

# [MS-BDCWPS]: Business Data Connectivity Web Service Protocol Specification

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## Revision Summary

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# Table of Contents

<b>1 Introduction</b>	<b>40</b>
1.1 Glossary	40
1.2 References	42
1.2.1 Normative References	42
1.2.2 Informative References	43
1.3 Protocol Overview (Synopsis)	43
1.4 Relationship to Other Protocols	44
1.5 Prerequisites/Preconditions	44
1.6 Applicability Statement	44
1.7 Versioning and Capability Negotiation	45
1.8 Vendor-Extensible Fields	45
1.9 Standards Assignments	45
<b>2 Messages</b>	<b>46</b>
2.1 Transport	46
2.2 Common Message Syntax	46
2.2.1 Namespaces	46
2.2.2 Messages	47
2.2.3 Elements	47
2.2.4 Complex Types	47
2.2.4.1 AccessControlEntryStruct	52
2.2.4.2 AccessDeniedException	53
2.2.4.3 AccessDeniedExceptionState	53
2.2.4.4 ActionParameterStruct	54
2.2.4.5 ActionStruct	54
2.2.4.6 AdministrationMetadataCatalogStruct	55
2.2.4.7 ArgumentException	55
2.2.4.8 ArgumentNullException	55
2.2.4.9 ArgumentOutOfRangeException	56
2.2.4.10 ArrayOfAccessControlEntryStruct	56
2.2.4.11 ArrayOfAssociationStruct	56
2.2.4.12 ArrayOfEntityStruct	57
2.2.4.13 ArrayOfLobSystemStruct	57
2.2.4.14 ArrayOfLocalizedNameStruct	57
2.2.4.15 ArrayOfMethodInstanceStruct	57
2.2.4.16 ArrayOfModelStruct	58
2.2.4.17 ArrayOfPropertyStruct	58
2.2.4.18 ArrayOfstring	58
2.2.4.19 ArrayOfTypeDescriptorStruct	59
2.2.4.20 ArrayOfunsignedInt	59
2.2.4.21 AssociationGroupStruct	59
2.2.4.22 AssociationReferenceStruct	60
2.2.4.23 AssociationStruct	61
2.2.4.24 BdcException	62
2.2.4.25 BdcExceptionState	63
2.2.4.26 ComplexValueStruct	63
2.2.4.27 ConcurrentModificationExceptionState	64
2.2.4.28 DataClassStruct	64
2.2.4.29 DefaultValueStruct	65
2.2.4.30 DuplicateMetadataObjectExceptionState	65

2.2.4.31	EntityStruct.....	66
2.2.4.32	ExceededMetadataObjectLimitExceptionState .....	66
2.2.4.33	Exception.....	67
2.2.4.34	FilterDescriptorStruct .....	67
2.2.4.35	IdentifierStruct .....	67
2.2.4.36	InvalidMetadataObjectExceptionState.....	69
2.2.4.37	InvalidMetadataPropertyExceptionState .....	69
2.2.4.38	InvalidOperationException .....	70
2.2.4.39	LobSystemInstanceStruct .....	70
2.2.4.40	LobSystemStruct .....	70
2.2.4.41	LocalizedNameStruct .....	71
2.2.4.42	MetadataException.....	71
2.2.4.43	MetadataObjectNotFoundExceptionState .....	72
2.2.4.44	MetadataObjectStruct.....	72
2.2.4.45	MethodInstanceStruct .....	73
2.2.4.46	MethodStruct .....	74
2.2.4.47	ModelStruct.....	74
2.2.4.48	PackageFormatExceptionState.....	74
2.2.4.49	ParameterStruct .....	75
2.2.4.50	PropertyStruct.....	76
2.2.4.51	ProxyGenerationResult .....	76
2.2.4.52	SafetyNetStruct .....	77
2.2.4.53	SystemException .....	78
2.2.4.54	TypeDescriptorStruct.....	78
2.2.4.55	Version.....	81
2.2.5	Simple Types .....	82
2.2.5.1	CacheUsage .....	83
2.2.5.2	char.....	83
2.2.5.3	DirectionType.....	84
2.2.5.4	duration .....	84
2.2.5.5	FilterType .....	84
2.2.5.6	guid .....	86
2.2.5.7	MethodInstanceType .....	86
2.2.5.8	PackageContents .....	88
2.2.5.9	SystemType.....	89
2.2.5.10	ThrottleScope.....	90
2.2.5.11	ThrottleType .....	91
2.2.5.12	TypeDescriptorFlags.....	91
2.2.6	Attributes.....	92
2.2.7	Groups.....	92
2.2.8	Attribute Groups .....	92
<b>3</b>	<b>Protocol Details.....</b>	<b>93</b>
3.1	Server Details .....	93
3.1.1	Abstract Data Model .....	93
3.1.2	Timers .....	100
3.1.3	Initialization .....	100
3.1.4	Message Processing Events and Sequencing Rules.....	100
3.1.4.1	Activate.....	117
3.1.4.1.1	Messages .....	119
3.1.4.1.1.1	BusinessDataCatalogSharedService_Activate_InputMessage .....	119
3.1.4.1.1.2	BusinessDataCatalogSharedService_Activate_OutputMessage .....	119
3.1.4.1.2	Elements.....	119

3.1.4.1.2.1	Activate.....	120
3.1.4.1.2.2	ActivateResponse .....	120
3.1.4.1.3	Complex Types .....	120
3.1.4.1.4	Simple Types.....	120
3.1.4.1.5	Attributes.....	120
3.1.4.1.6	Groups.....	120
3.1.4.1.7	Attribute Groups .....	121
3.1.4.2	AddAssociationReferenceToAssociationGroup .....	121
3.1.4.2.1	Messages .....	123
3.1.4.2.1.1	BusinessDataCatalogSharedService_AddAssociationReferenceToAsso- ciationGroup_InputMessage .....	123
3.1.4.2.1.2	BusinessDataCatalogSharedService_AddAssociationReferenceToAsso- ciationGroup_OutputMessage.....	123
3.1.4.2.2	Elements.....	123
3.1.4.2.2.1	AddAssociationReferenceToAssociationGroup .....	124
3.1.4.2.2.2	AddAssociationReferenceToAssociationGroupResponse .....	124
3.1.4.2.3	Complex Types .....	125
3.1.4.2.4	Simple Types.....	125
3.1.4.2.5	Attributes.....	125
3.1.4.2.6	Groups.....	125
3.1.4.2.7	Attribute Groups .....	125
3.1.4.3	AddEntityToModel .....	125
3.1.4.3.1	Messages .....	127
3.1.4.3.1.1	BusinessDataCatalogSharedService_AddEntityToModel_InputMessage	127
3.1.4.3.1.2	BusinessDataCatalogSharedService_AddEntityToModel_OutputMessa- ge .....	127
3.1.4.3.2	Elements.....	127
3.1.4.3.2.1	AddEntityToModel .....	127
3.1.4.3.2.2	AddEntityToModelResponse .....	128
3.1.4.3.3	Complex Types .....	128
3.1.4.3.4	Simple Types.....	128
3.1.4.3.5	Attributes.....	128
3.1.4.3.6	Groups.....	128
3.1.4.3.7	Attribute Groups .....	128
3.1.4.4	AddThrottlingRule .....	128
3.1.4.4.1	Messages.....	129
3.1.4.4.1.1	BusinessDataCatalogSharedService_AddThrottlingRule_InputMessage	129
3.1.4.4.1.2	BusinessDataCatalogSharedService_AddThrottlingRule_OutputMessa- ge .....	130
3.1.4.4.2	Elements.....	130
3.1.4.4.2.1	AddThrottlingRule .....	130
3.1.4.4.2.2	AddThrottlingRuleResponse.....	130
3.1.4.4.3	Complex Types .....	130
3.1.4.4.4	Simple Types.....	131
3.1.4.4.5	Attributes.....	131
3.1.4.4.6	Groups.....	131
3.1.4.4.7	Attribute Groups .....	131
3.1.4.5	BulkSwitchActiveOrValidate.....	131
3.1.4.5.1	Messages .....	132

3.1.4.5.1.1	BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage .....	133
3.1.4.5.1.2	BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage .....	133
3.1.4.5.2	Elements.....	133
3.1.4.5.2.1	BulkSwitchActiveOrValidate .....	133
3.1.4.5.2.2	BulkSwitchActiveOrValidateResponse .....	134
3.1.4.5.3	Complex Types .....	134
3.1.4.5.3.1	ArrayOfActivationErrorRecordStruct .....	135
3.1.4.5.3.2	ActivationErrorRecordStruct.....	135
3.1.4.5.4	Simple Types.....	141
3.1.4.5.5	Attributes.....	141
3.1.4.5.6	Groups.....	141
3.1.4.5.7	Attribute Groups .....	142
3.1.4.6	CheckPathInMethodInstances.....	142
3.1.4.6.1	Messages .....	143
3.1.4.6.1.1	BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage.....	143
3.1.4.6.1.2	BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage .....	143
3.1.4.6.2	Elements.....	143
3.1.4.6.2.1	CheckPathInMethodInstances.....	144
3.1.4.6.2.2	CheckPathInMethodInstancesResponse .....	144
3.1.4.6.3	Complex Types .....	145
3.1.4.6.4	Simple Types.....	145
3.1.4.6.5	Attributes.....	145
3.1.4.6.6	Groups.....	145
3.1.4.6.7	Attribute Groups .....	145
3.1.4.7	ClearLocalizedNames .....	145
3.1.4.7.1	Messages .....	146
3.1.4.7.1.1	BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage.....	147
3.1.4.7.1.2	BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage .....	147
3.1.4.7.2	Elements.....	147
3.1.4.7.2.1	ClearLocalizedNames .....	147
3.1.4.7.2.2	ClearLocalizedNamesResponse .....	148
3.1.4.7.3	Complex Types .....	148
3.1.4.7.4	Simple Types.....	148
3.1.4.7.5	Attributes.....	148
3.1.4.7.6	Groups.....	148
3.1.4.7.7	Attribute Groups .....	148
3.1.4.8	ClearProperties.....	148
3.1.4.8.1	Messages .....	149
3.1.4.8.1.1	BusinessDataCatalogSharedService_ClearProperties_InputMessage .....	150
3.1.4.8.1.2	BusinessDataCatalogSharedService_ClearProperties_OutputMessage .....	150
3.1.4.8.2	Elements.....	150

3.1.4.8.2.1	ClearProperties.....	150
3.1.4.8.2.2	ClearPropertiesResponse .....	151
3.1.4.8.3	Complex Types .....	151
3.1.4.8.4	Simple Types.....	151
3.1.4.8.5	Attributes.....	151
3.1.4.8.6	Groups.....	151
3.1.4.8.7	Attribute Groups .....	151
3.1.4.9	CopyAclAcrossChildren .....	151
3.1.4.9.1	Messages .....	153
3.1.4.9.1.1	BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage .....	153
3.1.4.9.1.2	BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage .....	153
3.1.4.9.2	Elements.....	153
3.1.4.9.2.1	CopyAclAcrossChildren .....	154
3.1.4.9.2.2	CopyAclAcrossChildrenResponse.....	154
3.1.4.9.3	Complex Types .....	154
3.1.4.9.4	Simple Types.....	154
3.1.4.9.5	Attributes.....	154
3.1.4.9.6	Groups.....	154
3.1.4.9.7	Attribute Groups .....	154
3.1.4.10	CopyAclAcrossChildrenForSetting .....	154
3.1.4.10.1	Messages .....	156
3.1.4.10.1.1	BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage .....	156
3.1.4.10.1.2	BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage .....	157
3.1.4.10.2	Elements.....	157
3.1.4.10.2.1	CopyAclAcrossChildrenForSetting .....	157
3.1.4.10.2.2	CopyAclAcrossChildrenForSettingResponse.....	157
3.1.4.10.3	Complex Types .....	158
3.1.4.10.4	Simple Types.....	158
3.1.4.10.5	Attributes .....	158
3.1.4.10.6	Groups.....	158
3.1.4.10.7	Attribute Groups.....	158
3.1.4.11	CopyAclToSetting.....	158
3.1.4.11.1	Messages .....	159
3.1.4.11.1.1	BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage .....	160
3.1.4.11.1.2	BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage .....	160
3.1.4.11.2	Elements.....	160
3.1.4.11.2.1	CopyAclToSetting.....	160
3.1.4.11.2.2	CopyAclToSettingResponse .....	161
3.1.4.11.3	Complex Types .....	161
3.1.4.11.4	Simple Types .....	161
3.1.4.11.5	Attributes.....	161

3.1.4.11.6	Groups.....	161
3.1.4.11.7	Attribute Groups.....	161
3.1.4.12	Deactivate .....	161
3.1.4.12.1	Messages .....	163
3.1.4.12.1.1	BusinessDataCatalogSharedService_Deactivate_InputMessage .....	163
3.1.4.12.1.2	BusinessDataCatalogSharedService_Deactivate_OutputMessage.....	163
3.1.4.12.2	Elements.....	164
3.1.4.12.2.1	Deactivate .....	164
3.1.4.12.2.2	DeactivateResponse .....	164
3.1.4.12.3	Complex Types .....	164
3.1.4.12.4	Simple Types .....	164
3.1.4.12.5	Attributes .....	164
3.1.4.12.6	Groups.....	165
3.1.4.12.7	Attribute Groups.....	165
3.1.4.13	Delete .....	165
3.1.4.13.1	Messages .....	168
3.1.4.13.1.1	BusinessDataCatalogSharedService_Delete_InputMessage.....	168
3.1.4.13.1.2	BusinessDataCatalogSharedService_Delete_OutputMessage.....	168
3.1.4.13.2	Elements.....	168
3.1.4.13.2.1	Delete .....	169
3.1.4.13.2.2	DeleteResponse .....	169
3.1.4.13.3	Complex Types .....	169
3.1.4.13.4	Simple Types .....	169
3.1.4.13.5	Attributes .....	169
3.1.4.13.6	Groups.....	169
3.1.4.13.7	Attribute Groups.....	169
3.1.4.14	DeleteAssociationReferenceFromAssociationGroup .....	170
3.1.4.14.1	Messages .....	172
3.1.4.14.1.1	BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMessage.....	172
3.1.4.14.1.2	BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputMessage.....	172
3.1.4.14.2	Elements.....	172
3.1.4.14.2.1	DeleteAssociationReferenceFromAssociationGroup .....	173
3.1.4.14.2.2	DeleteAssociationReferenceFromAssociationGroupResponse .....	173
3.1.4.14.3	Complex Types .....	173
3.1.4.14.4	Simple Types .....	173
3.1.4.14.5	Attributes .....	173
3.1.4.14.6	Groups.....	174
3.1.4.14.7	Attribute Groups.....	174
3.1.4.15	DeleteDefaultValueForTypeDescriptor .....	174
3.1.4.15.1	Messages .....	175
3.1.4.15.1.1	BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage .....	176
3.1.4.15.1.2	BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage .....	176
3.1.4.15.2	Elements.....	176
3.1.4.15.2.1	DeleteDefaultValueForTypeDescriptor.....	176
3.1.4.15.2.2	DeleteDefaultValueForTypeDescriptorResponse .....	177



3.1.4.15.3	Complex Types .....	177
3.1.4.15.4	Simple Types .....	177
3.1.4.15.5	Attributes .....	177
3.1.4.15.6	Groups .....	177
3.1.4.15.7	Attribute Groups .....	177
3.1.4.16	DeleteNoCascade .....	177
3.1.4.16.1	Messages .....	180
3.1.4.16.1.1	BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage	181
3.1.4.16.1.2	BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage	181
3.1.4.16.2	Elements .....	181
3.1.4.16.2.1	DeleteNoCascade .....	181
3.1.4.16.2.2	DeleteNoCascadeResponse .....	181
3.1.4.16.3	Complex Types .....	182
3.1.4.16.4	Simple Types .....	182
3.1.4.16.5	Attributes .....	182
3.1.4.16.6	Groups .....	182
3.1.4.16.7	Attribute Groups .....	182
3.1.4.17	DeleteProxyAssemblyForLobSystem .....	182
3.1.4.17.1	Messages .....	183
3.1.4.17.1.1	BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage	184
3.1.4.17.1.2	BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage	184
3.1.4.17.2	Elements .....	184
3.1.4.17.2.1	DeleteProxyAssemblyForLobSystem .....	184
3.1.4.17.2.2	DeleteProxyAssemblyForLobSystemResponse .....	185
3.1.4.17.3	Complex Types .....	185
3.1.4.17.4	Simple Types .....	185
3.1.4.17.5	Attributes .....	185
3.1.4.17.6	Groups .....	185
3.1.4.17.7	Attribute Groups .....	185
3.1.4.18	EntityCreate .....	185
3.1.4.18.1	Messages .....	187
3.1.4.18.1.1	BusinessDataCatalogSharedService_EntityCreate_InputMessage .....	188
3.1.4.18.1.2	BusinessDataCatalogSharedService_EntityCreate_OutputMessage .....	188
3.1.4.18.2	Elements .....	188
3.1.4.18.2.1	EntityCreate .....	188
3.1.4.18.2.2	EntityCreateResponse .....	189
3.1.4.18.3	Complex Types .....	189
3.1.4.18.4	Simple Types .....	189
3.1.4.18.5	Attributes .....	189
3.1.4.18.6	Groups .....	189
3.1.4.18.7	Attribute Groups .....	189
3.1.4.19	ExportPackage .....	189
3.1.4.19.1	Messages .....	191
3.1.4.19.1.1	BusinessDataCatalogSharedService_ExportPackage_InputMessage .....	192
3.1.4.19.1.2	BusinessDataCatalogSharedService_ExportPackage_OutputMessage .....	192
3.1.4.19.2	Elements .....	192

3.1.4.19.2.1	ExportPackage .....	192
3.1.4.19.2.2	ExportPackageResponse .....	193
3.1.4.19.3	Complex Types .....	193
3.1.4.19.4	Simple Types .....	193
3.1.4.19.5	Attributes .....	193
3.1.4.19.6	Groups.....	193
3.1.4.19.7	Attribute Groups.....	193
3.1.4.20	GenerateProxyAssemblyForLobSystem .....	193
3.1.4.20.1	Messages .....	195
3.1.4.20.1.1	BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage .....	195
3.1.4.20.1.2	BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage .....	196
3.1.4.20.2	Elements .....	196
3.1.4.20.2.1	GenerateProxyAssemblyForLobSystem .....	196
3.1.4.20.2.2	GenerateProxyAssemblyForLobSystemResponse .....	196
3.1.4.20.3	Complex Types .....	196
3.1.4.20.4	Simple Types .....	197
3.1.4.20.5	Attributes .....	197
3.1.4.20.6	Groups.....	197
3.1.4.20.7	Attribute Groups.....	197
3.1.4.21	GetAccessControlEntries .....	197
3.1.4.21.1	Messages .....	198
3.1.4.21.1.1	BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage .....	199
3.1.4.21.1.2	BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage .....	199
3.1.4.21.2	Elements.....	199
3.1.4.21.2.1	GetAccessControlEntries .....	199
3.1.4.21.2.2	GetAccessControlEntriesResponse.....	200
3.1.4.21.3	Complex Types .....	200
3.1.4.21.4	Simple Types .....	200
3.1.4.21.5	Attributes .....	200
3.1.4.21.6	Groups.....	200
3.1.4.21.7	Attribute Groups.....	200
3.1.4.22	GetActionById .....	200
3.1.4.22.1	Messages .....	201
3.1.4.22.1.1	BusinessDataCatalogSharedService_GetActionById_InputMessage... ..	202
3.1.4.22.1.2	BusinessDataCatalogSharedService_GetActionById_OutputMessage.. ..	202
3.1.4.22.2	Elements .....	202
3.1.4.22.2.1	GetActionById .....	202
3.1.4.22.2.2	GetActionByIdResponse.....	203
3.1.4.22.3	Complex Types .....	203
3.1.4.22.4	Simple Types .....	203
3.1.4.22.5	Attributes .....	203
3.1.4.22.6	Groups.....	203
3.1.4.22.7	Attribute Groups.....	203
3.1.4.23	GetActionParameterById.....	203
3.1.4.23.1	Messages .....	204

3.1.4.23.1.1	BusinessDataCatalogSharedService_GetActionParameterById_Input Message .....	205
3.1.4.23.1.2	BusinessDataCatalogSharedService_GetActionParameterById_Outpu tMessage .....	205
3.1.4.23.2	Elements .....	205
3.1.4.23.2.1	GetActionParameterById .....	205
3.1.4.23.2.2	GetActionParameterByIdResponse .....	206
3.1.4.23.3	Complex Types .....	206
3.1.4.23.4	Simple Types .....	206
3.1.4.23.5	Attributes .....	206
3.1.4.23.6	Groups .....	206
3.1.4.23.7	Attribute Groups .....	206
3.1.4.24	GetActionParametersForAction .....	206
3.1.4.24.1	Messages .....	208
3.1.4.24.1.1	BusinessDataCatalogSharedService_GetActionParametersForAction_I nputMessage .....	208
3.1.4.24.1.2	BusinessDataCatalogSharedService_GetActionParametersForAction_ OutputMessage .....	208
3.1.4.24.2	Elements .....	208
3.1.4.24.2.1	GetActionParametersForAction .....	209
3.1.4.24.2.2	GetActionParametersForActionResponse .....	209
3.1.4.24.3	Complex Types .....	209
3.1.4.24.3.1	ArrayOfActionParameterStruct .....	210
3.1.4.24.4	Simple Types .....	210
3.1.4.24.5	Attributes .....	210
3.1.4.24.6	Groups .....	210
3.1.4.24.7	Attribute Groups .....	210
3.1.4.25	GetActionsForEntity .....	210
3.1.4.25.1	Messages .....	211
3.1.4.25.1.1	BusinessDataCatalogSharedService_GetActionsForEntity_InputMessa ge .....	212
3.1.4.25.1.2	BusinessDataCatalogSharedService_GetActionsForEntity_OutputMes sage .....	212
3.1.4.25.2	Elements .....	212
3.1.4.25.2.1	GetActionsForEntity .....	212
3.1.4.25.2.2	GetActionsForEntityResponse .....	212
3.1.4.25.3	Complex Types .....	213
3.1.4.25.3.1	ArrayOfActionStruct .....	213
3.1.4.25.4	Simple Types .....	213
3.1.4.25.5	Attributes .....	213
3.1.4.25.6	Groups .....	213
3.1.4.25.7	Attribute Groups .....	213
3.1.4.26	GetAllLocalizedNames .....	214
3.1.4.26.1	Messages .....	215
3.1.4.26.1.1	BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMes sage .....	215

3.1.4.26.1.2	BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage	215
3.1.4.26.2	Elements	215
3.1.4.26.2.1	GetAllLocalizedNames	216
3.1.4.26.2.2	GetAllLocalizedNamesResponse	216
3.1.4.26.3	Complex Types	216
3.1.4.26.4	Simple Types	216
3.1.4.26.5	Attributes	217
3.1.4.26.6	Groups	217
3.1.4.26.7	Attribute Groups	217
3.1.4.27	GetAllLocalizedNamesForMetadataObjectStruct	217
3.1.4.27.1	Messages	218
3.1.4.27.1.1	BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InputMessage	218
3.1.4.27.1.2	BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_OutputMessage	219
3.1.4.27.2	Elements	219
3.1.4.27.2.1	GetAllLocalizedNamesForMetadataObjectStruct	219
3.1.4.27.2.2	GetAllLocalizedNamesForMetadataObjectStructResponse	220
3.1.4.27.3	Complex Types	220
3.1.4.27.4	Simple Types	220
3.1.4.27.5	Attributes	220
3.1.4.27.6	Groups	220
3.1.4.27.7	Attribute Groups	220
3.1.4.28	GetAllPartitionIds	220
3.1.4.28.1	Messages	221
3.1.4.28.1.1	BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage	221
3.1.4.28.1.2	BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage	222
3.1.4.28.2	Elements	222
3.1.4.28.2.1	GetAllPartitionIds	222
3.1.4.28.2.2	GetAllPartitionIdsResponse	222
3.1.4.28.3	Complex Types	222
3.1.4.28.3.1	ArrayOfguid	223
3.1.4.28.4	Simple Types	223
3.1.4.28.5	Attributes	223
3.1.4.28.6	Groups	223
3.1.4.28.7	Attribute Groups	223
3.1.4.29	GetAllProperties	223
3.1.4.29.1	Messages	225
3.1.4.29.1.1	BusinessDataCatalogSharedService_GetAllProperties_InputMessage	225
3.1.4.29.1.2	BusinessDataCatalogSharedService_GetAllProperties_OutputMessage	225
3.1.4.29.2	Elements	225
3.1.4.29.2.1	GetAllProperties	225
3.1.4.29.2.2	GetAllPropertiesResponse	226
3.1.4.29.3	Complex Types	226

3.1.4.29.4	Simple Types .....	226
3.1.4.29.5	Attributes .....	226
3.1.4.29.6	Groups.....	226
3.1.4.29.7	Attribute Groups.....	226
3.1.4.30	GetAllPropertiesForMetadataObjectStruct .....	227
3.1.4.30.1	Messages .....	228
3.1.4.30.1.1	BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage .....	228
3.1.4.30.1.2	BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage .....	229
3.1.4.30.2	Elements .....	229
3.1.4.30.2.1	GetAllPropertiesForMetadataObjectStruct .....	229
3.1.4.30.2.2	GetAllPropertiesForMetadataObjectStructResponse .....	230
3.1.4.30.3	Complex Types .....	230
3.1.4.30.4	Simple Types .....	230
3.1.4.30.5	Attributes .....	230
3.1.4.30.6	Groups.....	230
3.1.4.30.7	Attribute Groups.....	230
3.1.4.31	GetAssociationById .....	230
3.1.4.31.1	Messages .....	231
3.1.4.31.1.1	BusinessDataCatalogSharedService_GetAssociationById_InputMessage .....	232
3.1.4.31.1.2	BusinessDataCatalogSharedService_GetAssociationById_OutputMessage .....	232
3.1.4.31.2	Elements .....	232
3.1.4.31.2.1	GetAssociationById .....	232
3.1.4.31.2.2	GetAssociationByIdResponse .....	233
3.1.4.31.3	Complex Types .....	233
3.1.4.31.4	Simple Types .....	233
3.1.4.31.5	Attributes .....	233
3.1.4.31.6	Groups.....	233
3.1.4.31.7	Attribute Groups.....	233
3.1.4.32	GetAssociationGroupById.....	233
3.1.4.32.1	Messages .....	235
3.1.4.32.1.1	BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage .....	235
3.1.4.32.1.2	BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage .....	235
3.1.4.32.2	Elements .....	235
3.1.4.32.2.1	GetAssociationGroupById.....	236
3.1.4.32.2.2	GetAssociationGroupByIdResponse .....	236
3.1.4.32.3	Complex Types .....	236
3.1.4.32.4	Simple Types .....	236
3.1.4.32.5	Attributes .....	236
3.1.4.32.6	Groups.....	237
3.1.4.32.7	Attribute Groups.....	237
3.1.4.33	GetAssociationGroupsForEntity .....	237

3.1.4.33.1	Messages .....	238
3.1.4.33.1.1	BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_	
	InputMessage .....	238
3.1.4.33.1.2	BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_	
	OutputMessage .....	239
3.1.4.33.2	Elements .....	239
3.1.4.33.2.1	GetAssociationGroupsForEntity .....	239
3.1.4.33.2.2	GetAssociationGroupsForEntityResponse .....	239
3.1.4.33.3	Complex Types .....	240
3.1.4.33.3.1	ArrayOfAssociationGroupStruct .....	240
3.1.4.33.4	Simple Types .....	240
3.1.4.33.5	Attributes .....	240
3.1.4.33.6	Groups .....	240
3.1.4.33.7	Attribute Groups .....	240
3.1.4.34	GetAssociationMembersInRole .....	240
3.1.4.34.1	Messages .....	242
3.1.4.34.1.1	BusinessDataCatalogSharedService_GetAssociationMembersInRole_I	
	nputMessage .....	242
3.1.4.34.1.2	BusinessDataCatalogSharedService_GetAssociationMembersInRole_	
	OutputMessage .....	242
3.1.4.34.2	Elements .....	242
3.1.4.34.2.1	GetAssociationMembersInRole .....	243
3.1.4.34.2.2	GetAssociationMembersInRoleResponse .....	243
3.1.4.34.3	Complex Types .....	243
3.1.4.34.3.1	ArrayOfAssociationMemberStruct .....	244
3.1.4.34.3.2	AssociationMemberStruct .....	244
3.1.4.34.4	Simple Types .....	245
3.1.4.34.5	Attributes .....	245
3.1.4.34.6	Groups .....	245
3.1.4.34.7	Attribute Groups .....	245
3.1.4.35	GetAssociationReferencesForAssociationGroup .....	245
3.1.4.35.1	Messages .....	246
3.1.4.35.1.1	BusinessDataCatalogSharedService_GetAssociationReferencesForAss	
	ociationGroup_InputMessage .....	247
3.1.4.35.1.2	BusinessDataCatalogSharedService_GetAssociationReferencesForAss	
	ociationGroup_OutputMessage .....	247
3.1.4.35.2	Elements .....	247
3.1.4.35.2.1	GetAssociationReferencesForAssociationGroup .....	247
3.1.4.35.2.2	GetAssociationReferencesForAssociationGroupResponse .....	248
3.1.4.35.3	Complex Types .....	248
3.1.4.35.3.1	ArrayOfAssociationReferenceStruct .....	248
3.1.4.35.4	Simple Types .....	249
3.1.4.35.5	Attributes .....	249
3.1.4.35.6	Groups .....	249
3.1.4.35.7	Attribute Groups .....	249
3.1.4.36	GetAssociationsForDataClass .....	249
3.1.4.36.1	Messages .....	250

3.1.4.36.1.1	BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage .....	250
3.1.4.36.1.2	BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage .....	251
3.1.4.36.2	Elements .....	251
3.1.4.36.2.1	GetAssociationsForDataClass .....	251
3.1.4.36.2.2	GetAssociationsForDataClassResponse .....	251
3.1.4.36.3	Complex Types .....	252
3.1.4.36.4	Simple Types .....	252
3.1.4.36.5	Attributes .....	252
3.1.4.36.6	Groups .....	252
3.1.4.36.7	Attribute Groups .....	252
3.1.4.37	GetAssociationsForEntityAndRole .....	252
3.1.4.37.1	Messages .....	253
3.1.4.37.1.1	BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage .....	254
3.1.4.37.1.2	BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage .....	254
3.1.4.37.2	Elements .....	254
3.1.4.37.2.1	GetAssociationsForEntityAndRole .....	254
3.1.4.37.2.2	GetAssociationsForEntityAndRoleResponse .....	255
3.1.4.37.3	Complex Types .....	255
3.1.4.37.4	Simple Types .....	255
3.1.4.37.5	Attributes .....	255
3.1.4.37.6	Groups .....	256
3.1.4.37.7	Attribute Groups .....	256
3.1.4.38	GetAssociationsForMethod .....	256
3.1.4.38.1	Messages .....	257
3.1.4.38.1.1	BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage .....	257
3.1.4.38.1.2	BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage .....	257
3.1.4.38.2	Elements .....	258
3.1.4.38.2.1	GetAssociationsForMethod .....	258
3.1.4.38.2.2	GetAssociationsForMethodResponse .....	258
3.1.4.38.3	Complex Types .....	258
3.1.4.38.4	Simple Types .....	259
3.1.4.38.5	Attributes .....	259
3.1.4.38.6	Groups .....	259
3.1.4.38.7	Attribute Groups .....	259
3.1.4.39	GetCacheInvalidationRecordsSince .....	259
3.1.4.39.1	Messages .....	260
3.1.4.39.1.1	BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage .....	260

3.1.4.39.1.2	BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage .....	261
3.1.4.39.2	Elements .....	261
3.1.4.39.2.1	GetCacheInvalidationRecordsSince.....	261
3.1.4.39.2.2	GetCacheInvalidationRecordsSinceResponse .....	261
3.1.4.39.3	Complex Types .....	262
3.1.4.39.3.1	ArrayOfCacheInvalidationRecordStruct .....	262
3.1.4.39.3.2	CacheInvalidationRecordStruct .....	262
3.1.4.39.4	Simple Types .....	264
3.1.4.39.5	Attributes .....	264
3.1.4.39.6	Groups.....	264
3.1.4.39.7	Attribute Groups.....	264
3.1.4.40	GetChildTypeDescriptorsForTypeDescriptor .....	264
3.1.4.40.1	Messages .....	265
3.1.4.40.1.1	BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage .....	266
3.1.4.40.1.2	BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage .....	266
3.1.4.40.2	Elements .....	266
3.1.4.40.2.1	GetChildTypeDescriptorsForTypeDescriptor .....	266
3.1.4.40.2.2	GetChildTypeDescriptorsForTypeDescriptorResponse .....	267
3.1.4.40.3	Complex Types .....	267
3.1.4.40.4	Simple Types .....	267
3.1.4.40.5	Attributes .....	267
3.1.4.40.6	Groups.....	267
3.1.4.40.7	Attribute Groups.....	267
3.1.4.41	GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor.....	267
3.1.4.41.1	Messages .....	269
3.1.4.41.1.1	BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InputMessage .....	269
3.1.4.41.1.2	BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_OutputMessage .....	270
3.1.4.41.2	Elements .....	270
3.1.4.41.2.1	GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor.....	270
3.1.4.41.2.2	GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse .....	270
3.1.4.41.3	Complex Types .....	271
3.1.4.41.4	Simple Types .....	271
3.1.4.41.5	Attributes .....	271
3.1.4.41.6	Groups.....	271
3.1.4.41.7	Attribute Groups.....	271
3.1.4.42	GetDataClassById .....	271
3.1.4.42.1	Messages .....	272
3.1.4.42.1.1	BusinessDataCatalogSharedService_GetDataClassById_InputMessage .....	273
3.1.4.42.1.2	BusinessDataCatalogSharedService_GetDataClassById_OutputMessage .....	273



3.1.4.42.2	Elements .....	273
3.1.4.42.2.1	GetDataClassById .....	273
3.1.4.42.2.2	GetDataClassByIdResponse .....	274
3.1.4.42.3	Complex Types .....	274
3.1.4.42.4	Simple Types .....	274
3.1.4.42.5	Attributes .....	274
3.1.4.42.6	Groups .....	274
3.1.4.42.7	Attribute Groups .....	274
3.1.4.43	GetDataClassesForSystem .....	274
3.1.4.43.1	Messages .....	275
3.1.4.43.1.1	BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage .....	276
3.1.4.43.1.2	BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage .....	276
3.1.4.43.2	Elements .....	276
3.1.4.43.2.1	GetDataClassesForSystem .....	276
3.1.4.43.2.2	GetDataClassesForSystemResponse .....	277
3.1.4.43.3	Complex Types .....	277
3.1.4.43.3.1	ArrayOfDataClassStruct .....	277
3.1.4.43.4	Simple Types .....	278
3.1.4.43.5	Attributes .....	278
3.1.4.43.6	Groups .....	278
3.1.4.43.7	Attribute Groups .....	278
3.1.4.44	GetDefaultValuesForTypeDescriptor .....	278
3.1.4.44.1	Messages .....	279
3.1.4.44.1.1	BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage .....	279
3.1.4.44.1.2	BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage .....	280
3.1.4.44.2	Elements .....	280
3.1.4.44.2.1	GetDefaultValuesForTypeDescriptor .....	280
3.1.4.44.2.2	GetDefaultValuesForTypeDescriptorResponse .....	280
3.1.4.44.3	Complex Types .....	281
3.1.4.44.3.1	ArrayOfDefaultValueStruct .....	281
3.1.4.44.4	Simple Types .....	281
3.1.4.44.5	Attributes .....	281
3.1.4.44.6	Groups .....	281
3.1.4.44.7	Attribute Groups .....	281
3.1.4.45	GetEntitiesForAssociationAndRole .....	281
3.1.4.45.1	Messages .....	283
3.1.4.45.1.1	BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage .....	283
3.1.4.45.1.2	BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage .....	283
3.1.4.45.2	Elements .....	283
3.1.4.45.2.1	GetEntitiesForAssociationAndRole .....	284
3.1.4.45.2.2	GetEntitiesForAssociationAndRoleResponse .....	284

3.1.4.45.3	Complex Types .....	285
3.1.4.45.4	Simple Types .....	285
3.1.4.45.5	Attributes .....	285
3.1.4.45.6	Groups.....	285
3.1.4.45.7	Attribute Groups.....	285
3.1.4.46	GetEntitiesForSystem .....	285
3.1.4.46.1	Messages .....	286
3.1.4.46.1.1	BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage .....	286
3.1.4.46.1.2	BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage .....	287
3.1.4.46.2	Elements .....	287
3.1.4.46.2.1	GetEntitiesForSystem .....	287
3.1.4.46.2.2	GetEntitiesForSystemResponse.....	287
3.1.4.46.3	Complex Types .....	288
3.1.4.46.4	Simple Types .....	288
3.1.4.46.5	Attributes .....	288
3.1.4.46.6	Groups.....	288
3.1.4.46.7	Attribute Groups.....	288
3.1.4.47	GetEntitiesLikeNameAndNamespace .....	288
3.1.4.47.1	Messages .....	289
3.1.4.47.1.1	BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage .....	290
3.1.4.47.1.2	BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage .....	290
3.1.4.47.2	Elements.....	290
3.1.4.47.2.1	GetEntitiesLikeNameAndNamespace.....	290
3.1.4.47.2.2	GetEntitiesLikeNameAndNamespaceResponse .....	292
3.1.4.47.3	Complex Types .....	292
3.1.4.47.4	Simple Types .....	292
3.1.4.47.5	Attributes .....	292
3.1.4.47.6	Groups.....	292
3.1.4.47.7	Attribute Groups.....	292
3.1.4.48	GetEntitiesReferencedByModelId .....	292
3.1.4.48.1	Messages .....	294
3.1.4.48.1.1	BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage .....	294
3.1.4.48.1.2	BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage.....	294
3.1.4.48.2	Elements .....	294
3.1.4.48.2.1	GetEntitiesReferencedByModelId.....	294
3.1.4.48.2.2	GetEntitiesReferencedByModelIdResponse .....	295
3.1.4.48.3	Complex Types .....	295
3.1.4.48.4	Simple Types .....	295
3.1.4.48.4.1	EntityConstants.EntitiesInModelQuery .....	296
3.1.4.48.5	Attributes .....	296
3.1.4.48.6	Groups.....	296

3.1.4.48.7	Attribute Groups.....	296
3.1.4.49	GetEntityById.....	296
3.1.4.49.1	Messages .....	298
3.1.4.49.1.1	BusinessDataCatalogSharedService_GetEntityById_InputMessage ....	298
3.1.4.49.1.2	BusinessDataCatalogSharedService_GetEntityById_OutputMessage ..	298
3.1.4.49.2	Elements .....	298
3.1.4.49.2.1	GetEntityById.....	298
3.1.4.49.2.2	GetEntityByIdResponse .....	299
3.1.4.49.3	Complex Types .....	299
3.1.4.49.4	Simple Types .....	299
3.1.4.49.5	Attributes .....	299
3.1.4.49.6	Groups.....	299
3.1.4.49.7	Attribute Groups.....	299
3.1.4.50	GetEntityCount .....	299
3.1.4.50.1	Messages .....	301
3.1.4.50.1.1	BusinessDataCatalogSharedService_GetEntityCount_InputMessage ..	301
3.1.4.50.1.2	BusinessDataCatalogSharedService_GetEntityCount_OutputMessage	301
3.1.4.50.2	Elements .....	301
3.1.4.50.2.1	GetEntityCount.....	301
3.1.4.50.2.2	GetEntityCountResponse .....	302
3.1.4.50.3	Complex Types .....	302
3.1.4.50.4	Simple Types .....	302
3.1.4.50.5	Attributes .....	302
3.1.4.50.6	Groups.....	302
3.1.4.50.7	Attribute Groups.....	302
3.1.4.51	GetEntityNameAndNamespacesForAssociationAndRole.....	302
3.1.4.51.1	Messages .....	304
3.1.4.51.1.1	BusinessDataCatalogSharedService_GetEntityNameAndNamespacesF orAssociationAndRole_InputMessage.....	304
3.1.4.51.1.2	BusinessDataCatalogSharedService_GetEntityNameAndNamespacesF orAssociationAndRole_OutputMessage.....	304
3.1.4.51.2	Elements .....	304
3.1.4.51.2.1	GetEntityNameAndNamespacesForAssociationAndRole .....	305
3.1.4.51.2.2	GetEntityNameAndNamespacesForAssociationAndRoleResponse .....	305
3.1.4.51.3	Complex Types .....	306
3.1.4.51.4	Simple Types .....	306
3.1.4.51.5	Attributes .....	306
3.1.4.51.6	Groups.....	306
3.1.4.51.7	Attribute Groups.....	306
3.1.4.52	GetEntityWithNameAndNamespace .....	306
3.1.4.52.1	Messages .....	307
3.1.4.52.1.1	BusinessDataCatalogSharedService_GetEntityWithNameAndNamesp ace_InputMessage .....	308
3.1.4.52.1.2	BusinessDataCatalogSharedService_GetEntityWithNameAndNamesp ace_OutputMessage.....	308
3.1.4.52.2	Elements .....	308
3.1.4.52.2.1	GetEntityWithNameAndNamespace .....	308
3.1.4.52.2.2	GetEntityWithNameAndNamespaceResponse .....	309
3.1.4.52.3	Complex Types .....	309

3.1.4.52.4	Simple Types .....	309
3.1.4.52.5	Attributes .....	309
3.1.4.52.6	Groups .....	309
3.1.4.52.7	Attribute Groups .....	309
3.1.4.53	GetEntityWithNameAndNamespaceAndVersion .....	309
3.1.4.53.1	Messages .....	311
3.1.4.53.1.1	BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMessage .....	311
3.1.4.53.1.2	BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMessage .....	311
3.1.4.53.2	Elements .....	311
3.1.4.53.2.1	GetEntityWithNameAndNamespaceAndVersion .....	312
3.1.4.53.2.2	GetEntityWithNameAndNamespaceAndVersionResponse .....	312
3.1.4.53.3	Complex Types .....	313
3.1.4.53.4	Simple Types .....	313
3.1.4.53.5	Attributes .....	313
3.1.4.53.6	Groups .....	313
3.1.4.53.7	Attribute Groups .....	313
3.1.4.54	GetFieldTypeDescriptorsByMethodInstance .....	313
3.1.4.54.1	Messages .....	315
3.1.4.54.1.1	BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMessage .....	315
3.1.4.54.1.2	BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMessage .....	315
3.1.4.54.2	Elements .....	315
3.1.4.54.2.1	GetFieldTypeDescriptorsByMethodInstance .....	316
3.1.4.54.2.2	GetFieldTypeDescriptorsByMethodInstanceResponse .....	316
3.1.4.54.3	Complex Types .....	316
3.1.4.54.4	Simple Types .....	316
3.1.4.54.5	Attributes .....	316
3.1.4.54.6	Groups .....	316
3.1.4.54.7	Attribute Groups .....	317
3.1.4.55	GetFilterDescriptorById .....	317
3.1.4.55.1	Messages .....	318
3.1.4.55.1.1	BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage .....	318
3.1.4.55.1.2	BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage .....	318
3.1.4.55.2	Elements .....	319
3.1.4.55.2.1	GetFilterDescriptorById .....	319
3.1.4.55.2.2	GetFilterDescriptorByIdResponse .....	319
3.1.4.55.3	Complex Types .....	319
3.1.4.55.4	Simple Types .....	320
3.1.4.55.5	Attributes .....	320
3.1.4.55.6	Groups .....	320
3.1.4.55.7	Attribute Groups .....	320
3.1.4.56	GetFilterDescriptorsForMethod .....	320

3.1.4.56.1	Messages .....	321
3.1.4.56.1.1	BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage.....	321
3.1.4.56.1.2	BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage .....	322
3.1.4.56.2	Elements .....	322
3.1.4.56.2.1	GetFilterDescriptorsForMethod.....	322
3.1.4.56.2.2	GetFilterDescriptorsForMethodResponse .....	322
3.1.4.56.3	Complex Types .....	323
3.1.4.56.3.1	ArrayOfFilterDescriptorStruct .....	323
3.1.4.56.4	Simple Types .....	323
3.1.4.56.5	Attributes .....	323
3.1.4.56.6	Groups.....	323
3.1.4.56.7	Attribute Groups.....	323
3.1.4.57	GetIdentifierById .....	323
3.1.4.57.1	Messages .....	325
3.1.4.57.1.1	BusinessDataCatalogSharedService_GetIdentifierById_InputMessage	325
3.1.4.57.1.2	BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage .....	325
3.1.4.57.2	Elements.....	325
3.1.4.57.2.1	GetIdentifierById .....	326
3.1.4.57.2.2	GetIdentifierByIdResponse.....	326
3.1.4.57.3	Complex Types .....	326
3.1.4.57.4	Simple Types .....	326
3.1.4.57.5	Attributes .....	326
3.1.4.57.6	Groups.....	326
3.1.4.57.7	Attribute Groups.....	327
3.1.4.58	GetIdentifiersForEntity .....	327
3.1.4.58.1	Messages .....	328
3.1.4.58.1.1	BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage .....	328
3.1.4.58.1.2	BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage .....	328
3.1.4.58.2	Elements.....	328
3.1.4.58.2.1	GetIdentifiersForEntity .....	329
3.1.4.58.2.2	GetIdentifiersForEntityResponse .....	329
3.1.4.58.3	Complex Types .....	329
3.1.4.58.3.1	ArrayOfIdentifierStruct .....	329
3.1.4.58.4	Simple Types .....	330
3.1.4.58.5	Attributes .....	330
3.1.4.58.6	Groups.....	330
3.1.4.58.7	Attribute Groups.....	330
3.1.4.59	GetImportProgress.....	330
3.1.4.59.1	Messages .....	330
3.1.4.59.1.1	BusinessDataCatalogSharedService_GetImportProgress_InputMessage .....	331

3.1.4.59.1.2	BusinessDataCatalogSharedService_GetImportProgress_OutputMessage	331
3.1.4.59.2	Elements	331
3.1.4.59.2.1	GetImportProgress	331
3.1.4.59.2.2	GetImportProgressResponse	332
3.1.4.59.3	Complex Types	332
3.1.4.59.4	Simple Types	332
3.1.4.59.5	Attributes	332
3.1.4.59.6	Groups	332
3.1.4.59.7	Attribute Groups	332
3.1.4.60	GetLevelForTypeDescriptor	332
3.1.4.60.1	Messages	334
3.1.4.60.1.1	BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage	334
3.1.4.60.1.2	BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage	334
3.1.4.60.2	Elements	334
3.1.4.60.2.1	GetLevelForTypeDescriptor	335
3.1.4.60.2.2	GetLevelForTypeDescriptorResponse	335
3.1.4.60.3	Complex Types	335
3.1.4.60.4	Simple Types	335
3.1.4.60.5	Attributes	335
3.1.4.60.6	Groups	336
3.1.4.60.7	Attribute Groups	336
3.1.4.61	GetLobSystemAllAssembliesBytes	336
3.1.4.61.1	Messages	337
3.1.4.61.1.1	BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage	337
3.1.4.61.1.2	BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage	338
3.1.4.61.2	Elements	338
3.1.4.61.2.1	GetLobSystemAllAssembliesBytes	338
3.1.4.61.2.2	GetLobSystemAllAssembliesBytesResponse	338
3.1.4.61.3	Complex Types	339
3.1.4.61.3.1	ArrayOfbase64Binary	339
3.1.4.61.4	Simple Types	339
3.1.4.61.5	Attributes	339
3.1.4.61.6	Groups	339
3.1.4.61.7	Attribute Groups	339
3.1.4.62	GetLobSystemById	339
3.1.4.62.1	Messages	341
3.1.4.62.1.1	BusinessDataCatalogSharedService_GetLobSystemById_InputMessage	341
3.1.4.62.1.2	BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage	342
3.1.4.62.2	Elements	342

3.1.4.62.2.1	GetLobSystemById .....	342
3.1.4.62.2.2	GetLobSystemByIdResponse .....	342
3.1.4.62.3	Complex Types .....	343
3.1.4.62.4	Simple Types .....	343
3.1.4.62.5	Attributes .....	343
3.1.4.62.6	Groups.....	343
3.1.4.62.7	Attribute Groups.....	343
3.1.4.63	GetLobSystemByName .....	343
3.1.4.63.1	Messages .....	344
3.1.4.63.1.1	BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage .....	345
3.1.4.63.1.2	BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage .....	345
3.1.4.63.2	Elements .....	345
3.1.4.63.2.1	GetLobSystemByName .....	345
3.1.4.63.2.2	GetLobSystemByNameResponse .....	346
3.1.4.63.3	Complex Types .....	346
3.1.4.63.4	Simple Types .....	346
3.1.4.63.5	Attributes .....	346
3.1.4.63.6	Groups.....	346
3.1.4.63.7	Attribute Groups.....	346
3.1.4.64	GetLobSystemDataByLobSystem .....	346
3.1.4.64.1	Messages .....	348
3.1.4.64.1.1	BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage .....	348
3.1.4.64.1.2	BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage .....	348
3.1.4.64.2	Elements .....	348
3.1.4.64.2.1	GetLobSystemDataByLobSystem .....	349
3.1.4.64.2.2	GetLobSystemDataByLobSystemResponse .....	349
3.1.4.64.3	Complex Types .....	349
3.1.4.64.4	Simple Types .....	349
3.1.4.64.5	Attributes .....	349
3.1.4.64.6	Groups.....	349
3.1.4.64.7	Attribute Groups.....	350
3.1.4.65	GetLobSystemInstanceById .....	350
3.1.4.65.1	Messages .....	351
3.1.4.65.1.1	BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage .....	352
3.1.4.65.1.2	BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage .....	352
3.1.4.65.2	Elements .....	352
3.1.4.65.2.1	GetLobSystemInstanceById .....	352
3.1.4.65.2.2	GetLobSystemInstanceByIdResponse .....	353
3.1.4.65.3	Complex Types .....	353
3.1.4.65.4	Simple Types .....	353
3.1.4.65.5	Attributes .....	353

3.1.4.65.6	Groups.....	353
3.1.4.65.7	Attribute Groups.....	353
3.1.4.66	GetLobSystemInstancesForLobSystem.....	353
3.1.4.66.1	Messages .....	355
3.1.4.66.1.1	BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage .....	355
3.1.4.66.1.2	BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage .....	355
3.1.4.66.2	Elements .....	355
3.1.4.66.2.1	GetLobSystemInstancesForLobSystem .....	356
3.1.4.66.2.2	GetLobSystemInstancesForLobSystemResponse .....	356
3.1.4.66.3	Complex Types .....	356
3.1.4.66.3.1	ArrayOfLobSystemInstanceStruct .....	357
3.1.4.66.4	Simple Types .....	357
3.1.4.66.5	Attributes .....	357
3.1.4.66.6	Groups.....	357
3.1.4.66.7	Attribute Groups.....	357
3.1.4.67	GetLobSystemProxyAssemblyBytesByLobSystemId .....	357
3.1.4.67.1	Messages .....	359
3.1.4.67.1.1	BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InputMessage.....	359
3.1.4.67.1.2	BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_OutputMessage .....	359
3.1.4.67.2	Elements .....	359
3.1.4.67.2.1	GetLobSystemProxyAssemblyBytesByLobSystemId .....	360
3.1.4.67.2.2	GetLobSystemProxyAssemblyBytesByLobSystemIdResponse .....	360
3.1.4.67.3	Complex Types .....	360
3.1.4.67.4	Simple Types .....	360
3.1.4.67.5	Attributes .....	361
3.1.4.67.6	Groups.....	361
3.1.4.67.7	Attribute Groups.....	361
3.1.4.68	GetLobSystemsLikeName.....	361
3.1.4.68.1	Messages .....	362
3.1.4.68.1.1	BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage.....	362
3.1.4.68.1.2	BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage .....	363
3.1.4.68.2	Elements .....	363
3.1.4.68.2.1	GetLobSystemsLikeName.....	363
3.1.4.68.2.2	GetLobSystemsLikeNameResponse .....	364
3.1.4.68.3	Complex Types .....	364
3.1.4.68.4	Simple Types .....	364
3.1.4.68.5	Attributes .....	364
3.1.4.68.6	Groups.....	364
3.1.4.68.7	Attribute Groups.....	364
3.1.4.69	GetLobSystemsReferencedByEntitiesAssociatedWithModel.....	364
3.1.4.69.1	Messages .....	366



3.1.4.69.1.1	BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_InputMessage.....	366
3.1.4.69.1.2	BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_OutputMessage .....	367
3.1.4.69.2	Elements .....	367
3.1.4.69.2.1	GetLobSystemsReferencedByEntitiesAssociatedWithModel .....	367
3.1.4.69.2.2	GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse ..	367
3.1.4.69.3	Complex Types .....	368
3.1.4.69.4	Simple Types .....	368
3.1.4.69.4.1	LobSystemConstants.LobSystemsInModelQuery .....	368
3.1.4.69.5	Attributes .....	369
3.1.4.69.6	Groups.....	369
3.1.4.69.7	Attribute Groups.....	369
3.1.4.70	GetMethodById.....	369
3.1.4.70.1	Messages .....	370
3.1.4.70.1.1	BusinessDataCatalogSharedService_GetMethodById_InputMessage ..	370
3.1.4.70.1.2	BusinessDataCatalogSharedService_GetMethodById_OutputMessage ..	371
3.1.4.70.2	Elements .....	371
3.1.4.70.2.1	GetMethodById .....	371
3.1.4.70.2.2	GetMethodByIdResponse .....	371
3.1.4.70.3	Complex Types .....	372
3.1.4.70.4	Simple Types .....	372
3.1.4.70.5	Attributes .....	372
3.1.4.70.6	Groups.....	372
3.1.4.70.7	Attribute Groups.....	372
3.1.4.71	GetMethodInstanceById.....	372
3.1.4.71.1	Messages .....	373
3.1.4.71.1.1	BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage .....	374
3.1.4.71.1.2	BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage .....	374
3.1.4.71.2	Elements .....	374
3.1.4.71.2.1	GetMethodInstanceById .....	374
3.1.4.71.2.2	GetMethodInstanceByIdResponse .....	375
3.1.4.71.3	Complex Types .....	375
3.1.4.71.4	Simple Types .....	375
3.1.4.71.5	Attributes .....	375
3.1.4.71.6	Groups.....	375
3.1.4.71.7	Attribute Groups.....	375
3.1.4.72	GetMethodInstancesForDataClass .....	375
3.1.4.72.1	Messages .....	376
3.1.4.72.1.1	BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage .....	377
3.1.4.72.1.2	BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage .....	377
3.1.4.72.2	Elements .....	377

3.1.4.72.2.1	GetMethodInstancesForDataClass .....	377
3.1.4.72.2.2	GetMethodInstancesForDataClassResponse .....	378
3.1.4.72.3	Complex Types .....	378
3.1.4.72.4	Simple Types .....	378
3.1.4.72.5	Attributes .....	378
3.1.4.72.6	Groups.....	378
3.1.4.72.7	Attribute Groups.....	378
3.1.4.73	GetMethodInstancesForMethod .....	378
3.1.4.73.1	Messages .....	380
3.1.4.73.1.1	BusinessDataCatalogSharedService_GetMethodInstancesForMethod_	
InputMessage .....		380
3.1.4.73.1.2	BusinessDataCatalogSharedService_GetMethodInstancesForMethod_	
OutputMessage .....		380
3.1.4.73.2	Elements .....	380
3.1.4.73.2.1	GetMethodInstancesForMethod.....	381
3.1.4.73.2.2	GetMethodInstancesForMethodResponse .....	381
3.1.4.73.3	Complex Types .....	381
3.1.4.73.4	Simple Types .....	381
3.1.4.73.5	Attributes .....	381
3.1.4.73.6	Groups.....	382
3.1.4.73.7	Attribute Groups.....	382
3.1.4.74	GetMethodsForDataClass .....	382
3.1.4.74.1	Messages .....	383
3.1.4.74.1.1	BusinessDataCatalogSharedService_GetMethodsForDataClass_Input	
Message.....		383
3.1.4.74.1.2	BusinessDataCatalogSharedService_GetMethodsForDataClass_Outpu	
tMessage.....		383
3.1.4.74.2	Elements.....	384
3.1.4.74.2.1	GetMethodsForDataClass .....	384
3.1.4.74.2.2	GetMethodsForDataClassResponse .....	384
3.1.4.74.3	Complex Types .....	384
3.1.4.74.3.1	ArrayOfMethodStruct.....	385
3.1.4.74.4	Simple Types.....	385
3.1.4.74.5	Attributes .....	385
3.1.4.74.6	Groups.....	385
3.1.4.74.7	Attribute Groups.....	385
3.1.4.75	GetModelById.....	385
3.1.4.75.1	Messages .....	386
3.1.4.75.1.1	BusinessDataCatalogSharedService_GetModelById_InputMessage .....	387
3.1.4.75.1.2	BusinessDataCatalogSharedService_GetModelById_OutputMessage .....	387
3.1.4.75.2	Elements.....	387
3.1.4.75.2.1	GetModelById.....	387
3.1.4.75.2.2	GetModelByIdResponse .....	388
3.1.4.75.3	Complex Types .....	388
3.1.4.75.4	Simple Types .....	388
3.1.4.75.5	Attributes .....	388
3.1.4.75.6	Groups.....	388
3.1.4.75.7	Attribute Groups.....	388
3.1.4.76	GetModelByName .....	388

3.1.4.76.1	Messages .....	389
3.1.4.76.1.1	BusinessDataCatalogSharedService_GetModelByName_InputMessage .....	390
3.1.4.76.1.2	BusinessDataCatalogSharedService_GetModelByName_OutputMessage .....	390
3.1.4.76.2	Elements .....	390
3.1.4.76.2.1	GetModelByName .....	390
3.1.4.76.2.2	GetModelByNameResponse .....	391
3.1.4.76.3	Complex Types .....	391
3.1.4.76.4	Simple Types .....	391
3.1.4.76.5	Attributes .....	391
3.1.4.76.6	Groups .....	391
3.1.4.76.7	Attribute Groups .....	391
3.1.4.77	GetModelsByEntityId .....	391
3.1.4.77.1	Messages .....	392
3.1.4.77.1.1	BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage .....	393
3.1.4.77.1.2	BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage .....	393
3.1.4.77.2	Elements .....	393
3.1.4.77.2.1	GetModelsByEntityId .....	393
3.1.4.77.2.2	GetModelsByEntityIdResponse .....	394
3.1.4.77.3	Complex Types .....	394
3.1.4.77.4	Simple Types .....	394
3.1.4.77.5	Attributes .....	394
3.1.4.77.6	Groups .....	394
3.1.4.77.7	Attribute Groups .....	394
3.1.4.78	GetModelsByName .....	394
3.1.4.78.1	Messages .....	396
3.1.4.78.1.1	BusinessDataCatalogSharedService_GetModelsByName_InputMessage .....	396
3.1.4.78.1.2	BusinessDataCatalogSharedService_GetModelsByName_OutputMessage .....	396
3.1.4.78.2	Elements .....	396
3.1.4.78.2.1	GetModelsByName .....	396
3.1.4.78.2.2	GetModelsByNameResponse .....	397
3.1.4.78.3	Complex Types .....	397
3.1.4.78.4	Simple Types .....	397
3.1.4.78.5	Attributes .....	398
3.1.4.78.6	Groups .....	398
3.1.4.78.7	Attribute Groups .....	398
3.1.4.79	GetParameterById .....	398
3.1.4.79.1	Messages .....	399
3.1.4.79.1.1	BusinessDataCatalogSharedService_GetParameterById_InputMessage .....	399

3.1.4.79.1.2	BusinessDataCatalogSharedService_GetParameterById_OutputMessage	399
3.1.4.79.2	Elements	400
3.1.4.79.2.1	GetParameterById	400
3.1.4.79.2.2	GetParameterByIdResponse	400
3.1.4.79.3	Complex Types	400
3.1.4.79.4	Simple Types	401
3.1.4.79.5	Attributes	401
3.1.4.79.6	Groups	401
3.1.4.79.7	Attribute Groups	401
3.1.4.80	GetParametersForMethod	401
3.1.4.80.1	Messages	402
3.1.4.80.1.1	BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage	402
3.1.4.80.1.2	BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage	403
3.1.4.80.2	Elements	403
3.1.4.80.2.1	GetParametersForMethod	403
3.1.4.80.2.2	GetParametersForMethodResponse	403
3.1.4.80.3	Complex Types	404
3.1.4.80.3.1	ArrayOfParameterStruct	404
3.1.4.80.4	Simple Types	404
3.1.4.80.5	Attributes	404
3.1.4.80.6	Groups	404
3.1.4.80.7	Attribute Groups	404
3.1.4.81	GetRootTypeDescriptorForParameter	404
3.1.4.81.1	Messages	406
3.1.4.81.1.1	BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage	406
3.1.4.81.1.2	BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage	406
3.1.4.81.2	Elements	406
3.1.4.81.2.1	GetRootTypeDescriptorForParameter	407
3.1.4.81.2.2	GetRootTypeDescriptorForParameterResponse	407
3.1.4.81.3	Complex Types	407
3.1.4.81.4	Simple Types	407
3.1.4.81.5	Attributes	407
3.1.4.81.6	Groups	407
3.1.4.81.7	Attribute Groups	408
3.1.4.82	GetServiceApplicationId	408
3.1.4.82.1	Messages	408
3.1.4.82.1.1	BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage	408
3.1.4.82.1.2	BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage	409
3.1.4.82.2	Elements	409

3.1.4.82.2.1	GetServiceApplicationId .....	409
3.1.4.82.2.2	GetServiceApplicationIdResponse .....	409
3.1.4.82.3	Complex Types .....	409
3.1.4.82.4	Simple Types .....	409
3.1.4.82.5	Attributes .....	410
3.1.4.82.6	Groups .....	410
3.1.4.82.7	Attribute Groups .....	410
3.1.4.83	GetSystemUtilityTypeNameForLobSystem .....	410
3.1.4.83.1	Messages .....	411
3.1.4.83.1.1	BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessage .....	411
3.1.4.83.1.2	BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessage .....	412
3.1.4.83.2	Elements .....	412
3.1.4.83.2.1	GetSystemUtilityTypeNameForLobSystem .....	412
3.1.4.83.2.2	GetSystemUtilityTypeNameForLobSystemResponse .....	412
3.1.4.83.3	Complex Types .....	413
3.1.4.83.4	Simple Types .....	413
3.1.4.83.5	Attributes .....	413
3.1.4.83.6	Groups .....	413
3.1.4.83.7	Attribute Groups .....	413
3.1.4.84	GetThrottlingRules .....	413
3.1.4.84.1	Messages .....	414
3.1.4.84.1.1	BusinessDataCatalogSharedService_GetThrottlingRules_InputMessage .....	414
3.1.4.84.1.2	BusinessDataCatalogSharedService_GetThrottlingRules_OutputMessage .....	414
3.1.4.84.2	Elements .....	414
3.1.4.84.2.1	GetThrottlingRules .....	415
3.1.4.84.2.2	GetThrottlingRulesResponse .....	415
3.1.4.84.3	Complex Types .....	415
3.1.4.84.3.1	ArrayOfSafetyNetStruct .....	415
3.1.4.84.4	Simple Types .....	416
3.1.4.84.5	Attributes .....	416
3.1.4.84.6	Groups .....	416
3.1.4.84.7	Attribute Groups .....	416
3.1.4.85	GetTypeDescriptorById .....	416
3.1.4.85.1	Messages .....	417
3.1.4.85.1.1	BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage .....	417
3.1.4.85.1.2	BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage .....	418
3.1.4.85.2	Elements .....	418
3.1.4.85.2.1	GetTypeDescriptorById .....	418
3.1.4.85.2.2	GetTypeDescriptorByIdResponse .....	418
3.1.4.85.3	Complex Types .....	419
3.1.4.85.4	Simple Types .....	419

3.1.4.85.5	Attributes .....	419
3.1.4.85.6	Groups.....	419
3.1.4.85.7	Attribute Groups.....	419
3.1.4.86	GetTypeDescriptorsByNameAndLevelForParameter .....	419
3.1.4.86.1	Messages .....	421
3.1.4.86.1.1	BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage .....	421
3.1.4.86.1.2	BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage .....	421
3.1.4.86.2	Elements .....	421
3.1.4.86.2.1	GetTypeDescriptorsByNameAndLevelForParameter .....	422
3.1.4.86.2.2	GetTypeDescriptorsByNameAndLevelForParameterResponse .....	422
3.1.4.86.3	Complex Types .....	422
3.1.4.86.4	Simple Types .....	423
3.1.4.86.5	Attributes .....	423
3.1.4.86.6	Groups.....	423
3.1.4.86.7	Attribute Groups.....	423
3.1.4.87	GetTypeDescriptorsForFilterDescriptor .....	423
3.1.4.87.1	Messages .....	424
3.1.4.87.1.1	BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMessage .....	424
3.1.4.87.1.2	BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMessage .....	425
3.1.4.87.2	Elements .....	425
3.1.4.87.2.1	GetTypeDescriptorsForFilterDescriptor .....	425
3.1.4.87.2.2	GetTypeDescriptorsForFilterDescriptorResponse .....	425
3.1.4.87.3	Complex Types .....	426
3.1.4.87.4	Simple Types .....	426
3.1.4.87.5	Attributes .....	426
3.1.4.87.6	Groups.....	426
3.1.4.87.7	Attribute Groups.....	426
3.1.4.88	GetTypeReflectorTypeNameForParameter .....	426
3.1.4.88.1	Messages .....	427
3.1.4.88.1.1	BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessage .....	428
3.1.4.88.1.2	BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessage.....	428
3.1.4.88.2	Elements .....	428
3.1.4.88.2.1	GetTypeReflectorTypeNameForParameter .....	428
3.1.4.88.2.2	GetTypeReflectorTypeNameForParameterResponse .....	429
3.1.4.88.3	Complex Types .....	429
3.1.4.88.4	Simple Types .....	429
3.1.4.88.5	Attributes .....	429
3.1.4.88.6	Groups.....	429
3.1.4.88.7	Attribute Groups.....	429
3.1.4.89	GetXmlSchemaForView .....	429
3.1.4.89.1	Messages .....	430

3.1.4.89.1.1	BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage	430
3.1.4.89.1.2	BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage	431
3.1.4.89.2	Elements	431
3.1.4.89.2.1	GetXmlSchemaForView	431
3.1.4.89.2.2	GetXmlSchemaForViewResponse	431
3.1.4.89.3	Complex Types	432
3.1.4.89.4	Simple Types	432
3.1.4.89.5	Attributes	432
3.1.4.89.6	Groups	432
3.1.4.89.7	Attribute Groups	432
3.1.4.90	HaveRights	432
3.1.4.90.1	Messages	433
3.1.4.90.1.1	BusinessDataCatalogSharedService_HaveRights_InputMessage	433
3.1.4.90.1.2	BusinessDataCatalogSharedService_HaveRights_OutputMessage	434
3.1.4.90.2	Elements	434
3.1.4.90.2.1	HaveRights	434
3.1.4.90.2.2	HaveRightsResponse	434
3.1.4.90.3	Complex Types	435
3.1.4.90.4	Simple Types	435
3.1.4.90.4.1	BdcRights	435
3.1.4.90.5	Attributes	436
3.1.4.90.6	Groups	436
3.1.4.90.7	Attribute Groups	436
3.1.4.91	ImportPackage	436
3.1.4.91.1	Messages	439
3.1.4.91.1.1	BusinessDataCatalogSharedService_ImportPackage_InputMessage	439
3.1.4.91.1.2	BusinessDataCatalogSharedService_ImportPackage_OutputMessage	440
3.1.4.91.2	Elements	440
3.1.4.91.2.1	ImportPackage	440
3.1.4.91.2.2	ImportPackageResponse	441
3.1.4.91.3	Complex Types	442
3.1.4.91.4	Simple Types	442
3.1.4.91.5	Attributes	442
3.1.4.91.6	Groups	442
3.1.4.91.7	Attribute Groups	442
3.1.4.92	ImportPackageWithProgress	442
3.1.4.92.1	Messages	445
3.1.4.92.1.1	BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage	446
3.1.4.92.1.2	BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage	446
3.1.4.92.2	Elements	446
3.1.4.92.2.1	ImportPackageWithProgress	446
3.1.4.92.2.2	ImportPackageWithProgressResponse	448
3.1.4.92.3	Complex Types	448
3.1.4.92.4	Simple Types	448
3.1.4.92.5	Attributes	448

3.1.4.92.6	Groups.....	448
3.1.4.92.7	Attribute Groups.....	448
3.1.4.93	IsMethodInstantiated .....	449
3.1.4.93.1	Messages .....	449
3.1.4.93.1.1	BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage .....	450
3.1.4.93.1.2	BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage .....	450
3.1.4.93.2	Elements.....	450
3.1.4.93.2.1	IsMethodInstantiated .....	450
3.1.4.93.2.2	IsMethodInstantiatedResponse .....	451
3.1.4.93.3	Complex Types .....	451
3.1.4.93.4	Simple Types .....	451
3.1.4.93.5	Attributes .....	451
3.1.4.93.6	Groups.....	451
3.1.4.93.7	Attribute Groups.....	451
3.1.4.94	IsParameterReferencedByMethodInstance.....	451
3.1.4.94.1	Messages .....	453
3.1.4.94.1.1	BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage .....	453
3.1.4.94.1.2	BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage .....	453
3.1.4.94.2	Elements.....	453
3.1.4.94.2.1	IsParameterReferencedByMethodInstance.....	454
3.1.4.94.2.2	IsParameterReferencedByMethodInstanceResponse .....	454
3.1.4.94.3	Complex Types .....	454
3.1.4.94.4	Simple Types .....	454
3.1.4.94.5	Attributes .....	454
3.1.4.94.6	Groups.....	455
3.1.4.94.7	Attribute Groups.....	455
3.1.4.95	MetadataObjectCreate.....	455
3.1.4.95.1	Messages .....	460
3.1.4.95.1.1	BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage .....	461
3.1.4.95.1.2	BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage .....	461
3.1.4.95.2	Elements.....	461
3.1.4.95.2.1	MetadataObjectCreate .....	461
3.1.4.95.2.2	MetadataObjectCreateResponse.....	462
3.1.4.95.3	Complex Types .....	462
3.1.4.95.4	Simple Types .....	462
3.1.4.95.5	Attributes .....	462
3.1.4.95.6	Groups.....	462
3.1.4.95.7	Attribute Groups.....	462
3.1.4.96	MetadataObjectMergeXml .....	462
3.1.4.96.1	Messages .....	465



3.1.4.96.1.1	BusinessDataCatalogSharedService_MetadataObjectMergeXml_Input Message .....	465
3.1.4.96.1.2	BusinessDataCatalogSharedService_MetadataObjectMergeXml_Outp utMessage .....	466
3.1.4.96.2	Elements .....	466
3.1.4.96.2.1	MetadataObjectMergeXml .....	466
3.1.4.96.2.2	MetadataObjectMergeXmlResponse .....	468
3.1.4.96.3	Complex Types .....	468
3.1.4.96.4	Simple Types .....	468
3.1.4.96.5	Attributes .....	468
3.1.4.96.6	Groups .....	468
3.1.4.96.7	Attribute Groups .....	469
3.1.4.97	MetadataObjectReadXml .....	469
3.1.4.97.1	Messages .....	474
3.1.4.97.1.1	BusinessDataCatalogSharedService_MetadataObjectReadXml_Input Message .....	474
3.1.4.97.1.2	BusinessDataCatalogSharedService_MetadataObjectReadXml_Outpu tMessage .....	474
3.1.4.97.2	Elements .....	474
3.1.4.97.2.1	MetadataObjectReadXml .....	475
3.1.4.97.2.2	MetadataObjectReadXmlResponse .....	476
3.1.4.97.3	Complex Types .....	476
3.1.4.97.4	Simple Types .....	477
3.1.4.97.5	Attributes .....	477
3.1.4.97.6	Groups .....	477
3.1.4.97.7	Attribute Groups .....	477
3.1.4.98	MetadataObjectWriteXml .....	477
3.1.4.98.1	Messages .....	479
3.1.4.98.1.1	BusinessDataCatalogSharedService_MetadataObjectWriteXml_Input Message .....	479
3.1.4.98.1.2	BusinessDataCatalogSharedService_MetadataObjectWriteXml_Outpu tMessage .....	479
3.1.4.98.2	Elements .....	479
3.1.4.98.2.1	MetadataObjectWriteXml .....	479
3.1.4.98.2.2	MetadataObjectWriteXmlResponse .....	480
3.1.4.98.3	Complex Types .....	482
3.1.4.98.4	Simple Types .....	482
3.1.4.98.5	Attributes .....	482
3.1.4.98.6	Groups .....	482
3.1.4.98.7	Attribute Groups .....	482
3.1.4.99	ModelReadXml .....	482
3.1.4.99.1	Messages .....	486
3.1.4.99.1.1	BusinessDataCatalogSharedService_ModelReadXml_InputMessage ...	486
3.1.4.99.1.2	BusinessDataCatalogSharedService_ModelReadXml_OutputMessage ..	487
3.1.4.99.2	Elements .....	487
3.1.4.99.2.1	ModelReadXml .....	487
3.1.4.99.2.2	ModelReadXmlResponse .....	488

3.1.4.99.3	Complex Types .....	488
3.1.4.99.4	Simple Types .....	488
3.1.4.99.5	Attributes .....	488
3.1.4.99.6	Groups .....	489
3.1.4.99.7	Attribute Groups .....	489
3.1.4.100	ReadSlicedXml .....	489
3.1.4.100.1	Messages .....	490
3.1.4.100.1.1	BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage .....	490
3.1.4.100.1.2	BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage .....	491
3.1.4.100.2	Elements .....	491
3.1.4.100.2.1	ReadSlicedXml .....	491
3.1.4.100.2.2	ReadSlicedXmlResponse .....	492
3.1.4.100.3	Complex Types .....	492
3.1.4.100.4	Simple Types .....	492
3.1.4.100.5	Attributes .....	492
3.1.4.100.6	Groups .....	492
3.1.4.100.7	Attribute Groups .....	492
3.1.4.101	RemoveEntityFromModel .....	492
3.1.4.101.1	Messages .....	494
3.1.4.101.1.1	BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage .....	494
3.1.4.101.1.2	BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage .....	494
3.1.4.101.2	Elements .....	495
3.1.4.101.2.1	RemoveEntityFromModel .....	495
3.1.4.101.2.2	RemoveEntityFromModelResponse .....	495
3.1.4.101.3	Complex Types .....	495
3.1.4.101.4	Simple Types .....	495
3.1.4.101.5	Attributes .....	495
3.1.4.101.6	Groups .....	496
3.1.4.101.7	Attribute Groups .....	496
3.1.4.102	RemoveLocalizedName .....	496
3.1.4.102.1	Messages .....	497
3.1.4.102.1.1	BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage .....	497
3.1.4.102.1.2	BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage .....	498
3.1.4.102.2	Elements .....	498
3.1.4.102.2.1	RemoveLocalizedName .....	498
3.1.4.102.2.2	RemoveLocalizedNameResponse .....	498
3.1.4.102.3	Complex Types .....	499
3.1.4.102.4	Simple Types .....	499
3.1.4.102.5	Attributes .....	499
3.1.4.102.6	Groups .....	499
3.1.4.102.7	Attribute Groups .....	499
3.1.4.103	RemoveProperty .....	499
3.1.4.103.1	Messages .....	500

3.1.4.103.1.1	BusinessDataCatalogSharedService_RemoveProperty_InputMessage	501
3.1.4.103.1.2	BusinessDataCatalogSharedService_RemoveProperty_OutputMessage	501
3.1.4.103.2	Elements	501
3.1.4.103.2.1	RemoveProperty	501
3.1.4.103.2.2	RemovePropertyResponse	502
3.1.4.103.3	Complex Types	502
3.1.4.103.4	Simple Types	502
3.1.4.103.5	Attributes	502
3.1.4.103.6	Groups	502
3.1.4.103.7	Attribute Groups	502
3.1.4.104	RemoveThrottlingRule	502
3.1.4.104.1	Messages	503
3.1.4.104.1.1	BusinessDataCatalogSharedService_RemoveThrottlingRule_InputMessage	503
3.1.4.104.1.2	BusinessDataCatalogSharedService_RemoveThrottlingRule_OutputMessage	503
3.1.4.104.2	Elements	504
3.1.4.104.2.1	RemoveThrottlingRule	504
3.1.4.104.2.2	RemoveThrottlingRuleResponse	504
3.1.4.104.3	Complex Types	504
3.1.4.104.4	Simple Types	504
3.1.4.104.5	Attributes	504
3.1.4.104.6	Groups	504
3.1.4.104.7	Attribute Groups	505
3.1.4.105	SaveLocalizedName	505
3.1.4.105.1	Messages	506
3.1.4.105.1.1	BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage	506
3.1.4.105.1.2	BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage	507
3.1.4.105.2	Elements	507
3.1.4.105.2.1	SaveLocalizedName	507
3.1.4.105.2.2	SaveLocalizedNameResponse	507
3.1.4.105.3	Complex Types	508
3.1.4.105.4	Simple Types	508
3.1.4.105.5	Attributes	508
3.1.4.105.6	Groups	508
3.1.4.105.7	Attribute Groups	508
3.1.4.106	SaveProperty	508
3.1.4.106.1	Messages	509
3.1.4.106.1.1	BusinessDataCatalogSharedService_SaveProperty_InputMessage	510
3.1.4.106.1.2	BusinessDataCatalogSharedService_SaveProperty_OutputMessage	510
3.1.4.106.2	Elements	510
3.1.4.106.2.1	SaveProperty	510
3.1.4.106.2.2	SavePropertyResponse	511
3.1.4.106.3	Complex Types	511

3.1.4.106.4	Simple Types .....	511
3.1.4.106.5	Attributes .....	511
3.1.4.106.6	Groups .....	511
3.1.4.106.7	Attribute Groups.....	511
3.1.4.107	SetAccessControlEntries.....	511
3.1.4.107.1	Messages.....	513
3.1.4.107.1.1	BusinessDataCatalogSharedService_SetAccessControlEntries_InputM essage .....	513
3.1.4.107.1.2	BusinessDataCatalogSharedService_SetAccessControlEntries_Output Message .....	514
3.1.4.107.2	Elements .....	514
3.1.4.107.2.1	SetAccessControlEntries.....	514
3.1.4.107.2.2	SetAccessControlEntriesResponse .....	514
3.1.4.107.3	Complex Types.....	515
3.1.4.107.4	Simple Types .....	515
3.1.4.107.5	Attributes .....	515
3.1.4.107.6	Groups .....	515
3.1.4.107.7	Attribute Groups.....	515
3.1.4.108	SetDefaultActionForEntity .....	515
3.1.4.108.1	Messages.....	516
3.1.4.108.1.1	BusinessDataCatalogSharedService_SetDefaultActionForEntity_Input Message .....	517
3.1.4.108.1.2	BusinessDataCatalogSharedService_SetDefaultActionForEntity_Outp utMessage .....	517
3.1.4.108.2	Elements .....	517
3.1.4.108.2.1	SetDefaultActionForEntity .....	517
3.1.4.108.2.2	SetDefaultActionForEntityResponse .....	518
3.1.4.108.3	Complex Types.....	518
3.1.4.108.4	Simple Types .....	518
3.1.4.108.5	Attributes .....	518
3.1.4.108.6	Groups .....	518
3.1.4.108.7	Attribute Groups.....	518
3.1.4.109	SetDefaultValuesForTypeDescriptor .....	518
3.1.4.109.1	Messages.....	520
3.1.4.109.1.1	BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescrip tor_InputMessage.....	520
3.1.4.109.1.2	BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescrip tor_OutputMessage.....	521
3.1.4.109.2	Elements .....	521
3.1.4.109.2.1	SetDefaultValuesForTypeDescriptor .....	521
3.1.4.109.2.2	SetDefaultValuesForTypeDescriptorResponse.....	521
3.1.4.109.3	Complex Types.....	522
3.1.4.109.4	Simple Types .....	522
3.1.4.109.5	Attributes .....	522
3.1.4.109.6	Groups .....	522
3.1.4.109.7	Attribute Groups.....	522
3.1.4.110	SetLobSystemDataByLobSystemId .....	522

3.1.4.110.1	Messages.....	523
3.1.4.110.1.1	BusinessDataCatalogSharedService_SetLobSystemDataByLobSystem Id_InputMessage.....	524
3.1.4.110.1.2	BusinessDataCatalogSharedService_SetLobSystemDataByLobSystem Id_OutputMessage.....	524
3.1.4.110.2	Elements.....	524
3.1.4.110.2.1	SetLobSystemDataByLobSystemId.....	524
3.1.4.110.2.2	SetLobSystemDataByLobSystemIdResponse.....	525
3.1.4.110.3	Complex Types.....	525
3.1.4.110.4	Simple Types.....	525
3.1.4.110.5	Attributes.....	525
3.1.4.110.6	Groups.....	525
3.1.4.110.7	Attribute Groups.....	525
3.1.4.111	TypeDescriptorCreate.....	525
3.1.4.111.1	Messages.....	527
3.1.4.111.1.1	BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMes sage.....	527
3.1.4.111.1.2	BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMe ssage.....	528
3.1.4.111.2	Elements.....	528
3.1.4.111.2.1	TypeDescriptorCreate.....	528
3.1.4.111.2.2	TypeDescriptorCreateResponse.....	528
3.1.4.111.3	Complex Types.....	529
3.1.4.111.4	Simple Types.....	529
3.1.4.111.5	Attributes.....	529
3.1.4.111.6	Groups.....	529
3.1.4.111.7	Attribute Groups.....	529
3.1.4.112	TypeDescriptorMergeXml.....	529
3.1.4.112.1	Messages.....	531
3.1.4.112.1.1	BusinessDataCatalogSharedService_TypeDescriptorMergeXml_Input Message.....	532
3.1.4.112.1.2	BusinessDataCatalogSharedService_TypeDescriptorMergeXml_Outpu tMessage.....	532
3.1.4.112.2	Elements.....	532
3.1.4.112.2.1	TypeDescriptorMergeXml.....	532
3.1.4.112.2.2	TypeDescriptorMergeXmlResponse.....	533
3.1.4.112.3	Complex Types.....	534
3.1.4.112.4	Simple Types.....	534
3.1.4.112.5	Attributes.....	534
3.1.4.112.6	Groups.....	534
3.1.4.112.7	Attribute Groups.....	534
3.1.4.113	TypeDescriptorReadXml.....	534
3.1.4.113.1	Messages.....	536
3.1.4.113.1.1	BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputM essage.....	537

3.1.4.113.1.2	BusinessDataCatalogSharedService_TypeDescriptorReadXml_Output Message .....	537
3.1.4.113.2	Elements .....	537
3.1.4.113.2.1	TypeDescriptorReadXml .....	537
3.1.4.113.2.2	TypeDescriptorReadXmlResponse.....	538
3.1.4.113.3	Complex Types.....	539
3.1.4.113.4	Simple Types .....	539
3.1.4.113.5	Attributes .....	539
3.1.4.113.6	Groups .....	539
3.1.4.113.7	Attribute Groups.....	539
3.1.4.114	Update .....	539
3.1.4.114.1	Messages.....	544
3.1.4.114.1.1	BusinessDataCatalogSharedService_Update_InputMessage .....	544
3.1.4.114.1.2	BusinessDataCatalogSharedService_Update_OutputMessage .....	544
3.1.4.114.2	Elements .....	544
3.1.4.114.2.1	Update .....	545
3.1.4.114.2.2	UpdateResponse .....	545
3.1.4.114.3	Complex Types.....	545
3.1.4.114.4	Simple Types .....	545
3.1.4.114.5	Attributes .....	545
3.1.4.114.6	Groups .....	545
3.1.4.114.7	Attribute Groups.....	546
3.1.4.115	WriteSlicedXml .....	546
3.1.4.115.1	Messages.....	547
3.1.4.115.1.1	BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage .....	547
3.1.4.115.1.2	BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage .....	548
3.1.4.115.2	Elements .....	548
3.1.4.115.2.1	WriteSlicedXml .....	548
3.1.4.115.2.2	WriteSlicedXmlResponse .....	548
3.1.4.115.3	Complex Types.....	549
3.1.4.115.4	Simple Types .....	549
3.1.4.115.5	Attributes .....	549
3.1.4.115.6	Groups .....	549
3.1.4.115.7	Attribute Groups.....	549
3.1.5	Timer Events .....	549
3.1.6	Other Local Events .....	549
<b>4</b>	<b>Protocol Examples.....</b>	<b>550</b>
4.1	Creating an LobSystem .....	550
4.2	Setting the Security Information of a MetadataObject .....	551
4.3	Reading the Security Information of a MetadataObject .....	553
4.4	Creating an Entity .....	555
4.5	Activating an Entity.....	557
4.6	Reading an Entity .....	559
4.7	Creating Properties for MetadataObjects .....	561
4.8	Adding Localized Names for MetadataObjects .....	563
4.9	Updating an Entity .....	564
4.10	Deleting an Entity .....	566
<b>5</b>	<b>Security.....</b>	<b>569</b>
5.1	Security Considerations for Implementers.....	569

5.2	Index of Security Parameters .....	569
<b>6</b>	<b>Appendix A: Full WSDL .....</b>	<b>570</b>
6.1	http://tempuri.org/ WSDL.....	570
6.2	http://www.microsoft.com/Office/2009/BusinessDataCatalog WSDL .....	684
<b>7</b>	<b>Appendix B: Full XML Schema .....</b>	<b>846</b>
7.1	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure Schema .....	846
7.2	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel Schema .....	847
7.3	http://www.microsoft.com/Office/2009/BusinessDataCatalog Schema .....	849
7.4	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime Schema .....	884
7.5	Microsoft.BusinessData.SharePoint Schema .....	884
7.6	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific Schema .....	885
7.7	http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants Schema .....	885
7.8	Microsoft.SharePoint.BusinessData Schema .....	886
7.9	http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema .....	898
7.10	http://schemas.microsoft.com/2003/10/Serialization/ Schema .....	898
7.11	http://schemas.datacontract.org/2004/07/System Schema .....	899
<b>8</b>	<b>Appendix C: Product Behavior .....</b>	<b>901</b>
<b>9</b>	<b>Change Tracking.....</b>	<b>910</b>
<b>10</b>	<b>Index .....</b>	<b>1021</b>

# 1 Introduction

This document specifies the Business Data Connectivity Web Service Protocol. This protocol enables protocol clients to store and retrieve information about interfaces of business systems and annotations of these interfaces.

Sections 1.8, 2, and 3 of this specification are normative and contain RFC 2119 language. Sections 1.5 and 1.9 are also normative but cannot contain RFC 2119 language. All other sections and examples in this specification are informative.

## 1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

- access control entry (ACE)**
- anonymous user**
- Augmented Backus-Naur Form (ABNF)**
- Coordinated Universal Time (UTC)**
- GUID**
- Hypertext Transfer Protocol (HTTP)**
- Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**
- language code identifier (LCID)**
- Unicode**
- XML**

The following terms are defined in [\[MS-OFCGLOS\]](#):

- AccessChecker**
- Action**
- ActionParameter**
- ActivityTrackingFilter**
- Association**
- AssociationGroup**
- AssociationNavigator**
- AssociationReference**
- Associator**
- base64 encoding**
- BatchingPositionFilter**
- BatchingTerminationFilter**
- BinarySecurityDescriptorAccessor**
- BulkAssociatedIdEnumerator**
- BulkAssociationNavigator**
- BulkIdEnumerator**
- BulkSpecificFinder**
- Business Logic Module**
- ChangedIdEnumerator**
- ComparisonFilter**
- Creator**
- DataClass**
- DefaultValue**
- DeletedIdEnumerator**
- Deleter**
- Disassociator**
- empty GUID**
- endpoint**



**Entity**  
**EntityInstance**  
**field**  
**FilterDescriptor**  
**Finder**  
**GenericInvoker**  
**Identifier**  
**IdEnumerator**  
**InputFilter**  
**InputOutputFilter**  
**LastIdFilter**  
**LimitFilter**  
**line-of-business (LOB) system**  
**LobSystem**  
**LobSystemInstance**  
**localized name**  
**metadata store**  
**MetadataCatalog**  
**MetadataModel**  
**MetadataObject**  
**MetadataObjectId**  
**Method**  
**MethodInstance**  
**Model**  
**OutputFilter**  
**PageNumberFilter**  
**Parameter**  
**partition**  
**PasswordCredentialFilter**  
**ReturnPropertyDescriptor**  
**root TypeDescriptor**  
**Scalar**  
**security principal**  
**Setting**  
**Simple Object Access Protocol (SOAP)**  
**SOAP action**  
**SOAP body**  
**SOAP fault**  
**SOAP header**  
**SpecificFinder**  
**SsoTicketFilter**  
**StreamAccessor**  
**throttle configuration setting**  
**TimeStampFilter**  
**TypeDescriptor**  
**TypeReflector**  
**Uniform Resource Identifier (URI)**  
**Uniform Resource Locator (URL)**  
**Updater**  
**UserContextFilter**  
**UserCultureFilter**  
**UsernameCredentialFilter**  
**UserProfileFilter**  
**View**  
**Web service**

**Web Services Description Language (WSDL)**  
**WildcardFilter**  
**WSDL message**  
**WSDL operation**  
**XML namespace**  
**XML namespace prefix**  
**XML schema**

The following terms are specific to this document:

**Open Data Protocol (OData):** A web protocol for querying and updating data specified in [MS-ODATA].

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

References to Microsoft Open Specification documents do not include a publishing year because links are to the latest version of the documents, which are updated frequently. References to other documents include a publishing year when one is available.

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[ECMA-335] ECMA International, "Common Language Infrastructure (CLI) Partitions I to VI", ECMA-335, June 2006, <http://www.ecma-international.org/publications/standards/Ecma-335.htm>

[MS-BDCDPS] Microsoft Corporation, "[Business Data Connectivity Database Protocol Specification](#)".

[MS-BDCMFFS] Microsoft Corporation, "[Business Data Connectivity Model File Format Specification](#)".

[MS-NRTP] Microsoft Corporation, "[.NET Remoting: Core Protocol Specification](#)".

[MS-SPSTWS] Microsoft Corporation, "[SharePoint Security Token Service Web Service Protocol Specification](#)".

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

[RFC5234] Crocker, D., Ed., and Overell, P., "Augmented BNF for Syntax Specifications: ABNF", STD 68, RFC 5234, January 2008, <http://www.rfc-editor.org/rfc/rfc5234.txt>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[SOAP1.2/2] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 2: Adjuncts", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part2-20030624>

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[XML] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Fourth Edition)", W3C Recommendation, August 2006, <http://www.w3.org/TR/2006/REC-xml-20060816/>

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, <http://www.w3.org/TR/2009/REC-xml-names-20091208/>

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

[XMLSCHEMA2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

### 1.2.2 Informative References

[MSDN-SharePointSDK] Microsoft Corporation, "SharePoint Products and Technologies SDK: 2010 API Reference (Technical Preview)", July 2009, [http://msdn.microsoft.com/en-us/library/ee557253\(office.14\).aspx](http://msdn.microsoft.com/en-us/library/ee557253(office.14).aspx)

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

[MS-SPTWS] Microsoft Corporation, "[Service Platform Topology Web Service Protocol Specification](#)".

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>

### 1.3 Protocol Overview (Synopsis)

Corporations have a variety of data stored in various **line-of-business (LOB) systems**. Typically, this data is accessible through the proprietary programming interface of enterprise software systems. It is ideal to provide access to such data through a set of normalized interfaces so that users do not have to learn system-specific or adapter-specific programming patterns for each system.

To facilitate this access, it is possible to store descriptions of the programmatic interface of the LOB systems by using data structures, such as **Methods**, **Parameters**, and **TypeDescriptors**, along with information about the LOB systems themselves, such as the server name, connection information, and steps on how to authenticate users, by using data structures, such as **LobSystem** and **LobSystemInstance**.

Methods can be considered to live in an **Entity** abstraction that represents a business data type, such as "customer" or "order". The LOB system interface definitions can then be transformed into normalized, stereotypical operations against Entities, such as "Read-An-Entity-Instance-By-Id", "Read-Entity-Instances", and "Check-Entity-Instance-Permissions" by annotating the LOB system interface descriptions with the annotations described by data structures, such as **MethodInstance**, **Identifier**, **FilterDescriptor**, and **Association**. These data structures, collectively called **MetadataObjects**, can be grouped into related collections called **MetadataModels** that describe a single LOB system. After a store of MetadataModels is made available, a runtime engine can use the

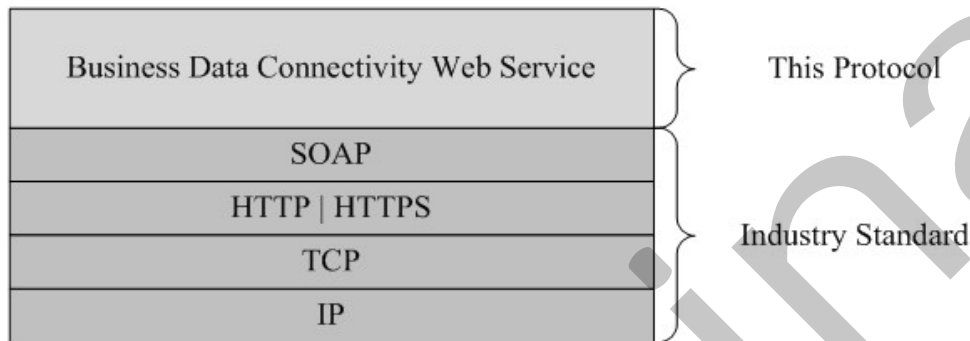
store to convert a stereotypical normalized operation requested by an application that uses the protocol client into an LOB system-specific invocation programmatically.

This protocol enables a metadata client to create, read, update, and delete MetadataObjects in a **metadata store**. Additionally, for write operations, the protocol server provides validation and diagnostic errors, so that protocol clients can maintain the set of stored MetadataObjects in a state that satisfies certain semantic constraints for MetadataModels.

#### 1.4 Relationship to Other Protocols

This protocol uses the **Simple Object Access Protocol (SOAP)** message protocol for formatting request and response messages, as described in [\[SOAP1.2/1\]](#), and [\[SOAP1.2/2\]](#). It transmits those messages using the **Hypertext Transfer Protocol (HTTP)**, as described in [\[RFC2616\]](#), or the **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [\[RFC2818\]](#).

The following diagram shows the underlying messaging and transport stack used by the protocol:



**Figure 1: This protocol in relation to other protocols**

#### 1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) Uniform Resource Identifier (URI)**s that are known by protocol clients. The endpoint (4) URI of the protocol server and the transport that is used by the protocol server are either known by the protocol client or obtained by using the discovery mechanism that is described in [\[MS-SPTWS\]](#). The protocol server endpoint is formed by appending "/bdcservice.svc" to the URL of the site. For example: <http://www.example.com/f0e82c9b92634081a8138bc38a967050/bdcservice.svc>

The protocol client obtains the requisite **ApplicationClassId** and **ApplicationVersion** values and the endpoint (4) URI of the protocol server that provides the discovery mechanism, as described in [\[MS-SPTWS\]](#), by means that are independent of either protocol.

This protocol requires the protocol client to have appropriate permission to call the methods on the protocol server.

The protocol client implements the token-based security mechanisms that are required by the protocol server and related security protocols, as described in [\[MS-SPSTWS\]](#).

#### 1.6 Applicability Statement

This protocol is intended for use by protocol clients and protocol servers that are connected by high-bandwidth, low-latency network connections.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

**Supported Transports:** This protocol can be implemented by using transports that support sending SOAP messages, as described in section [2.1](#).

**Protocol Versions:** This protocol is not versioned.

**Capability Negotiation:** This protocol does not support version negotiation.

## 1.8 Vendor-Extensible Fields

None.

## 1.9 Standards Assignments

None.

## 2 Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The **Web Services Description Language (WSDL)** in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

### 2.1 Transport

Protocol servers **MUST** support SOAP over HTTP or HTTPS.

All protocol messages **MUST** be transported by using HTTP bindings at the transport level.

Protocol messages **MUST** be formatted as specified in [\[SOAP1.2/1\]](#) section 5. Protocol server faults **MUST** be returned by using either HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.2/1\]](#) section 5.4.

If the HTTPS transport is used, a server certificate **MUST** be deployed.

This protocol **SHOULD** transmit an additional SOAP header, the **ServiceContext** header, as specified in [\[MS-SPSTWS\]](#).

This protocol does not define any means for activating a protocol server or protocol client. The protocol server **MUST** be configured and begin listening in an implementation-specific way. In addition, the protocol client **MUST** know the format and transport that is used by the protocol server, for example, the SOAP format over an HTTP transport.

### 2.2 Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses XML schema, as specified in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and WSDL, as specified in [\[WSDL\]](#).

#### 2.2.1 Namespaces

This specification defines and references various **XML namespaces** using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific **XML namespace prefix** for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
i0	<a href="http://www.microsoft.com/Office/2009/BusinessDataCatalog">http://www.microsoft.com/Office/2009/BusinessDataCatalog</a>	
q1	<a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a>	
q7	<a href="http://schemas.microsoft.com/2003/10/Serialization/Arrays">http://schemas.microsoft.com/2003/10/Serialization/Arrays</a>	
ser	<a href="http://schemas.microsoft.com/2003/10/Serialization/">http://schemas.microsoft.com/2003/10/Serialization/</a>	
soap12	<a href="http://schemas.xmlsoap.org/wsdl/soap12/">http://schemas.xmlsoap.org/wsdl/soap12/</a>	<a href="#">[SOAP1.2/1]</a>

Prefi x	Namespace URI	Reference
		<a href="#">[SOAP1.2/2]</a>
sp	http://schemas.xmlsoap.org/ws/2005/07/securitypolicy	
t	http://schemas.xmlsoap.org/ws/2005/02/trust	
tns	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure	
tns1	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel	
tns2	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime	
tns3	Microsoft.BusinessData.SharePoint	
tns4	http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific	
tns5	http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants	
tns6	Microsoft.SharePoint.BusinessData	
tns7	http://www.microsoft.com/Office/2009/BusinessDataCatalog/Imports	
wsaw	http://www.w3.org/2006/05/addressing/wsd	
wSDL	http://schemas.xmlsoap.org/wsd/	<a href="#">[WSDL]</a>
wsp	http://schemas.xmlsoap.org/ws/2004/09/policy	
wsu	http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd	
xs	http://www.w3.org/2001/XMLSchema	<a href="#">[XMLSCHEM A1]</a> <a href="#">[XMLSCHEM A2]</a>

## 2.2.2 Messages

None.

## 2.2.3 Elements

This specification does not define any common XML Schema element definitions.

## 2.2.4 Complex Types

The following sections specify the set of common XML Schema complex type definitions defined by this specification. XML Schema complex type definitions that are specific to a particular operation are described with the operation.

The definitions of some complex types in this section make use of **Augmented Backus-Naur Form (ABNF)** representation as specified in [\[RFC5234\]](#).

Complex types designated as error complex types and returned as responses by the protocol server MUST be formatted as SOAP faults, as specified in [\[SOAP1.2/1\]](#) section 5.4.

This protocol specifies additional restrictions for the **Code**, **Reason**, and **Detail** elements for SOAP faults as follows:

- **Code**: MUST contain a **Value** element, which MUST be set to "s:Sender" and MAY contain a **Subcode** element.
- **Reason**: MUST contain a **Text** element, which MUST be ignored by the protocol client.
- **Detail**: MUST either contain the error complex type or be empty.

The following table summarizes the set of common **XML schema** complex type definitions defined by this specification. XML schema complex type definitions that are specific to a particular operation are described with the operation.

Complex Type	Description
AccessControlEntryStruct	The <b>AccessControlEntryStruct</b> complex type contains information about an <b>access control entry (ACE)</b> .
AccessDeniedException	The <b>AccessDeniedException</b> error complex type contains information about a protocol-server-side error caused by a violation of access control on the metadata store. This complex type MUST be included only as part of a SOAP fault as specified in section <a href="#">2.2.4</a> .
AccessDeniedExceptionState	The <b>AccessDeniedExceptionState</b> error complex type contains information about a protocol-server-side error caused by a violation of access control on the metadata store. This complex type MUST be included only as part of a SOAP fault as specified in section <a href="#">2.2.4</a> .
ActionParameterStruct	The <b>ActionParameterStruct</b> complex type contains information about an <b>ActionParameter</b> .
ActionStruct	The <b>ActionStruct</b> complex type contains information about an <b>Action</b> .
AdministrationMetadataCatalogStruct	The <b>AdministrationMetadataCatalogStruct</b> contains information about a <b>MetadataCatalog</b> .
ArgumentException	The <b>ArgumentException</b> error complex type contains information about a protocol-server-side error caused by an argument with an invalid value. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
ArgumentNullException	The <b>ArgumentNullException</b> error complex type contains information about a protocol-server-side error caused by a NULL value in an argument that does not accept NULL values. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
ArgumentOutOfRangeException	The <b>ArgumentOutOfRangeException</b> error complex type contains information about a protocol-server-side error caused by an argument with a value outside the range of permissible values. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
ArrayOfAccessControlEntryStruct	The <b>ArrayOfAccessControlEntryStruct</b> complex type is



Complex Type	Description
	a list of complex types, each of which represents an <b>ACE</b> .
ArrayOfAssociationStruct	The <b>ArrayOfAssociationStruct</b> complex type is a list of complex types, each of which represents an Association.
ArrayOfEntityStruct	The <b>ArrayOfEntityStruct</b> complex type is a list of complex types, each of which represents an Entity.
ArrayOfLobSystemStruct	The <b>ArrayOfLobSystemStruct</b> complex type is a list of complex types, each of which represents an LobSystem.
ArrayOfLocalizedNameStruct	The <b>ArrayOfLocalizedNameStruct</b> complex type is a list of complex types, each of which represents a <b>localized name</b> .
ArrayOfMethodInstanceStruct	The <b>ArrayOfMethodInstanceStruct</b> complex type is a list of complex types, each of which represents a MethodInstance.
ArrayOfModelStruct	The <b>ArrayOfModelStruct</b> complex type is a list of complex types, each of which represents a <b>Model</b> .
ArrayOfPropertyStruct	The <b>ArrayOfPropertyStruct</b> complex type is a list of complex types, each of which represents a <b>Property</b> .
ArrayOfstring	The <b>ArrayOfstring</b> complex type represents a list of <b>xs:string</b> as specified in <a href="#">[XMLSCHEMA2]</a> .
ArrayOfTypeDescriptorStruct	The <b>ArrayOfTypeDescriptorStruct</b> complex type is a list of complex types, each of which represents a TypeDescriptor.
ArrayOfunsignedInt	The <b>ArrayOfunsignedInt</b> complex type represents a list of unsigned <b>xs:unsignedInt</b> as specified in <a href="#">[XMLSCHEMA2]</a> .
AssociationGroupStruct	<p>The <b>AssociationGroupStruct</b> complex type contains information about an <b>AssociationGroup</b>. Each Association referenced by the <b>AssociationReferences</b> contained by the <b>AssociationGroup</b> is identified by the values in the same index of the following lists:</p> <ul style="list-style-type: none"> <li>▪ associationEntityNames</li> <li>▪ associationEntityNamespaces</li> <li>▪ associationNames</li> <li>▪ associationIds</li> </ul>
AssociationReferenceStruct	The <b>AssociationReferenceStruct</b> complex type contains information about an AssociationReference.
AssociationStruct	The <b>AssociationStruct</b> complex type MUST contain information about an Association. A namespace at any index of the <b>sourceEntityNamespaces</b> element of this complex type MUST be the namespace of the Entity whose name is at the same index of the <b>sourceEntityNames</b> element.

Complex Type	Description
BdcException	The <b>BdcException</b> error complex type contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. This complex type MUST be included only as part of a <b>SOAP fault</b> , as specified in section <a href="#">2.2.4</a> .
BdcExceptionState	The <b>BdcExceptionState</b> error complex type contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
ComplexValueStruct	The <b>ComplexValueStruct</b> complex type MUST contain information about the data types related to the element containing this complex type.
ConcurrentModificationExceptionState	The <b>ConcurrentModificationExceptionState</b> error complex type contains information about a protocol-server-side error caused by concurrent modification of a MetadataObject. This complex type MUST only be included as part of a SOAP fault as specified in section <a href="#">2.2.4</a> .
DataClassStruct	The <b>DataClassStruct</b> complex type MUST contain information about a <b>DataClass</b> .
DefaultValueStruct	The <b>DefaultValueStruct</b> complex type contains details of a <b>DefaultValue</b> of a TypeDescriptor.
DuplicateMetadataObjectExceptionState	The <b>DuplicateMetadataObjectExceptionState</b> error complex type contains information about a protocol-server-side error caused by duplication of a MetadataObject. This complex type MUST only be included as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
EntityStruct	The <b>EntityStruct</b> complex type contains information about an Entity.
ExceededMetadataObjectLimitExceptionState	The <b>ExceededMetadataObjectLimitExceptionState</b> error complex type contains information about a protocol-server-side error caused when a MetadataObject exceeds an implementation-specific limit to the number of MetadataObjects that it can contain or refer to. This complex type MUST only be included as part of a SOAP fault as section <a href="#">2.2.4</a> .
Exception	The <b>Exception</b> error complex type contains information about a protocol-server-side error. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
FilterDescriptorStruct	The <b>FilterDescriptorStruct</b> complex type contains information about a FilterDescriptor.
IdentifierStruct	The <b>IdentifierStruct</b> complex type contains information about an Identifier.
InvalidMetadataObjectExceptionState	The <b>InvalidMetadataObjectExceptionState</b> error

Complex Type	Description
	complex type contains information about a protocol-server-side error caused by invalid attributes of a MetadataObject. This complex type MUST only be included as part of a SOAP fault as specified in section <a href="#">2.2.4</a> .
InvalidMetadataPropertyExceptionState	The <b>InvalidMetadataPropertyExceptionState</b> error complex type contains information about a protocol-server-side error caused by an invalid <b>Property</b> detected in the set of <b>Properties</b> of a MetadataObject. This complex type MUST only be included as part of a SOAP fault as specified in section <a href="#">2.2.4</a> .
InvalidOperationException	The <b>InvalidOperationException</b> error complex contains information about a protocol-server-side error caused by an attempt to perform an operation that is invalid for the current state of the protocol server. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
LobSystemInstanceStruct	The <b>LobSystemInstanceStruct</b> complex type contains information about an LobSystemInstance.
LobSystemStruct	The <b>LobSystemStruct</b> complex type contains information about an LobSystem.
LocalizedNameStruct	The <b>LocalizedNameStruct</b> complex type contains information about a localized name.
MetadataException	The <b>MetadataException</b> error complex type contains information about a protocol-server-side error caused by a syntactic or semantic violation of a MetadataModel constraint in the metadata store. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
MetadataObjectNotFoundExceptionState	The <b>MetadataObjectNotFoundExceptionState</b> error complex type contains information about a protocol-server-side error caused when a requested MetadataObject is not found. This complex type MUST only be included as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
MetadataObjectStruct	The <b>MetadataObjectStruct</b> complex type contains the attributes of the MetadataObject.
MethodInstanceStruct	The <b>MethodInstanceStruct</b> complex type contains information about a MethodInstance.
MethodStruct	The <b>MethodStruct</b> complex type contains information about a Method.
ModelStruct	The <b>ModelStruct</b> complex type contains information about a Model.
PackageFormatExceptionState	The <b>PackageFormatExceptionState</b> error complex type contains information about a protocol-server-side error caused when specified <b>XML</b> does not conform to the Business Data Connectivity Model File Format as specified in <a href="#">[MS-BDCMFFS]</a> or the MetadataModel contained in the specified XML conforming to the Business Data

Complex Type	Description
	Connectivity Model File Format as specified in [MS-BDCMFFS] has invalid configuration of MetadataObjects or their attributes. This complex type MUST only be included as part of a SOAP fault as specified in section <a href="#">2.2.4</a> .
ParameterStruct	The <b>ParameterStruct</b> complex type contains information about a Parameter.
PropertyStruct	The <b>PropertyStruct</b> complex type contains information about a <b>Property</b> .
ProxyGenerationResult	The <b>ProxyGenerationResult</b> complex type contains information about <b>Business Logic Modules</b> <a href="#">&lt;1&gt;</a> .
SafetyNetStruct	The <b>SafetyNetStruct</b> complex type represents a single <b>throttle configuration setting</b> that encapsulates configuration information to support implementation-specific time-and-space-limiting algorithms in the protocol client when running operations against a line-of-business (LOB) system. For example, an implementation of the protocol that reads MetadataModels and uses them to run operations against an LOB system could limit the number of concurrent operations against the LOB system, abort an operation after a certain amount of time has expired, or reject operations that read or write more than a specific quantity of data.
SystemException	The <b>SystemException</b> error complex type contains information about a protocol-server-side error. This complex type MUST be included only as part of a SOAP fault, as specified in section <a href="#">2.2.4</a> .
TypeDescriptorStruct	The <b>TypeDescriptorStruct</b> complex type contains information about a TypeDescriptor.
Version	The <b>Version</b> complex type MUST contain information about the version of a DataClass.

### 2.2.4.1 AccessControlEntryStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AccessControlEntryStruct** complex type contains information about an access control entry (ACE).

```
<xs:complexType name="AccessControlEntryStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="principalBinaryForm" nillable="true"
type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="principalDisplayName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="principalName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="rights" type="xs:unsignedLong"/>
  </xs:sequence>
</xs:complexType>
```

**principalBinaryForm:** This element MUST be ignored by the protocol client.

**principalDisplayName:** This element MUST be ignored by the protocol client.

**principalName:** The encoded name of a **security principal (1)**. This element MUST be present. The value of this element MUST be as specified for the **AttributeValue** of the **Security** element of an RSTR message, as specified in [\[MS-SPSTWS\]](#) section 2.2.2.2.

**rights:** The permissions available to a security principal (1) to perform operations on or by using a MetadataObject. This element MUST be present. The value of this element MUST be the bitwise-OR operation of the values of the corresponding rights in the **BdcRights** enumeration.

#### 2.2.4.2 AccessDeniedException

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **AccessDeniedException** error complex type contains information about a protocol-server-side error caused by a violation of access control on the metadata store. This complex type MUST be included only as part of a SOAP fault as specified in section [2.2.4](#).

```
<xs:complexType name="AccessDeniedException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BdcException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.3 AccessDeniedExceptionState

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>

The **AccessDeniedExceptionState** error complex type contains information about a protocol-server-side error caused by a violation of access control on the metadata store. This complex type MUST be included only as part of a SOAP fault as specified in section [2.2.4](#).

```
<xs:complexType name="AccessDeniedExceptionState"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BdcExceptionState">
      <xs:sequence>
        <xs:element minOccurs="0" name="CurrentIdentity" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="SecurableObjectName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="SecurableObjectTypeName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**CurrentIdentity:** The security principal (1) in whose context the protocol client is operating when the violation of access control occurs. This element MUST be present.

**SecurableObjectName:** The name of the MetadataObject on which the access control violation occurs. This element MUST be present.

**SecurableObjectTypeName:** The type of **MetadataObject** on which the access control violation occurs. This element MUST be present.

## 2.2.4.4 ActionParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ActionParameterStruct** complex type contains information about an ActionParameter.

```
<xs:complexType name="ActionParameterStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="index" type="xs:unsignedByte"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**actionId:** The **MetadataObjectId** of the Action that contains this **ActionParameter**. The value of this element MUST be in the range 1-0x7ffffff.

**index:** The index of the **ActionParameter**. This index corresponds to the parameter in the command of the **Action** that contains this **ActionParameter**. The index values of **ActionParameters** that are contained by the same **Action** SHOULD <2> be greater than or equal to zero and less than the number of **ActionParameters** that are contained by the **Action**. The index values of **ActionParameters** SHOULD <3> be unique across all **ActionParameters** that are contained by the same **Action**.

## 2.2.4.5 ActionStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ActionStruct** complex type contains information about an Action.

```
<xs:complexType name="ActionStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="imageUrl" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="isOpenedInNewWindow" type="xs:boolean"/>
        <xs:element minOccurs="0" name="position" type="xs:unsignedByte"/>
        <xs:element minOccurs="0" name="url" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**entityId:** The MetadataObjectId of the Entity that contains the **Action**. The value of this element MUST be in the range 0-0x7ffffff.

**imageUrl:** The implementation-specific location of the resource that is used to represent the **Action** in the user interface (UI). The application that utilizes the protocol client typically uses the resource in the specified location to represent the **Action** in the UI, possibly along with the localized name of the **Action**.

**isOpenedInNewWindow:** Specifies whether the results of running an **Action** are presented in a new UI context. The value MUST be "true" if the results are displayed in a new UI context; otherwise it MUST be "false". The application that utilizes the protocol client typically uses this value as guidance on creating new UI context when the **Action** is run.

**position:** The order of an **Action** among the **Actions** of an **Entity**. The application that utilizes the protocol client typically uses this ordering as guidance in an implementation-specific algorithm that represents the **Actions** in the UI. This element MUST be present. This element MUST NOT be set to 0.

**url:** The implementation-specific parameterized command associated with the **Action**. The parameters of the command MUST correspond to ActionParameters of this **Action**. This element MUST be present.

#### 2.2.4.6 AdministrationMetadataCatalogStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AdministrationMetadataCatalogStruct** contains information about a MetadataCatalog.

```
<xs:complexType name="AdministrationMetadataCatalogStruct"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.7 ArgumentException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **ArgumentException** error complex type contains information about a protocol-server-side error caused by an argument with an invalid value. This complex type MUST be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="ArgumentException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="q1:SystemException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.8 ArgumentNullException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **ArgumentNullException** error complex type contains information about a protocol-server-side error caused by a NULL value in an argument that does not accept NULL values. This complex type MUST be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="ArgumentNullException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="q1:ArgumentException"/>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:complexContent>
</xs:complexType>
```

#### 2.2.4.9 ArgumentOutOfRangeException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **ArgumentOutOfRangeException** error complex type contains information about a protocol-server-side error caused by an argument with a value outside the range of permissible values. This complex type **MUST** be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="ArgumentOutOfRangeException"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="q1:ArgumentException"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.10 ArrayOfAccessControlEntryStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAccessControlEntryStruct** complex type is a list of complex types, each of which represents an ACE.

```
<xs:complexType name="ArrayOfAccessControlEntryStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AccessControlEntryStruct"
nillable="true" type="tns6:AccessControlEntryStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AccessControlEntryStruct:** A complex type that represents an ACE.

#### 2.2.4.11 ArrayOfAssociationStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationStruct** complex type is a list of complex types, each of which represents an Association.

```
<xs:complexType name="ArrayOfAssociationStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationStruct" nillable="true"
type="tns6:AssociationStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AssociationStruct:** A complex type that represents an **Association**.



#### 2.2.4.12 ArrayOfEntityStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfEntityStruct** complex type is a list of complex types, each of which represents an Entity.

```
<xs:complexType name="ArrayOfEntityStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="EntityStruct" nillable="true"
      type="tns6:EntityStruct"/>
  </xs:sequence>
</xs:complexType>
```

**EntityStruct:** A complex type that represents an **Entity**.

#### 2.2.4.13 ArrayOfLobSystemStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfLobSystemStruct** complex type is a list of complex types, each of which represents an LobSystem.

```
<xs:complexType name="ArrayOfLobSystemStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemStruct" nillable="true"
      type="tns6:LobSystemStruct"/>
  </xs:sequence>
</xs:complexType>
```

**LobSystemStruct:** A complex type that represents an **LobSystem**.

#### 2.2.4.14 ArrayOfLocalizedNameStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfLocalizedNameStruct** complex type is a list of complex types, each of which represents a localized name.

```
<xs:complexType name="ArrayOfLocalizedNameStruct"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="LocalizedNameStruct"
      nillable="true" type="tns6:LocalizedNameStruct"/>
  </xs:sequence>
</xs:complexType>
```

**LocalizedNameStruct:** A complex type that represents a localized name.

#### 2.2.4.15 ArrayOfMethodInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfMethodInstanceStruct** complex type is a list of complex types, each of which represents a **MethodInstance**.

```
<xs:complexType name="ArrayOfMethodInstanceStruct"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodInstanceStruct"
      nillable="true" type="tns6:MethodInstanceStruct"/>
  </xs:sequence>
</xs:complexType>
```

**MethodInstanceStruct:** A complex type that represents a **MethodInstance**.

#### 2.2.4.16 ArrayOfModelStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfModelStruct** complex type is a list of complex types, each of which represents a **Model**.

```
<xs:complexType name="ArrayOfModelStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ModelStruct" nillable="true"
      type="tns6:ModelStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ModelStruct:** A complex type that represents a **Model**.

#### 2.2.4.17 ArrayOfPropertyStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfPropertyStruct** complex type is a list of complex types, each of which represents a **Property**.

```
<xs:complexType name="ArrayOfPropertyStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="PropertyStruct" nillable="true"
      type="tns6:PropertyStruct"/>
  </xs:sequence>
</xs:complexType>
```

**PropertyStruct:** A complex type that represents a **Property**.

#### 2.2.4.18 ArrayOfstring

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfstring** complex type represents a list of **xs:string** as specified in [\[XMLSCHEMA2\]](#).

```
<xs:complexType name="ArrayOfstring" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
```

```

    <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**string:** An element in the list.

#### 2.2.4.19 ArrayOfTypeDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfTypeDescriptorStruct** complex type is a list of complex types, each of which represents a **TypeDescriptor**.

```

<xs:complexType name="ArrayOfTypeDescriptorStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="TypeDescriptorStruct"
nillable="true" type="tns6:TypeDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>

```

**TypeDescriptorStruct:** A complex type that represents a **TypeDescriptor**.

#### 2.2.4.20 ArrayOfunsignedInt

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfunsignedInt** complex type represents a list of unsigned **xs:unsignedInt** as specified in [\[XMLSCHEMA2\]](#).

```

<xs:complexType name="ArrayOfunsignedInt" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="unsignedInt"
type="xs:unsignedInt"/>
  </xs:sequence>
</xs:complexType>

```

**unsignedInt:** An element in the list.

#### 2.2.4.21 AssociationGroupStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationGroupStruct** complex type contains information about an **AssociationGroup**. Each **Association** referenced by the **AssociationReferences** contained by the **AssociationGroup** is identified by the values in the same index of the following lists:

- associationEntityNames
- associationEntityNamespaces
- associationNames
- associationIds

```

<xs:complexType name="AssociationGroupStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element
xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="0"
name="associationEntityNames" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element
xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="0"
name="associationEntityNamespaces" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element
xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="0"
name="associationIds" nillable="true" type="q7:ArrayOfunsignedInt"/>
        <xs:element
xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays" minOccurs="0"
name="associationNames" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

**associationEntityNames:** A list containing the names of Entities that contain the **Associations** referenced by the **AssociationReferences** contained by the **AssociationGroup**. If the corresponding **Entity** is not active, the values in this list MUST have at least 1 and at most 255 **Unicode** characters.

**associationEntityNamespaces:** A list containing the namespaces of **Entities** that contain the **Associations** referenced by the **AssociationReferences** contained by the **AssociationGroup**. If the corresponding **Entity** is not active, the values in this list MUST have at least 1 and at most 255 Unicode characters.

**associationIds:** A list containing the MetadataObjectIds of the **Associations** referenced by the **AssociationReferences** contained by the **AssociationGroup**. If the **Entity** containing the corresponding **Association** is active, the values in this list SHOULD [<4>](#) be in the range 1-0x7fffffff. Otherwise, the values MUST be zero.

**associationNames:** A list of names of **Associations** referenced by the **AssociationReferences** contained by the **AssociationGroup**. If the **Entity** containing the corresponding **Association** is not active, the values in this list MUST have at least 1 and at most 255 Unicode characters.

**entityId:** The **MetadataObjectId** of the **Entity** that contains the **AssociationGroup**. The value of this element MUST be in the range 1-0x7fffffff.

#### 2.2.4.22 AssociationReferenceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationReferenceStruct** complex type contains information about an AssociationReference.

```

<xs:complexType name="AssociationReferenceStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="_associationName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string"/>
  </xs:sequence>

```

```

<xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"/>
<xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
<xs:element minOccurs="0" name="associationGroupObjectVersion" type="xs:int"/>
<xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
<xs:element minOccurs="0" name="id" type="xs:unsignedInt"/>
<xs:element minOccurs="0" name="isReverse" type="xs:boolean"/>
<xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
</xs:sequence>
</xs:complexType>

```

**\_associationName:** The name of the Association referenced by the **AssociationReference**. The name MUST [<5>](#) have at most 255 Unicode characters.

**\_entityName:** The name of the Entity containing the **Association** referenced by the **AssociationReference**. The name MUST [<6>](#) have at most 255 Unicode characters.

**\_entityNamespace:** The namespace of the **Entity** containing the **Association** referenced by the **AssociationReference**. The namespace MUST [<7>](#) have at most 255 Unicode characters.

**associationGroupId:** The MetadataObjectId of the AssociationGroup that contains the **AssociationReference**. The value of this element MUST be in the range 1-0x7fffffff.

**associationGroupObjectVersion:** The object version of the **AssociationGroup**.

**associationId:** The **MetadataObjectId** of the **Association** referenced by the **AssociationReference**. The value of this element MUST be in the range 0-0x7fffffff.

**id:** The implementation-specific identifier of the **AssociationReference**.

**isReverse:** A value that specifies whether the source of the referenced **Association** is the destination of the containing **AssociationGroup** and the destination of the referenced **Association** is the source of the containing **AssociationGroup**. The following table describes possible values.

Value	Description
false	The sources of the referenced <b>Association</b> are the sources of the containing <b>AssociationGroup</b> and the destination of the referenced <b>Association</b> is the destination of the containing <b>AssociationGroup</b> .
true	The source of the referenced <b>Association</b> is the destination of the containing <b>AssociationGroup</b> and destination of the referenced <b>Association</b> is the source of the containing <b>AssociationGroup</b> . The referenced <b>Association</b> MUST have only one source.

**partitionId:** The **partition (1)** of the **Association** referenced by the **AssociationReference**.

### 2.2.4.23 AssociationStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationStruct** complex type MUST contain information about an Association. A namespace at any index of the **sourceEntityNamespaces** element of this complex type MUST be the namespace of the Entity whose name is at the same index of the **sourceEntityNames** element.

```

<xs:complexType name="AssociationStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MethodInstanceStruct">

```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="destinationEntityName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="destinationEntityNamespace" nillable="true"
type="xs:string"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="sourceEntityNames" nillable="true" type="q7:ArrayOfstring"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="sourceEntityNamespaces" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

**associationGroupId:** The MetadataObjectId of the AssociationGroup which the **Association** is referenced by. If the **Association** is referenced by an **AssociationGroup**, the value of this element MUST be the **MetadataObjectId** of the referencing **AssociationGroup**. Otherwise, the value of this element MUST be set to zero. The value of this element MUST be in the range 0-0x7fffffff.

**destinationEntityName:** The name of the **Association** destination of the **Association**. This element MUST be present. The value of this element MUST have at least 1 and at most 255 Unicode characters.

**destinationEntityNamespace:** The namespace of the **Association** destination of the **Association**. This element MUST be present. The value of this element MUST have at least 1 and at most 255 Unicode characters.

**sourceEntityNames:** The list of names of the **Association** sources of the **Association**. This element MUST be present. This list MUST contain at least one child element. Each name in this list of Association source names MUST have at least 1 and at most 255 Unicode characters.

**sourceEntityNamespaces:** The list of namespaces of the **Association** sources of the **Association**. This element MUST be present. This list MUST contain at least one child element. Each namespace in this list of **Association** source namespaces MUST have at least 1 and at most 255 Unicode characters.

#### 2.2.4.24 BdcException

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure

The **BdcException** error complex type contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. This complex type MUST be included only as part of a **SOAP fault**, as specified in section [2.2.4](#).

```

<xs:complexType name="BdcException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:Exception"/>
  </xs:complexContent>
</xs:complexType>

```

## 2.2.4.25 BdcExceptionState

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure

The **BdcExceptionState** error complex type contains information about a protocol-server-side error encountered during implementation-specific operations or caused by a violation of constraints on the metadata store. This complex type MUST be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="BdcExceptionState" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="InnerExceptionToStringed" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="InnerExceptionTypeFullName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**InnerExceptionToStringed:** The specific cause of the operation failure.

**InnerExceptionTypeFullName:** A name for the kind of violation that caused this fault. The client MUST ignore this value.

**Message:** A description of the violation.

**ServerStackTrace:** An implementation-specific representation of the location on the protocol server where the violation was detected.

## 2.2.4.26 ComplexValueStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ComplexValueStruct** complex type MUST contain information about the data types related to the element containing this complex type.

```
<xs:complexType name="ComplexValueStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="needsTypeReflectionResolution" type="xs:boolean"/>
    <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="wcfMarshallableValue" nillable="true" type="xs:anyType"/>
    <xs:element minOccurs="0" name="wcfMarshallableValueAssemblyQualifiedTypeName"
nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="wcfMarshallableValueTypeName" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**needsTypeReflectionResolution:** Carries protocol client implementation-specific semantics. This value MUST NOT carry any semantic significance for the protocol server.

**typeName:**

**wcfMarshallableValue:** Carries protocol client implementation-specific semantics. This value MUST NOT carry any semantic significance for the protocol server.

**wcfMarshallableValueAssemblyQualifiedTypeName:** Carries protocol client implementation-specific semantics. The value MUST NOT carry any semantic significance for the protocol server.

**wcfMarshallableValueTypeName:** Carries protocol client implementation-specific semantics. This value MUST NOT carry any semantic significance for the protocol server.

#### 2.2.4.27 ConcurrentModificationExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **ConcurrentModificationExceptionState** error complex type contains information about a protocol-server-side error caused by concurrent modification of a **MetadataObject**. This complex type MUST only be included as part of a SOAP fault as specified in section [2.2.4](#).

```
<xs:complexType name="ConcurrentModificationExceptionState"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:tns3="Microsoft.SharePoint.BusinessData.SharePoint"
      base="tns3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="MetadataObjectId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**MetadataObjectId:** The **MetadataObjectId** of the **MetadataObject** that was concurrently modified.

#### 2.2.4.28 DataClassStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **DataClassStruct** complex type MUST contain information about a **DataClass**.

```
<xs:complexType name="DataClassStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="active" type="xs:boolean"/>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
          name="version" nillable="true" type="q1:Version"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**active:** A bit that specifies whether the **DataClass** is active. The value of this element MUST be "true" if the **DataClass** is active; otherwise it MUST be "false".

**lobSystemId:** The **MetadataObjectId** of the **LobSystem** that contains this **DataClass**.

**modelId:** This value MUST be ignored by the protocol client. This value MUST be ignored by the protocol server.



**namespace:** The namespace of the **DataClass**.

**version:** The version of the **DataClass**.

#### 2.2.4.29 DefaultValueStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **DefaultValueStruct** complex type contains details of a DefaultValue of a TypeDescriptor.

```
<xs:complexType name="DefaultValueStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:ComplexValueStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="methodName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**methodInstanceId:** MetadataObjectId of the MethodInstance with which the **DefaultValue** is associated. This element MUST be present, and the value of this element MUST NOT be NULL.

**methodName:** The name of the **MethodInstance** with the specified **MetadataObjectId**. The value of this element MUST have at least 1 and at most 255 Unicode characters.

**typeDescriptorId:** The **MetadataObjectId** of the **TypeDescriptor** with which the **DefaultValue** is associated. This element MUST be present, and the value of this element MUST NOT be NULL.

#### 2.2.4.30 DuplicateMetadataObjectExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **DuplicateMetadataObjectExceptionState** error complex type contains information about a protocol-server-side error caused by duplication of a MetadataObject. This complex type MUST only be included as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="DuplicateMetadataObjectExceptionState"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="DuplicateFieldName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="DuplicateMetadataObjectName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**DuplicateFieldName:** The name of the attribute of the **MetadataObject** that was supposed to be unique, but was not.

**DuplicateMetadataObjectName:** The name of the duplicate **MetadataObject**.

### 2.2.4.31 EntityStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **EntityStruct** complex type contains information about an Entity.

```
<xs:complexType name="EntityStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:DataClassStruct">
      <xs:sequence>
        <xs:element
          xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
          minOccurs="0" name="cacheUsage" type="tns2:CacheUsage"/>
        <xs:element minOccurs="0" name="description" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="estimatedInstanceCount" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**cacheUsage:** The [CacheUsage](#) of the **Entity**.

**description:** The description of the **Entity**.

**estimatedInstanceCount:** The estimated maximum number of instances of the **Entity**. The value of this element MUST be in the range 1-0x7fffffff.

### 2.2.4.32 ExceededMetadataObjectLimitExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **ExceededMetadataObjectLimitExceptionState** error complex type contains information about a protocol-server-side error caused when a **MetadataObject** exceeds an implementation-specific limit to the number of **MetadataObjects** that it can contain or refer to. This complex type MUST only be included as part of a SOAP fault as section [2.2.4](#).

```
<xs:complexType name="ExceededMetadataObjectLimitExceptionState"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
      base="tns3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="Limit" type="xs:int"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**Limit:** The numerical limit that was exceeded.

### 2.2.4.33 Exception

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **Exception** error complex type contains information about a protocol-server-side error. This complex type MUST be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="Exception" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:any minOccurs="0" maxOccurs="unbounded" namespace="##local" processContents="skip"/>
  </xs:sequence>
  <xs:attribute ref="ser:FactoryType"/>
</xs:complexType>
```

**ser:FactoryType:**

### 2.2.4.34 FilterDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **FilterDescriptorStruct** complex type contains information about a FilterDescriptor.

```
<xs:complexType name="FilterDescriptorStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="filterField" nillable="true" type="xs:string"/>
        <xs:element
          xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
          minOccurs="0" name="filterType" type="tns1:FilterType"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**filterField:** The **field (4)** operated on by the **FilterDescriptor**. This value MUST be either a path (as specified in [\[MS-BDCMFFS\]](#) section 2.1.5.5), NULL, or an empty string. This value is understood by the applications using the protocol client, and MUST NOT carry any significance for the protocol server.

**filterType:** The [FilterType](#) of a **FilterDescriptor**.

**methodId:** The MetadataObjectId of the Method that contains the **FilterDescriptor**.

### 2.2.4.35 IdentifierStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **IdentifierStruct** complex type contains information about an Identifier.

```
<xs:complexType name="IdentifierStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
```

```

    <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte"/>
    <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

**entityId:** The MetadataObjectId of the Entity that contains the **Identifier**.

**ordinalNumber:** The sequence number for the **Identifier** among all **Identifiers** of an **Entity**.

**typeName:** The data type of the value corresponding to the **Identifier**. The value **MUST** be in the following table.

Value	Description
System.String	A string of Unicode text.
System.Int16	A number in the range from -32,768 through 32,767.
System.Int32	A number in the range from -2,147,483,648 through 2,147,483,647.
System.Int64	A number in the range from -9,223,372,036,854,775,808 through 9,223,372,036,854,775,807.
System.UInt16	A number in the range from 0 through 65,535.
System.UInt32	A number in the range from 0 through 4,294,967,295.
System.UInt64	A number in the range from 0 through 18,446,744,073,709,551,615.
System.DateTime	A date and time in the range from midnight, January 1, 1 A.D. to 11:59:59 PM, December 31, 9999 A.D., with a resolution of 100 nanoseconds.
System.TimeSpan	A duration in the range from negative 10,675,199 days, 2 hours, 48 minutes, 5 seconds, 477 milliseconds, 580 microseconds, 800 nanoseconds through positive 10,675,199 days, 2 hours, 48 minutes, 5 seconds, 477 milliseconds, 580 microseconds, 700 nanoseconds, with a resolution of 100 nanoseconds.
System.Single	A single-precision number in the range from -3.402823e38 to 3.402823e38.
System.Double	A double-precision number in the range from -1.79769313486232e308 through 1.79769313486232e308, as well as positive zero, negative zero, positive infinity, negative infinity, and NaN.
System.Decimal	A number in the range from -79,228,162,514,264,337,593,543,950,335 through 79,228,162,514,264,337,593,543,950,335.
System.Char	A Unicode character.
System.Byte	A number in the range from 0 through 255.
System.SByte	A number in the range from -128 through 127.
System.Guid	A <b>GUID</b> .
System.Boolean	A bit.

## 2.2.4.36 InvalidMetadataObjectExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **InvalidMetadataObjectExceptionState** error complex type contains information about a protocol-server-side error caused by invalid attributes of a **MetadataObject**. This complex type **MUST** only be included as part of a SOAP fault as specified in section [2.2.4](#).

```
<xs:complexType name="InvalidMetadataObjectExceptionState"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:tns3="Microsoft.SharePoint.BusinessData.SharePoint"
base="tns3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="InvalidFieldName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="InvalidMetadataObjectId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="InvalidMetadataObjectName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**InvalidFieldName:** The name of the **MetadataObject** attribute that is invalid.

**InvalidMetadataObjectId:** The **MetadataObjectId** of the **MetadataObject** that has an invalid attribute.

**InvalidMetadataObjectName:** The name of the **MetadataObject** that has an invalid attribute.

## 2.2.4.37 InvalidMetadataPropertyExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **InvalidMetadataPropertyExceptionState** error complex type contains information about a protocol-server-side error caused by an invalid **Property** detected in the set of **Properties** of a **MetadataObject**. This complex type **MUST** only be included as part of a SOAP fault as specified in section [2.2.4](#).

```
<xs:complexType name="InvalidMetadataPropertyExceptionState"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:tns3="Microsoft.SharePoint.BusinessData.SharePoint"
base="tns3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="InvalidPropertyName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="MetadataObjectName" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**InvalidPropertyName:** The name of the **Property** that is invalid.

**MetadataObjectName:** The name of the **MetadataObject** that has an invalid **Property**.

### 2.2.4.38 InvalidOperationException

**Namespace:** <http://schemas.datacontract.org/2004/07/System>

The **InvalidOperationException** error complex contains information about a protocol-server-side error caused by an attempt to perform an operation that is invalid for the current state of the protocol server. This complex type MUST be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="InvalidOperationException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="q1:SystemException"/>
  </xs:complexContent>
</xs:complexType>
```

### 2.2.4.39 LobSystemInstanceStruct

**Namespace:** [Microsoft.SharePoint.BusinessData](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData)

The **LobSystemInstanceStruct** complex type contains information about an **LobSystemInstance**.

```
<xs:complexType name="LobSystemInstanceStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**lobSystemId:** The **MetadataObjectId** of the **LobSystem** that contains this **LobSystemInstance**.

### 2.2.4.40 LobSystemStruct

**Namespace:** [Microsoft.SharePoint.BusinessData](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData)

The **LobSystemStruct** complex type contains information about an **LobSystem**.

```
<xs:complexType name="LobSystemStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element
          xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel"
          minOccurs="0" name="systemType" type="tns1:SystemType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**systemType:** The [SystemType \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel) of the **LobSystem**.

#### 2.2.4.41 LocalizedNameStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **LocalizedNameStruct** complex type contains information about a localized name.

```
<xs:complexType name="LocalizedNameStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="vlu" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**lcid:** The **language code identifier (LCID)** representing the locale of the localized name. This element **MUST** be present.

**metadataObjectId:** The MetadataObjectId of the MetadataObject that contains the localized name. This element **MUST** be present. The value of this element **MUST** be in the range 1-0x7ffffff. [<8>](#)

**settingId:** The **Setting** that contains the localized name. This element **MUST** be present. The value **MUST** be NULL if the Setting is the default Setting. The value **MUST NOT** be NULL if the Setting is not the default Setting.

**vlu:** The localized name of the **MetadataObject** in the locale specified with **lcid** element. This element **MUST** be present.

#### 2.2.4.42 MetadataException

**Namespace:** Microsoft.BusinessData.SharePoint

The **MetadataException** error complex type contains information about a protocol-server-side error caused by a syntactic or semantic violation of a MetadataModel constraint in the metadata store. This complex type **MUST** be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="MetadataException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="explicitMessage" type="xs:boolean"/>
    <xs:element minOccurs="0" name="innerExceptionToStringed" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="innerExceptionTypeFullName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="message" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="metadataObjectTypeName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="serverStackTrace" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**explicitMessage:** Specifies if the error message is specific for the encountered problem or it is generic for the type of the problem encountered. If the error message is specific to the problem encountered, the value **MUST** be "true"; otherwise it **MUST** be "false".

**innerExceptionToStringed:** The detailed reason for the error.

**innerExceptionTypeFullName:** A name for the kind of violation that caused this fault. The protocol client MUST ignore this value.

**message:** A literal implementation-specific error message detailing the constraint violation.

**metadataObjectTypeName:** The type of MetadataObject being accessed when the error occurred.

**serverStackTrace:** The implementation-specific representation of the location on the protocol server where the error occurred.

#### 2.2.4.43 MetadataObjectNotFoundExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **MetadataObjectNotFoundExceptionState** error complex type contains information about a protocol-server-side error caused when a requested MetadataObject is not found. This complex type MUST only be included as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="MetadataObjectNotFoundExceptionState"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:tns3="Microsoft.SharePoint.BusinessData.SharePoint"
base="tns3:MetadataException">
      <xs:sequence>
        <xs:element minOccurs="0" name="SearchCriteria" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**SearchCriteria:** The implementation-specific plain text informative criterion used to search for the **MetadataObject**.

#### 2.2.4.44 MetadataObjectStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **MetadataObjectStruct** complex type contains the attributes of the MetadataObject.

```
<xs:complexType name="MetadataObjectStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="id" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="isCached" type="xs:boolean"/>
    <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="objectVersion" type="xs:int"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
```

**id:** The MetadataObjectId of the **MetadataObject**, if the **MetadataObject** already exists in the metadata store. Otherwise, this value MUST be zero. The value of this element MUST be in the range 0-0x7fffffff.

**isCached:** Specifies the frequency of use of a **MetadataObject** by the protocol client. Protocol clients can use this element as a recommendation on whether to cache a **MetadataObject** in



memory. Whether the client considers a **MetadataObject** to be frequently used or not is left to its determination and is outside the scope of this protocol. The value **MUST** be in the following table.

Value	Description
false	The <b>MetadataObject</b> is infrequently used.
true	The <b>MetadataObject</b> is frequently used.

**name:** The name of the **MetadataObject**. This element **MUST** be present. The value of this element **MUST** have at least 1 and at most 255 Unicode characters.

**objectVersion:** The object version of the **MetadataObject**.

**partitionId:** The partition (1) of the **MetadataObject**. This element **MUST** be present.

#### 2.2.4.45 MethodInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **MethodInstanceStruct** complex type contains information about a **MethodInstance**.

```
<xs:complexType name="MethodInstanceStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="isDefault" type="xs:boolean"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
        <xs:element
          xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
          minOccurs="0" name="methodInstanceType" type="tns1:MethodInstanceType"/>
        <xs:element minOccurs="0" name="returnTypeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**isDefault:** Specifies whether the **MethodInstance** is the default among the **MethodInstances** of the same type that are contained by the **DataClass** that contains this **MethodInstance**. The value **MUST** be in the following table.

Value	Description
false	The <b>MethodInstance</b> is not the default.
true	The <b>MethodInstance</b> is the default.

**methodId:** The **MetadataObjectId** of the Method that contains the **MethodInstance**.

**methodInstanceType:** The type of the **MethodInstance**. This element **MUST** be present. The value of this element **MUST NOT** be NULL. The value **MUST** be a [MethodInstanceType \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel).

**returnTypeDescriptorId:** The **MetadataObjectId** of the **ReturnPropertyDescriptor** of the **MethodInstance**. This element **MUST** be present.

## 2.2.4.46 MethodStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **MethodStruct** complex type contains information about a Method.

```
<xs:complexType name="MethodStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="isStatic" type="xs:boolean"/>
        <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**entityId:** The MetadataObjectId of the Entity that contains the **Method**.

**isStatic:** Specifies whether the **Method** is associated with an **EntityInstance**. The value MUST be in the following table.

Value	Description
false	The <b>Method</b> operates in the context of a specific <b>EntityInstance</b> .
true	The <b>Method</b> operates out of the context of a specific <b>EntityInstance</b> .

**lobName:** The name of the line-of-business (LOB) system operation that is represented by this **Method**. An application that utilizes the protocol client MUST use this name when calling LOB system operations. For example, a LOB system operation named "GetCus\_1" can be represented by a **Method** named "Get Customer". The **lobName** element of this **Method** needs to be set to "GetCus\_1".

## 2.2.4.47 ModelStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ModelStruct** complex type contains information about a Model.

```
<xs:complexType name="ModelStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

## 2.2.4.48 PackageFormatExceptionState

**Namespace:** Microsoft.SharePoint.BusinessData

The **PackageFormatExceptionState** error complex type contains information about a protocol-server-side error caused when specified XML does not conform to the Business Data Connectivity

Model File Format as specified in [MS-BDCMFFS] or the MetadataModel contained in the specified XML conforming to the Business Data Connectivity Model File Format as specified in [MS-BDCMFFS] has invalid configuration of MetadataObjects or their attributes. This complex type MUST only be included as part of a SOAP fault as specified in section 2.2.4.

```
<xs:complexType name="PackageFormatExceptionState"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string"/>
    <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="ParseErrors" nillable="true" type="q7:ArrayOfstring"/>
    <xs:element xmlns:tns3="Microsoft.BusinessData.SharePoint" minOccurs="0"
name="SerializedInnerSystemException" nillable="true" type="tns3:MetadataException"/>
    <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**Message:** A description of the error.

**ParseErrors:** A list of error messages or informational messages about the specified XML.

**SerializedInnerSystemException:** An implementation-specific representation of additional information about the error.

**ServerStackTrace:** An implementation-specific representation of the location on the protocol server where the error occurred.

#### 2.2.4.49 ParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ParameterStruct** complex type contains information about a Parameter.

```
<xs:complexType name="ParameterStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="direction" type="tns1:DirectionType"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte"/>
        <xs:element minOccurs="0" name="rootTypeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**direction:** Specifies the direction of the **Parameter**.

**methodId:** Specifies the MetadataObjectId of Method that contains the **Parameter**.

**ordinalNumber:** An **integer** representing the index of the **Parameter** among all **Parameters** in the containing **Method**.

**rootTypeDescriptorId:** Specifies the **MetadataObjectId** of the **root TypeDescriptor** of the **Parameter**.

#### 2.2.4.50 PropertyStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **PropertyStruct** complex type contains information about a **Property**.

```
<xs:complexType name="PropertyStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:ComplexValueStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**metadataObjectId:** The **MetadataObjectId** of the **MetadataObject** that contains this **Property**.

**name:** The name of the **Property**. The value MUST be unique among the names of **Properties** in the specified Setting and the containing MetadataObject.

**settingId:** The **Setting** that contains the **Property**. The value MUST be NULL if the **Setting** is the default **Setting**. The value MUST NOT be NULL if the **Setting** is not the default **Setting**.

#### 2.2.4.51 ProxyGenerationResult

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime

The **ProxyGenerationResult** complex type contains information about Business Logic Modules [<9>](#).

```
<xs:complexType name="ProxyGenerationResult" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="compiledBytes" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="fingerprint" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="sourceCode" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

**compiledBytes:** The bytes encoded with **base64 encoding** that constitute the **Business Logic Modules**.

**fingerprint:** An implementation-specific identifier of the **Business Logic Modules**. If the bytes that constitute two **Business Logic Modules** are identical and the fingerprint element was not previously set by the client, their **fingerprint** values returned by the server MUST be identical.

**sourceCode:** The value of this element MUST be NULL. The protocol client and the protocol server MUST ignore this value.

## 2.2.4.52 SafetyNetStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **SafetyNetStruct** complex type represents a single throttle configuration setting that encapsulates configuration information to support implementation-specific time-and-space-limiting algorithms in the protocol client when running operations against a line-of-business (LOB) system. For example, an implementation of the protocol that reads MetadataModels and uses them to run operations against an LOB system could limit the number of concurrent operations against the LOB system, abort an operation after a certain amount of time has expired, or reject operations that read or write more than a specific quantity of data.

```
<xs:complexType name="SafetyNetStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="defaultLimit" type="xs:int"/>
    <xs:element minOccurs="0" name="enabled" type="xs:boolean"/>
    <xs:element minOccurs="0" name="maxLimit" type="xs:int"/>
    <xs:element minOccurs="0" name="proxyId" type="ser:guid"/>
    <xs:element
      xmlns:tns4="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"
      minOccurs="0" name="throttleScope" type="tns4:ThrottleScope"/>
    <xs:element
      xmlns:tns4="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"
      minOccurs="0" name="throttleType" type="tns4:ThrottleType"/>
  </xs:sequence>
</xs:complexType>
```

**defaultLimit:** The initial default value for the throttle configuration setting.

**enabled:** A bit that specifies whether this throttle configuration setting is enabled. If this value is set to "true", the throttle configuration setting is enabled; if the value is set to "false", the throttle configuration setting is disabled.

**maxLimit:** The maximum value permissible for this throttle configuration setting.

**proxyId:** An implementation-specific non-empty GUID used to group the set of throttle configuration settings so that multiple instances of protocol clients can use the same protocol server and have their implementation limited by differing amounts. For example, a search crawler crawling an LOB can be enabled to make more simultaneous calls and query larger quantities of data than a Web server used by interactive users against the same LOB.

An **empty GUID** designates a fallback throttle configuration setting. For a given combination of **ThrottleScope** (section [2.2.5.10](#)) and **ThrottleType** (section [2.2.5.11](#)), the protocol server MUST use the fallback throttle configuration setting corresponding to the runtime values of **ThrottleScope** and **ThrottleType**, if a throttle configuration setting corresponding to the runtime values of **ThrottleScope**, **ThrottleType** and **ProxyId** does not exist.

**throttleScope:** The ThrottleScope (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific>) of this throttle configuration setting.

**throttleType:** The ThrottleType (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific>) of this throttle configuration setting.

### 2.2.4.53 SystemException

**Namespace:** http://schemas.datacontract.org/2004/07/System

The **SystemException** error complex type contains information about a protocol-server-side error. This complex type **MUST** be included only as part of a SOAP fault, as specified in section [2.2.4](#).

```
<xs:complexType name="SystemException" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="q1:Exception"/>
  </xs:complexContent>
</xs:complexType>
```

### 2.2.4.54 TypeDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **TypeDescriptorStruct** complex type contains information about a TypeDescriptor.

```
<xs:complexType name="TypeDescriptorStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="associationReferenceEntityName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="associationReferenceEntityNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="associationReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="childrenContainRules" type="xs:boolean"/>
        <xs:element minOccurs="0" name="containsFilterDescriptor" type="xs:boolean"/>
        <xs:element minOccurs="0" name="containsIdentifier" type="xs:boolean"/>
        <xs:element minOccurs="0" name="containsReadOnly" type="xs:boolean"/>
        <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
        <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="flags" type="tns1:TypeDescriptorFlags"/>
        <xs:element minOccurs="0" name="identifierId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="identifierReferenceEntityName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="identifierReferenceEntityNamespace" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="identifierReferenceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="parentTypeDescriptorId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="serializedRules" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

**associationId:** The MetadataObjectId of the Association referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Association** contained by an active Entity, the value of this element

MUST be the **MetadataObjectId** of the referenced **Association**. Otherwise, the value MUST be zero. The value of this element MUST be in the range 0-0x7fffffff.

**associationReferenceEntityName:** The name of the **Entity** that contains the **Association** referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Association** of an **Entity** that is not active, the value MUST be the name of the **Entity** that contains the referenced **Association**. Otherwise, this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1 and at most 255 Unicode characters.

**associationReferenceEntityNamespace:** The namespace of the **Entity** that contains the **Association** referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Association** of an **Entity** that is not active, the value MUST be the namespace of the **Entity** that contains the referenced **Association**. Otherwise, this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1 and at most 255 Unicode characters.

**associationReferenceName:** The name of the **Association** referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Association** of an **Entity** that is not active, the value MUST be the name of the referenced **Association**. Otherwise, this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1 and at most 255 Unicode characters.

**childrenContainRules:** Indicates whether any descendant of the **TypeDescriptor** has rules. The value MUST be set to "true" if any descendant of the **TypeDescriptor** has rules. Otherwise, the value MUST be set to "false".

**containsFilterDescriptor:** Indicates whether the **TypeDescriptor** or any of its descendants has an associated **FilterDescriptor**. This value MUST be set to "true" if the **TypeDescriptor** has an associated **FilterDescriptor** or any of its descendants has an associated **FilterDescriptor**. Otherwise, this value MUST be set to "false".

**containsIdentifier:** Indicates whether the **TypeDescriptor** or any of its descendants references an **Identifier**. This value MUST be set to "true" if the **TypeDescriptor** references an **Identifier** or any of its descendants references an **Identifier**. Otherwise, the value MUST be set to "false".

**containsReadOnly:** Indicates whether the **TypeDescriptor** or any of its descendants has the **ReadOnly** flag set. This value MUST be set to "true" if the **TypeDescriptor** is set to read-only or any of its descendants has the **ReadOnly** flag set. Otherwise, the value MUST be set to "false".

**filterDescriptorId:** The **MetadataObjectId** of the **FilterDescriptor** associated with the **TypeDescriptor**. If a **FilterDescriptor** is associated with the **TypeDescriptor**, the value MUST be the **MetadataObjectId** of the associated **FilterDescriptor**. Otherwise, the value of this element MUST be set to zero. The value of this element MUST be in the range 0-0x7fffffff.

**flags:** The [TypeDescriptorFlags \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel) of the **TypeDescriptor**.

**identifierId:** The **MetadataObjectId** of the **Identifier** referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Identifier** of an active **Entity**, the value MUST be the **MetadataObjectId** of the referenced **Identifier**. Otherwise, the value MUST be set to zero. The value of this element MUST be in the range 0-0x7fffffff. This element MUST be present.

**identifierReferenceEntityName:** The name of the **Entity** that contains the **Identifier** referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Identifier** of an **Entity** that is not active, the value MUST be the name of the **Entity** that contains the referenced **Identifier**. Otherwise, this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1 and at most 255 Unicode characters.

**identifierReferenceEntityNamespace:** The namespace of the **Entity** that contains the **Identifier** referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Identifier** of an **Entity** that is not active, the value MUST be the namespace of the **Entity** that contains the referenced **Identifier**. Otherwise, this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1 and at most 255 Unicode characters.

**identifierReferenceName:** The name of the **Identifier** that is referenced by the **TypeDescriptor**. If the **TypeDescriptor** references an **Identifier** of an **Entity** that is not active, the value MUST be the name of the referenced **Identifier**. Otherwise, this element MUST NOT be present. If the value of this element is not NULL, it MUST have at least 1 and at most 255 Unicode characters.

**lobName:** The name of the data structure that is represented by the **TypeDescriptor**.

**parameterId:** The **MetadataObjectId** of the Parameter that contains the **TypeDescriptor**.

**parentTypeDescriptorId:** The **MetadataObjectId** of the parent **TypeDescriptor** that contains the **TypeDescriptor**. If the **TypeDescriptor** is a root **TypeDescriptor**, the value MUST be set to zero. Otherwise, the value MUST be the **MetadataObjectId** of the parent **TypeDescriptor** that contains the **TypeDescriptor**. The value of this element MUST be in the range 0-0x7ffffff.

**serializedRules:** Rules to apply to the values in the data structure corresponding to the **TypeDescriptor**. If there are no rules to be applied, the value MUST be NULL or the empty string (""). If there are rules to be applied, the value MUST be a rules structure <10>. The following is the ABNF notation as specified in [RFC5234] for the rules structure.

```
rules = rule *( %x00 rule)

rule = convertRule / normalizeRule

convertRule = %x54 fromType HTAB toType CRLF Culture

normalizeRule = %x44 ( local / unspecified / UTC)

UTC = %x42

local = %x43

unspecified = %x44

fromType = AssemblyQualifiedName

toType = AssemblyQualifiedName
```

**Culture:** Implementation-specific <11> name of the culture.

**AssemblyQualifiedName:** The name of the data type of the value qualified with the module that contains it. The format MUST be as follows.

```
AssemblyQualifiedName = TypeName %x2C LibraryIdentifier %x2C VersionProperty %x2C
CultureProperty %x2C PublicKeyTokenProperty
```



**LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** MUST be as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

**TypeName**: The name of the data type of the value<12>. The format is as specified in [\[MS-NRTP\]](#) section 2.2.1.2.

The rules MUST be stored with their order of execution from left to right, where the leftmost rule is executed first. Occurrence of a **convertRule** element indicates that the protocol client MUST interpret this rule as a cast between **fromType** and **toType**. Occurrence of a **normalizeRule** element indicates that the protocol client MUST interpret this rule as converting the time zone of a time value to **Coordinated Universal Time (UTC)** from the time zone specified. The specified time zone values are indicated by values "UTC", "local", and "unspecified", which correspond to **UTC** time zone, local time zone, and UTC time zone without time zone information, respectively.

**typeName**: The implementation-specific identifier for the data type of the data structure that the **TypeDescriptor** represents. The value of this element MUST have at least 1 and at most 255 Unicode characters. The value of this element is mapped to a data type by the implementation-specific module associated with the **Parameter** that contains this **TypeDescriptor**. The module that can perform the mapping MUST be specified as follows:

- If the **Parameter** that contains this **TypeDescriptor** contains a **Property** with name "TypeReflectorTypeName" and type "System.String", the module specified by the identifier represented by the string **Property** value MUST be used for the purpose of mapping the value of the **typeName** element to a data type. The identifier MUST be the **AssemblyQualifiedName** in the following format described with ABNF notation as specified in [\[RFC5234\]](#):

```
AssemblyQualifiedName = TypeName %x2C LibraryIdentifier %x2C VersionProperty %x2C  
CultureProperty %x2C PublicKeyTokenProperty
```

**LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** are as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

**TypeName**: The name of the data type of the value<13>. The format is as specified in [\[MS-NRTP\]](#) section 2.2.1.2.

If the previous condition is not met, and if the **LobSystem** that contains the **DataClass** containing the **Method** of the **Parameter** that contains this **TypeDescriptor** has type specified as "Custom", and if the module associated with the **LobSystem** for the purposes of communicating with the corresponding LOB system, which is identified by the value of the **LobSystem** contained **Property** with name "SystemUtilityTypeName" and type "System.String", the specified module MUST be used for the purpose of mapping the value of the **typeName** element to a data type.

If the previous conditions are not met, an implementation-specific<14> module MUST be used.

## 2.2.4.55 Version

**Namespace**: <http://schemas.datacontract.org/2004/07/System>

The **Version** complex type MUST contain information about the version of a **DataClass**.

```
<xs:complexType name="Version" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:sequence>  
    <xs:element name="_Build" type="xs:int"/>  
  </xs:sequence>  
</xs:complexType>
```

```

    <xs:element name="_Major" type="xs:int"/>
    <xs:element name="_Minor" type="xs:int"/>
    <xs:element name="_Revision" type="xs:int"/>
  </xs:sequence>
</xs:complexType>

```

**\_Build:** The third significant part of the version. This value MUST be non-negative.

**\_Major:** The most significant part of the version. The value MUST be non-negative.

**\_Minor:** The second significant part of the version. The value MUST be non-negative.

**\_Revision:** The fourth and least significant part of the version. The value MUST be non-negative.

## 2.2.5 Simple Types

The following table summarizes the set of common XML schema simple type definitions defined by this specification. XML schema simple type definitions that are specific to a particular operation are described with the operation.

Simple type	Description
CacheUsage	The <b>CacheUsage</b> simple type specifies how the protocol client accesses EntityInstance data to perform create, read, update, and delete operations when this information is not provided explicitly by means that are beyond the scope of this protocol. If the protocol client does not have the capability to cache EntityInstance data, the protocol client MUST ignore this value.
char	The <b>char</b> simple type represents a Unicode character. This type MUST NOT be used by this protocol.
DirectionType	The <b>DirectionType</b> simple type specifies the direction of an argument represented by a Parameter for a line-of-business (LOB) system operation.
duration	The <b>duration</b> simple type represents a duration. This type MUST NOT be used by this protocol.
FilterType	The <b>FilterType</b> simple type specifies the type of the filter represented by the FilterDescriptor.
guid	The <b>guid</b> simple type represents a GUID.
MethodInstanceType	The <b>MethodInstanceType</b> simple type contains information about the type of a MethodInstance.
PackageContents	The <b>PackageContents</b> simple type specifies a subset of the types of data contained by a MetadataModel.
SystemType	The <b>SystemType</b> simple type specifies the type of line-of-business (LOB) system that a LobSystem is representing.
ThrottleScope	The <b>ThrottleScope</b> simple type specifies the type of LobSystem to which a throttle configuration setting is applied.
ThrottleType	The <b>ThrottleType</b> simple type specifies the type of the throttle configuration setting that is used to restrict operations performed on the line-of-business (LOB) system.

Simple type	Description
TypeDescriptorFlags	The <b>TypeDescriptorFlags</b> simple type contains information about the characteristics of the data stored in a data structure represented by a TypeDescriptor.

### 2.2.5.1 CacheUsage

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime

The **CacheUsage** simple type specifies how the protocol client accesses EntityInstance data to perform create, read, update, and delete operations when this information is not provided explicitly by means that are beyond the scope of this protocol. If the protocol client does not have the capability to cache **EntityInstance** data, the protocol client MUST ignore this value.

```
<xs:simpleType name="CacheUsage" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="Online"/>
    <xs:enumeration value="Cached"/>
    <xs:enumeration value="Offline"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for **CacheUsage**.

Value	Meaning
Default	The protocol client MUST make an implementation-specific choice to use any one of the other behaviors listed in this table, based on its capabilities.
Online	The protocol client MUST bypass the <b>EntityInstance</b> data cache for all operations.
Cached	The protocol client MUST use the <b>EntityInstance</b> data cache to perform create, update, and delete operations. If the requested data is available in the <b>EntityInstance</b> data cache, the protocol client MUST use the data in the cache. Otherwise, the protocol client MUST bypass the <b>EntityInstance</b> data cache to obtain the data and put the data in the <b>EntityInstance</b> data cache for later use.
Offline	The protocol client MUST use the <b>EntityInstance</b> data cache to perform create, read, update, and delete operations.

### 2.2.5.2 char

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/

The **char** simple type represents a Unicode character. This type MUST NOT be used by this protocol.

```
<xs:simpleType name="char" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:int"/>
</xs:simpleType>
```

### 2.2.5.3 DirectionType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The **DirectionType** simple type specifies the direction of an argument represented by a Parameter for a line-of-business (LOB) system operation.

```
<xs:simpleType name="DirectionType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="In"/>
    <xs:enumeration value="Out"/>
    <xs:enumeration value="InOut"/>
    <xs:enumeration value="Return"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for **DirectionType**.

Value	Meaning
In	This argument is used to send data to the operation before the operation is executed.
Out	This argument is used to retrieve data from the operation after the operation is finished.
InOut	This argument is used to send data to the operation before the operation is executed and also to retrieve data from the operation after completion.
Return	This argument is the result of the operation.

### 2.2.5.4 duration

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/

The **duration** simple type represents a duration. This type MUST NOT be used by this protocol.

```
<xs:simpleType name="duration" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:duration">
    <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?" />
    <xs:minInclusive value="-P10675199DT2H48M5.4775808S" />
    <xs:maxInclusive value="P10675199DT2H48M5.4775807S" />
  </xs:restriction>
</xs:simpleType>
```

### 2.2.5.5 FilterType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The **FilterType** simple type specifies the type of the filter represented by the FilterDescriptor.

```
<xs:simpleType name="FilterType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Comparison"/>
    <xs:enumeration value="LastId"/>
    <xs:enumeration value="Limit"/>
    <xs:enumeration value="PageNumber"/>
  </xs:restriction>
</xs:simpleType>
```

```

<xs:enumeration value="Password"/>
<xs:enumeration value="SsoTicket"/>
<xs:enumeration value="Timestamp"/>
<xs:enumeration value="UserContext"/>
<xs:enumeration value="Username"/>
<xs:enumeration value="UserProfile"/>
<xs:enumeration value="Wildcard"/>
<xs:enumeration value="Input"/>
<xs:enumeration value="Output"/>
<xs:enumeration value="InputOutput"/>
<xs:enumeration value="Batching"/>
<xs:enumeration value="BatchingTermination"/>
<xs:enumeration value="UserCulture"/>
<xs:enumeration value="ActivityId"/>
<xs:enumeration value="Sorting"/>
</xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for **FilterType**.

Value	Meaning
Comparison	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>ComparisonFilter</b> .
LastId	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>LastIdFilter</b> .
Limit	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>LimitFilter</b> .
PageNumber	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>PageNumberFilter</b> .
Password	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>PasswordCredentialFilter</b> .
SsoTicket	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>SsoTicketFilter</b> .
Timestamp	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>TimeStampFilter</b> .
UserContext	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>UserContextFilter</b> .
Username	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>UsernameCredentialFilter</b> .
UserProfile	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>UserProfileFilter</b> .
Wildcard	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>WildcardFilter</b> .
Input	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as an <b>InputFilter</b> .
Output	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as an

Value	Meaning
	<b>OutputFilter.</b>
InputOutput	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as an <b>InputOutputFilter.</b>
Batching	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>BatchingPositionFilter.</b>
BatchingTermination	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>BatchingTerminationFilter.</b>
UserCulture	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>UserCultureFilter.</b>
ActivityId	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as an <b>ActivityTrackingFilter.</b>
Sorting	Indicates that the protocol client MUST interpret the <b>FilterDescriptor</b> as a <b>SortingFilter.</b>

### 2.2.5.6 guid

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/

The **guid** simple type represents a GUID.

```
<xs:simpleType name="guid" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:pattern value="\{da-fA-F\}{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}"/>
  </xs:restriction>
</xs:simpleType>
```

### 2.2.5.7 MethodInstanceType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The **MethodInstanceType** simple type contains information about the type of a MethodInstance.

```
<xs:simpleType name="MethodInstanceType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Finder"/>
    <xs:enumeration value="SpecificFinder"/>
    <xs:enumeration value="GenericInvoker"/>
    <xs:enumeration value="IdEnumerator"/>
    <xs:enumeration value="Scalar"/>
    <xs:enumeration value="AccessChecker"/>
    <xs:enumeration value="Creator"/>
    <xs:enumeration value="Updater"/>
    <xs:enumeration value="Deleter"/>
    <xs:enumeration value="ChangedIdEnumerator"/>
    <xs:enumeration value="DeletedIdEnumerator"/>
    <xs:enumeration value="AssociationNavigator"/>
    <xs:enumeration value="Associator"/>
    <xs:enumeration value="Disassociator"/>
  </xs:restriction>
</xs:simpleType>
```

```

<xs:enumeration value="StreamAccessor"/>
<xs:enumeration value="BinarySecurityDescriptorAccessor"/>
<xs:enumeration value="BulkSpecificFinder"/>
<xs:enumeration value="BulkAssociatedIdEnumerator"/>
<xs:enumeration value="BulkAssociationNavigator"/>
<xs:enumeration value="BulkIdEnumerator"/>
<xs:enumeration value="EventSubscriber"/>
<xs:enumeration value="EventUnsubscriber"/>
</xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for **MethodInstanceType**.

Value	Meaning
Finder	Indicates that the protocol client MUST interpret the MethodInstance as a <b>Finder</b> .
SpecificFinder	Indicates that the protocol client MUST interpret the MethodInstance as a <b>SpecificFinder</b> . This type of <b>MethodInstance</b> requires an input.
GenericInvoker	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>GenericInvoker</b> .
IdEnumerator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as an <b>IdEnumerator</b> .
Scalar	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>Scalar</b> .
AccessChecker	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as an <b>AccessChecker</b> . This type of <b>MethodInstance</b> requires an input.
Creator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>Creator</b> .
Updater	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as an <b>Updater</b> . This type of <b>MethodInstance</b> requires an input.
Deleter	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>Deleter</b> . This type of <b>MethodInstance</b> requires an input.
ChangedIdEnumerator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>ChangedIdEnumerator</b> . This type of <b>MethodInstance</b> requires an input.
DeletedIdEnumerator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>DeletedIdEnumerator</b> . This type of <b>MethodInstance</b> requires an input.
AssociationNavigator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as an <b>AssociationNavigator</b> . This type of <b>MethodInstance</b> requires an input.
Associator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as an <b>Associator</b> . This type of <b>MethodInstance</b>

Value	Meaning
	requires an input.
Disassociator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>Disassociator</b> . This type of <b>MethodInstance</b> requires an input.
StreamAccessor	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>StreamAccessor</b> . This type of <b>MethodInstance</b> requires an input.
BinarySecurityDescriptorAccessor	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>BinarySecurityDescriptorAccessor</b> . This type of <b>MethodInstance</b> requires an input.
BulkSpecificFinder	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>BulkSpecificFinder</b> . This type of <b>MethodInstance</b> requires an input.
BulkAssociatedIdEnumerator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>BulkAssociatedIdEnumerator</b> . This type of <b>MethodInstance</b> requires an input.
BulkAssociationNavigator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>BulkAssociationNavigator</b> . This type of <b>MethodInstance</b> requires an input.
BulkIdEnumerator	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>BulkIdEnumerator</b> . This type of <b>MethodInstance</b> requires an input.
EventSubscriber	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>EventSubscriber</b> . This type of <b>MethodInstance</b> requires an input.
EventUnsubscriber	Indicates that the protocol client MUST interpret the <b>MethodInstance</b> as a <b>EventUnsubscriber</b> . This type of <b>MethodInstance</b> requires an input.

### 2.2.5.8 PackageContents

**Namespace:** Microsoft.SharePoint.BusinessData

The **PackageContents** simple type specifies a subset of the types of data contained by a **MetadataModel**.

```
<xs:simpleType name="PackageContents" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="Model"/>
        <xs:enumeration value="LocalizedNames"/>
        <xs:enumeration value="Permissions"/>
        <xs:enumeration value="Properties"/>
        <xs:enumeration value="InlineProxies"/>
        <xs:enumeration value="All"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
```



```

    </xs:simpleType>
  </xs:list>
</xs:simpleType>

```

The following table specifies the allowable values for **PackageContents**.

Value	Meaning
None	No data. This value is a composite that indicates that Model, LocalizedNames, Permissions, Properties, and InlineProxies were not specified.
Model	The MetadataObjects contained by the <b>MetadataModel</b> .
LocalizedNames	The localized names corresponding to the <b>MetadataObjects</b> contained by the <b>MetadataModel</b> .
Permissions	The ACEs corresponding to the MetadataObjects contained by the <b>MetadataModel</b> .
Properties	The <b>Properties</b> corresponding to the MetadataObjects contained by the <b>MetadataModel</b> .
InlineProxies	The Business Logic Modules associated with the LobSystems contained by the MetadataModel.
All	The <b>MetadataObjects</b> contained by the <b>MetadataModel</b> , along with their localized names, <b>Properties</b> , and ACEs, in addition to the <b>Business Logic Modules</b> associated with the <b>LobSystems</b> contained by the <b>MetadataModel</b> . This value is a composite that indicates that <b>Model</b> , <b>LocalizedNames</b> , <b>Permissions</b> , <b>Properties</b> , and <b>InlineProxies</b> were all specified.

### 2.2.5.9 SystemType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The **SystemType** simple type specifies the type of line-of-business (LOB) system that a LobSystem is representing.

```

<xs:simpleType name="SystemType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Database"/>
    <xs:enumeration value="WebService"/>
    <xs:enumeration value="Custom"/>
    <xs:enumeration value="Wcf"/>
    <xs:enumeration value="DotNetAssembly"/>
    <xs:enumeration value="OData"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for **SystemType**.

Value	Meaning
Database	The represented line-of-business (LOB) system is a database.
WebService	The represented line-of-business (LOB) system is a <b>Web service</b> .

Value	Meaning
Custom	The represented line-of-business (LOB) system has business logic external to the protocol implementation that manages the connection and data transfer.
Wcf	The represented line-of-business (LOB) system is a service for which the endpoint (4) URI, the binding, and the contract are specified.
DotNetAssembly	The represented line-of-business (LOB) system is a Business Logic Module. <15>
OData	The represented line-of-business (LOB) system is an <b>OData service</b> .

### 2.2.5.10 ThrottleScope

**Namespace:** <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific>

The **ThrottleScope** simple type specifies the type of LobSystem to which a throttle configuration setting is applied.

```
<xs:simpleType name="ThrottleScope" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Global"/>
    <xs:enumeration value="Database"/>
    <xs:enumeration value="WebService"/>
    <xs:enumeration value="Wcf"/>
    <xs:enumeration value="Custom"/>
    <xs:enumeration value="OData"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for **ThrottleScope**.

Value	Meaning
Global	This setting is used globally, independent of the type of the <b>LobSystem</b> .
Database	This setting is used for <b>LobSystems</b> that have a <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel">SystemType (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel)</a> value of "Database".
WebService	This setting is used for <b>LobSystems</b> that have a SystemType (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel</a> ) value of "WebService".
Wcf	The setting is used for <b>LobSystems</b> that have a SystemType (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel</a> ) value of "Wcf".
Custom	This setting is used for <b>LobSystems</b> that have a SystemType (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel</a> ) value of "Custom".
OData	The setting is used for <b>LobSystems</b> that have a SystemType (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel</a> ) value of "OData".

### 2.2.5.11 ThrottleType

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific

The **ThrottleType** simple type specifies the type of the throttle configuration setting that is used to restrict operations performed on the line-of-business (LOB) system.

```
<xs:simpleType name="ThrottleType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None"/>
    <xs:enumeration value="Items"/>
    <xs:enumeration value="Size"/>
    <xs:enumeration value="Connections"/>
    <xs:enumeration value="Timeout"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for **ThrottleType**.

Value	Meaning
None	This throttle configuration setting is not used in any operations. The protocol client MUST ignore throttle configuration settings that have the ThrottleType (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific) attribute set to "None".
Items	This throttle configuration setting is used to restrict the number of items retrieved from the LOB system.
Size	This throttle configuration setting is used to restrict the number of bytes of the data retrieved from the LOB system.
Connections	This throttle configuration setting is used to restrict the number of simultaneous connections opened to the LOB system.
Timeout	This throttle configuration setting is used to restrict the duration of a connection opened to the LOB system.

### 2.2.5.12 TypeDescriptorFlags

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel

The **TypeDescriptorFlags** simple type contains information about the characteristics of the data stored in a data structure represented by a TypeDescriptor.

```
<xs:simpleType name="TypeDescriptorFlags" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="CreatorField"/>
        <xs:enumeration value="UpdaterField"/>
        <xs:enumeration value="PreUpdaterField"/>
        <xs:enumeration value="IsCollection"/>
        <xs:enumeration value="ReadOnly"/>
        <xs:enumeration value="Significant"/>
        <xs:enumeration value="IsSortInput"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
```

```

    </xs:restriction>
  </xs:simpleType>
</xs:list>
</xs:simpleType>

```

The following table specifies the allowable values for **TypeDescriptorFlags**.

Value	Meaning
None	No flags exist.
CreatorField	This <b>TypeDescriptor</b> MUST be considered a field (4) for calling a Creator.
UpdaterField	This <b>TypeDescriptor</b> MUST be considered a field (4) for calling an Updater.
PreUpdaterField	This <b>TypeDescriptor</b> MUST be used to send the latest value received from the line-of-business (LOB) system corresponding to the field (4) with the same name as this <b>TypeDescriptor</b> when calling an <b>Updater</b> .
IsCollection	This <b>TypeDescriptor</b> MUST be interpreted as a collection of data structures.
ReadOnly	The protocol client MUST prevent values in the data structures corresponding to this <b>TypeDescriptor</b> from being modified.
Significant	The protocol client MUST use the values in the data structures corresponding to this <b>TypeDescriptor</b> when comparing values between structures or creating hash codes for comparison. When this flag is not set, the protocol client MUST ignore the values in the data structures corresponding to this <b>TypeDescriptor</b> when comparing values between structures or creating hash codes for comparison.
IsSortInput	This protocol client MUST use the values in the data structure corresponding to this <b>TypeDescriptor</b> as the input for the <b>SortingFilter</b> . When this flag is not set on any <b>TypeDescriptor</b> , the <b>SortingFilter</b> must be ignored.

### 2.2.6 Attributes

This specification does not define any common XML Schema attribute definitions.

### 2.2.7 Groups

This specification does not define any common XML Schema group definitions.

### 2.2.8 Attribute Groups

This specification does not define any common XML Schema attribute group definitions.

## 3 Protocol Details

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL might specify differences that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be **empty**, **null**, or **not present** but the behavior of the protocol as specified restricts the same elements to being **non-empty**, **present**, and **not null**.

The client side of this protocol is simply a pass-through. That is, no additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

Except where specified, protocol clients SHOULD interpret HTTP status codes returned by the protocol server as specified in [\[RFC2616\]](#), section 10, Status Code Definitions.

This protocol enables protocol servers to notify protocol clients of application-level faults by using SOAP faults. Except where specified, these SOAP faults are not significant for interoperability, and protocol clients can interpret them in an implementation-specific manner.

This protocol enables protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults by using either HTTP status codes or SOAP faults as specified previously in this section.

### 3.1 Server Details

All operations consist of a basic request-response pair, and the server treats each request as an independent transaction that is unrelated to any previous request.

In any operation request, the protocol client MAY [<16>](#) request that the protocol server perform additional security checks by including a **SOAP header** with Name "CameThroughRemoteAdminService", Namespace "Bdc", type "Bool", and value "true". The effect of including this header on server behavior is described for each operation in the following sections.

In any operation request, the protocol client MAY [<17>](#) request that the protocol server acknowledge the security principal (1) in whose context it is operating as a privileged user by including a SOAP header with Name "IsTenantAdmin", Namespace "Bdc", type "Bool", and value "true". The protocol server MUST fulfill the request acting as though the privileged user were authorized to edit or set permissions on any MetadataObject required by the operation.

#### 3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

For this protocol, the protocol server maintains lists to store the attributes of each of the following data types:

- **AccessControlEntry**
- **Action**

- **ActionParameter**
- **Association**
- **AssociationGroup**
- **AssociationReference**
- **CacheVersionStamp**
- **DataClass**
- **DefaultValue**
- **Entity**
- **FilterDescriptor**
- **Identifier**
- **LobSystem**
- **LobSystemInstance**
- **LocalizedName**
- **MetadataObject**
- **Method**
- **MethodInstance**
- **Model**
- **Parameter**
- **Property**
- **ThrottleConfigurationSetting**
- **TypeDescriptor**

The implementations of the basic **Create**, **Read**, **Update**, and **Delete** stored procedures insert, read, update, or delete items in each of these lists in which the `MetadataObjectId` serves as the primary identifier.

The containment and reference relationships can be captured through additional lists that store the primary identifiers of the related data types.

The attributes and relationships of the data types are in the following descriptions.

#### **Property**

- Represents a **Property**.
- Has the following attributes: **metadataObjectId**, **name**, **settingId**, and **typeName**.
- No containment or referential relationships.

#### **LocalizedName**

- Represents a localized name.
- Has the following attributes: **Id**, **metadataObjectId**, **settingId**, and **value**.
- No containment or referential relationships.

#### **AccessControlEntry**

- Represents an ACE.
- Has the following attributes: **principalBinaryForm**, **principalDisplayName**, **principalName**, and **rights**.
- No containment or referential relationships.

#### **MetadataObject**

- Represents a MetadataObject.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, and **partitionId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.

#### **Model**

- Represents a Model.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, and **partitionId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- References zero or more DataClasses and zero or more Entities.

#### **LobSystem**

- Represents a LobSystem.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, and **systemType**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, zero or more **DataClasses**, zero or more **Entities**, zero or more LobSystemInstances, and zero or more Business Logic Modules.

#### **LobSystemInstance**

- Represents a **LobSystemInstance**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, and **lobSystemId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- Contained by exactly one **LobSystem**.

#### **DataClass**

- Represents a **DataClass**.

- Has the following attributes: **id**, **name**, **isCached**, **Version**, **objectVersion**, **partitionId**, **active**, **lobSystemId**, **modelId**, and **namespace**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, zero or more Methods, and zero or more MethodInstances.
- Contained by exactly one **LobSystem**.
- At most one **DataClass** or **Entity** is active across all **DataClasses** and **Entities** that have the same name and namespace.

### Entity

- Represents an **Entity**.
- Has the following attributes: **id**, **Name**, **isCached**, **Version**, **objectVersion**, **partitionId**, **active**, **lobSystemId**, **modelId**, **namespace**, **cacheUsage**, **description**, and **estimatedInstanceCount**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, zero or more **Methods**, zero or more **MethodInstances**, zero or more Identifiers, zero or more Actions, and zero or more AssociationGroups.
- Contained by exactly one **LobSystem**.
- References an **Action** as its default **Action**.
- At most one **DataClass** or **Entity** is active across all **DataClasses** and **Entities** that have the same name and namespace.

### Identifier

- Represents an **Identifier**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **entityId**, **ordinalNumber**, and **typeName**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- Contained by exactly one **Entity**.

### Method

- Represents a **Method**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **lobName**, **isStatic**, and **entityId**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, zero or more FilterDescriptors, zero or more Parameters, zero or more **MethodInstances**, and zero or more Associations.
- Contained by either exactly one **Entity** or exactly one **DataClass**.

### MethodInstance

- Represents a **MethodInstance**.



- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **methodId**, **methodInstanceType**, **returnTypeDescriptorId**, and **isDefault**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- References zero or one **TypeDescriptors**.
- Contained by exactly one **Method**.
- Contained by either exactly one **Entity** or exactly one **DataClass**.
- If the **MethodInstance** has a **ReturnPropertyDescriptor**, the **MethodInstance** references the **TypeDescriptor** that corresponds to the **ReturnPropertyDescriptor**. Otherwise, the **MethodInstance** references no **TypeDescriptors**.

#### Association

- Represents an **Association**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **methodId**, **associationGroupId**, **destinationEntityName**, **destinationEntityNamespace**, **sourceEntityNames**, **sourceEntityNamespaces**, **methodInstanceType**, **returnTypeDescriptorId**, and **isDefault**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- References zero or one **TypeDescriptors**.
- References two or more **Entities**.
- Contained by exactly one **Method**.
- Contained by either exactly one **Entity** or exactly one **DataClass**.
- If the **Association** has a **ReturnPropertyDescriptor**, the **Association** references the **TypeDescriptor** that corresponds to the **ReturnPropertyDescriptor**. Otherwise, the **Association** references no **TypeDescriptors**.
- References the **Entity** that corresponds to the destination of the **Association**.
- References the **Entities** that correspond to the sources of the **Association**.
- Does not reference an **Entity** if that **Entity** is not a source or destination for the **Association**.
- The **MethodInstanceType** attribute is set to "AssociationNavigator", "Associator", "Disassociator", "BulkAssociationNavigator", or "BulkAssociatedIdEnumerator".

#### Parameter

- Represents a **Parameter**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **direction**, **partitionId**, **methodId**, **ordinalNumber**, and **rootTypeDescriptorId**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, and zero or more **TypeDescriptors**.
- Contained by exactly one **Method**.

- If the **Parameter** contains one or more **TypeDescriptors**, exactly one **TypeDescriptor** is not contained by any other **TypeDescriptor**. The **TypeDescriptor** that is not contained by any other **TypeDescriptor** corresponds to the root **TypeDescriptor** of the **Parameter**.

### **TypeDescriptor**

- Represents a **TypeDescriptor**.
- Has the following attributes: **id**, **name**, **isCached**, **objectversion**, **partitionId**, **associationId**, **associationReferenceEntityName**, **associationReferenceEntityNamespace**, **associationReferenceName**, **childrenContainRules**, **containsFilterDescriptor**, **containsIdentifier**, **containsReadOnly**, **filterDescriptorId**, **flags**, **identifierId**, **identifierReferenceEntityName**, **identifierReferenceEntityNamespace**, **identifierReferenceName**, **lobName**, **parameterId**, **parentTypeDescriptorId**, **serializedRules**, and **typeName**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, zero or more **TypeDescriptors**, and zero or more **DefaultValues**.
- References zero or one **Identifiers**, zero or one **Associations**, and zero or one **FilterDescriptors**.
- If the **TypeDescriptor** references a **FilterDescriptor**, that **FilterDescriptor** references the **TypeDescriptor**.
- Contained by exactly one **Parameter** and zero or one **TypeDescriptor**.

### **FilterDescriptor**

- Represents a **FilterDescriptor**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **filterField**, **filterType**, and **methodId**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- Contained by exactly one **Method**.
- References one or more **TypeDescriptors**.
- If the **FilterDescriptor** references a **TypeDescriptor**, that **TypeDescriptor** references the **FilterDescriptor**.

### **DefaultValue**

- Represents a **DefaultValue**.
- Has the following attributes: **needsTypeReflectionResolution**, **wcfMarshallableValue**, **wcfMarshallableValueAssemblyQualifiedTypeName**, **wcfMarshallableValueTypeTypeName**, **methodInstanceId**, **methodInstanceName**, and **typeDescriptorId**.
- Contained by exactly one **TypeDescriptor**.

### **AssociationGroup**

- Represents an **AssociationGroup**.

- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **associationEntityNames**, **associationEntityNamespaces**, **entityId**, **associationIds**, and **associationNames**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, and zero or more AssociationReferences.
- Contained by exactly one **Entity**.

#### **AssociationReference**

- Represents an **AssociationReference**.
- Has the following attributes: **\_associationName**, **\_entityName**, **\_entityNamespace**, **associationGroupId**, **associationGroupObjectVersion**, **associationId**, **id**, **isReverse**, and **partitionId**.
- References exactly one **Association**.
- Contained by exactly one **AssociationGroup**.

#### **Action**

- Represents an **Action**.
- Has the following attributes: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **entityId**, **imageUrl**, **isOpenedInNewWindow**, **position**, and **url**.
- Contains zero or more **Properties**, zero or more localized names, zero or more ACEs, and zero or more ActionParameters.
- Contained by exactly one **Entity**.

#### **ActionParameter**

- Represents an **ActionParameter**.
- Has the following elements: **id**, **name**, **isCached**, **objectVersion**, **partitionId**, **actionId**, and **index**.
- Contains zero or more **Properties**, zero or more localized names, and zero or more ACEs.
- Contained by exactly one **Action**.

#### **CacheVersionStamp**

- Has the following attributes: **cacheLine**, **counter**, **partitionId**, and **timestamp**.
- No containment or referential relationships.

#### **ThrottleConfigurationSetting**

- Has the following attributes: **defaultLimit**, **enabled**, **maxLimit**, **proxyId**, **throttleScope**, and **throttleType**.
- No containment or referential relationships.

The permissions that apply to a given object are specified by the ACEs it contains. If the given object does not contain any ACEs, the permission that applies to the object that contains the given

object are used instead. If the given object is not contained by any other objects, then the protocol server can assume implementation-specific set of security principals (1) have necessary permissions on the object.

### 3.1.2 Timers

None.

### 3.1.3 Initialization

None.

### 3.1.4 Message Processing Events and Sequencing Rules

The protocol client is associated with a metadata partition (1), referred to in the following sections as the protocol client metadata partition (1), by using an implementation-specific mechanism.

The definitions of some operations in this section make use of ABNF representation as specified in [\[RFC5234\]](#).

The specifications of the operations in this section identify the conditions under which the protocol server **MUST** respond with corresponding error complex types. In addition, if the protocol server encounters an error specific to its implementation, it **MAY** respond with any fault listed in the WSDL for its operation. If there is a fault listed in the WSDL for an operation but the error table for the operation doesn't contain the fault, the condition under which the fault is returned by the protocol server is implementation-specific. The responses **MUST** be formatted as **SOAP faults**, by using error complex types serialized as specified in section [2.2.4](#). The error complex types are described in the following table.

Error complex type	Condition
<b>ArgumentException</b>	The protocol server encountered an invalid argument value while performing implementation-specific operations.
<b>ArgumentNullException</b>	While performing implementation-specific operations, the protocol server encountered a NULL value for an argument that does not accept NULL values.
<b>ArgumentOutOfRangeException</b>	The protocol server encountered an argument with a value outside the range of acceptable values while performing implementation-specific operations.
<b>BdcExceptionState</b>	The protocol server encountered an unrecoverable error while performing implementation-specific operations, or encountered a violation of constraints on the metadata store.
<b>InvalidOperationException</b>	The protocol server attempted an implementation-specific operation that is invalid for the current state of the protocol server.
<b>MetadataException</b>	The protocol server discovered a violation of a syntactic or semantic constraint on a MetadataModel while performing implementation-specific operations.
<b>PackageFormatExceptionState</b>	In an implementation-specific operation, the protocol server encountered XML that does not conform to the format specified in <a href="#">[MS-BDCMFFS]</a> , or XML conforming to the Business Data Connectivity Model File Format as specified in <a href="#">[MS-BDCMFFS]</a> that has invalid configuration of MetadataObjects or their attributes.

For the following operations, the protocol client MAY<18> specify values for a subset of the elements of the complex types that inherit from the **MethodInstanceStruct** complex type, including **MethodInstanceStruct** itself. The protocol server MUST NOT return a fault for this condition. Unless otherwise specified, the protocol client MUST specify the values of the **Id** and **PartitionId** elements of complex types when used as parameters in the following operations:

- [AddEntityToModel](#)
- [ClearLocalizedNames](#)
- [ClearProperties](#)
- [CopyAclAcrossChildren](#)
- [CopyAclToSetting](#)
- [DeleteNoCascade](#)
- [DeleteProxyAssemblyForLobSystem](#)
- [ExportPackage](#)
- [GetAccessControlEntries](#)
- [GetAllLocalizedNamesForMetadataObjectStruct](#)
- [GetAllPropertiesForMetadataObjectStruct](#)
- [GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor](#)
- [GetFieldTypeDescriptorsByMethodInstance](#)
- [GetLobSystemDataByLobSystem](#)
- [GetTypeReflectorTypeNameForParameter](#)
- [ImportPackage](#)
- [ImportPackageWithProgress](#)
- [MetadataObjectCreate](#)
- [MetadataObjectMergeXml](#)
- [MetadataObjectReadXml](#)
- [MetadataObjectWriteXml](#)
- [ModelReadXml](#)
- [ReadSlicedXml](#)
- [RemoveEntityFromModel](#)
- [RemoveLocalizedName](#)
- [RemoveProperty](#)
- [SaveLocalizedName](#)

- [SaveProperty](#)
- [SetAccessControlEntries](#)
- [SetDefaultActionForEntity](#)
- [TypeDescriptorCreate](#)
- [TypeDescriptorMergeXml](#)
- [TypeDescriptorReadXml](#)

For the operations specified in the following table, if the operation succeeds, the protocol server MUST update the object versions of the corresponding **MetadataObjects** in the metadata store as follows:

- If the object version of the **MetadataObject** is greater than or equal to an implementation-specific maximum value, the object version MUST be set to zero <19>.
- Otherwise, the object version SHOULD <20> be incremented by 1.

Operation	MetadataObjects
<a href="#">Activate</a>	The Entity specified by the <b>entityStruct</b> element.
<a href="#">AddAssociationReferenceToAssociationGroup</a>	The AssociationGroup specified by the <b>associationGroupStruct</b> element.
<a href="#">BulkSwitchActiveOrValidate</a>	The <b>Entities</b> specified by the <b>entityStructs</b> element.
<a href="#">Deactivate</a>	The <b>Entity</b> specified by the <b>entityStruct</b> element.
<a href="#">DeleteAssociationReferenceFromAssociationGroup</a>	The <b>AssociationGroup</b> that contains the AssociationReference specified by the <b>associationReferenceStruct</b> element.
<a href="#">Update</a>	The <b>MetadataObject</b> specified by the <b>metadataObjectStruct</b> element.

The following table summarizes the list of operations as defined by this specification:

Operation	Description
Activate	The <b>Activate</b> operation activates the specified Entity.
AddAssociationReferenceToAssociationGroup	The <b>AddAssociationReferenceToAssociationGroup</b> operation creates the specified AssociationReference in the specified AssociationGroup.
AddEntityToModel	The <b>AddEntityToModel</b> operation adds a reference to the specified Entity to the specified Model.
AddThrottlingRule	The <b>AddThrottlingRule</b> operation adds the specified throttle configuration setting to the metadata store.
BulkSwitchActiveOrValidate	The <b>BulkSwitchActiveOrValidate</b> operation changes the active version of the specified set of Entities or validates the specified <b>Entities</b> for the purpose of changing the active versions and identifying related

Operation	Description
	errors.
CheckPathInMethodInstances	The <b>CheckPathInMethodInstances</b> operation retrieves whether the specified path, which conforms to <a href="#">[MS-BDCMFFS]</a> section 2.1.5.5, corresponds to a TypeDescriptor in a <b>View</b> of the MethodInstances of the specified type contained by the specified DataClass, along with the MetadataObjectId of one such <b>MethodInstance</b> , if one exists.
ClearLocalizedNames	The <b>ClearLocalizedNames</b> operation removes all localized names of the specified MetadataObject from the specified Setting.
ClearProperties	The <b>ClearProperties</b> operation removes all <b>Properties</b> of the specified MetadataObject from the specified Setting.
CopyAclAcrossChildren	<p>The <b>CopyAclAcrossChildren</b> operation clears the ACEs of the descendent MetadataObjects of a specified <b>MetadataObject</b> and copies the ACEs of the specified <b>MetadataObject</b> to the descendent <b>MetadataObjects</b>. A given <b>MetadataObject</b> is a descendent of the specified <b>MetadataObject</b> if the <b>MetadataObject</b> that contains the given <b>MetadataObject</b> is also a descendent of the specified <b>MetadataObject</b> or the <b>MetadataObject</b> is contained by the specified <b>MetadataObject</b>.</p> <p>If the specified <b>MetadataObject</b> is a MetadataCatalog and the CameThroughRemoteAdminService header specified in section <a href="#">3.1</a> is present in the SOAP request, the protocol server <b>MUST NOT</b> change the ACEs of any LobSystem and its descendent <b>MetadataObjects</b> if the security principal (1) in whose context the protocol client is operating is not authorized to edit the <b>LobSystem</b>.</p>
CopyAclAcrossChildrenForSetting	<p>The <b>CopyAclAcrossChildrenForSetting</b> operation clears the ACEs in a specified Setting on the descendent MetadataObjects of the specified <b>MetadataObject</b> and copies the ACEs in the specified <b>Setting</b> on the specified <b>MetadataObject</b> to the descendent <b>MetadataObjects</b>. A given <b>MetadataObject</b> is a descendent of the specified <b>MetadataObject</b> if the <b>MetadataObject</b> that contains the given <b>MetadataObject</b> is also a descendent of the specified <b>MetadataObject</b> or the <b>MetadataObject</b> is contained by the specified <b>MetadataObject</b>.</p> <p>If the specified <b>MetadataObject</b> is a MetadataCatalog and the CameThroughRemoteAdminService header specified in section <a href="#">3.1</a> is present in the SOAP request, the protocol server <b>MUST NOT</b> change the ACEs of any LobSystem and its descendent <b>MetadataObjects</b> if the security principal (1) in whose context the protocol client is operating is not authorized to edit the <b>LobSystem</b>.</p>
CopyAclToSetting	The <b>CopyAclToSetting</b> operation deletes the ACEs in the specified non-default Setting of the specified MetadataObject and copies the ACEs in the default <b>Setting</b> of the specified <b>MetadataObject</b> to the

Operation	Description
	specified <b>Setting</b> of the specified <b>MetadataObject</b> .
Deactivate	The <b>Deactivate</b> operation sets an active version of an Entity to not active.
Delete	The <b>Delete</b> operation deletes the specified MetadataObject.
DeleteAssociationReferenceFromAssociationGroup	The <b>DeleteAssociationReferenceFromAssociationGroup</b> operation removes an AssociationReference from an AssociationGroup by deleting the <b>AssociationReference</b> .
DeleteDefaultValueForTypeDescriptor	The <b>DeleteDefaultValueForTypeDescriptor</b> operation deletes the DefaultValue of the specified TypeDescriptor for the specified MethodInstance.
DeleteNoCascade	The <b>DeleteNoCascade</b> operation deletes the specified MetadataObject without deleting the <b>MetadataObjects</b> it references.
DeleteProxyAssemblyForLobSystem	The <b>DeleteProxyAssemblyForLobSystem</b> operation deletes a Business Logic Module<21> associated with the specified LobSystem.
EntityCreate	The <b>EntityCreate</b> operation creates an Entity in the specified LobSystem. The operation MUST copy ACEs from the specified <b>LobSystem</b> to the created <b>Entity</b> . If a Model is specified, the operation MUST associate the created <b>Entity</b> with the specified <b>Model</b> . Otherwise, the created <b>Entity</b> is not referenced by any <b>Model</b> .
ExportPackage	<p>The <b>ExportPackage</b> operation retrieves an XML representation of the following objects from the metadata store:</p> <ul style="list-style-type: none"> <li>▪ MetadataObjects contained by the specified MetadataModel if "Model" value is set for the <b>packageContents</b> element. The XML MUST conform to the Business Data Connectivity Model file format specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1.</li> <li>▪ Localized names, <b>Properties</b>, and ACEs corresponding to <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b> if "Model" value is not set for the <b>packageContents</b> element. The XML MUST conform to the Business Data Connectivity Model file format specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> </ul> <p>If the <b>CameThroughRemoteAdminService</b> header specified in section <a href="#">3.1</a> is present in the SOAP request, and if the specified <b>MetadataModel</b> contains LobSystems that the security principal (1) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those <b>LobSystems</b>, and MUST NOT contain other <b>MetadataObjects</b> contained by <b>MetadataObjects</b> that are not contained in the</p>



Operation	Description
	result for this reason.
GenerateProxyAssemblyForLobSystem	The <b>GenerateProxyAssemblyForLobSystem</b> operation forces the protocol server to create an implementation-specific Business Logic Module<22> for the specified LobSystem to connect to the LOB system described by the specified <b>LobSystem</b> . If a Business Logic Module is already available for the specified <b>LobSystem</b> , this operation MUST NOT create another Business Logic Module and MUST complete successfully.
GetAccessControlEntries	The <b>GetAccessControlEntries</b> operation retrieves the ACEs for the specified MetadataObject from the specified Setting. If there are no ACEs for the specified <b>MetadataObject</b> from the specified <b>Setting</b> and the value of the <b>fallback</b> element is set to "true", the protocol server MUST retrieve ACEs for the specified <b>MetadataObject</b> from the default <b>Setting</b> .
GetActionById	The <b>GetActionById</b> operation retrieves the specified Action.
GetActionParameterById	The <b>GetActionParameterById</b> operation retrieves the specified ActionParameter.
GetActionParametersForAction	The <b>GetActionParametersForAction</b> operation retrieves the ActionParameters of the specified Action.
GetActionsForEntity	The <b>GetActionsForEntity</b> operation retrieves the Actions of the specified Entity.
GetAllLocalizedNames	The <b>GetAllLocalizedNames</b> operation retrieves all localized names of the specified MetadataObject.
GetAllLocalizedNamesForMetadataObjectStruct	The <b>GetAllLocalizedNamesForMetadataObjectStruct</b> operation retrieves all localized names of the specified MetadataObject for the specified Setting.
GetAllPartitionIds	The <b>GetAllPartitionIds</b> operation retrieves all distinct partition (1) identifiers.
GetAllProperties	The <b>GetAllProperties</b> operation retrieves all <b>Properties</b> of the specified MetadataObject and the specified Setting.
GetAllPropertiesForMetadataObjectStruct	The <b>GetAllPropertiesForMetadataObjectStruct</b> operation retrieves all <b>Properties</b> of the specified MetadataObject from the specified Setting.
GetAssociationById	The <b>GetAssociationById</b> operation retrieves the Association with the specified MetadataObjectId.
GetAssociationGroupById	The <b>GetAssociationGroupById</b> operation retrieves the AssociationGroup with the specified MetadataObjectId.
GetAssociationGroupsForEntity	The <b>GetAssociationGroupsForEntity</b> operation retrieves the AssociationGroups of the Entity with the specified MetadataObjectId.

Operation	Description
GetAssociationMembersInRole	The <b>GetAssociationMembersInRole</b> operation retrieves the source or destination Entities of the specified Association.
GetAssociationReferencesForAssociationGroup	The <b>GetAssociationReferencesForAssociationGroup</b> operation retrieves the AssociationReferences contained by the specified AssociationGroup.
GetAssociationsForDataClass	The <b>GetAssociationsForDataClass</b> operation retrieves the Associations that are contained by the specified DataClass.
GetAssociationsForEntityAndRole	The <b>GetAssociationsForEntityAndRole</b> operation retrieves the Associations that reference the specified Entity as <b>Association</b> source or <b>Association</b> destination.
GetAssociationsForMethod	The <b>GetAssociationsForMethod</b> operation retrieves the Associations that are contained by the specified Method.
GetCacheInvalidationRecordsSince	The <b>GetCacheInvalidationRecordsSince</b> operation retrieves the cache version stamps, as specified in <a href="#">[MS-BDCDPS]</a> section 2.2.2.22, that were modified after the specified time.
GetChildTypeDescriptorsForTypeDescriptor	The <b>GetChildTypeDescriptorsForTypeDescriptor</b> operation retrieves the TypeDescriptors contained by the specified <b>TypeDescriptor</b> .
GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor	The <b>GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</b> operation retrieves the TypeDescriptors that reference Identifiers and are descendents of the specified <b>TypeDescriptor</b> . A <b>TypeDescriptor</b> is a descendent of the specified <b>TypeDescriptor</b> if the <b>TypeDescriptor</b> that contains the <b>TypeDescriptor</b> is also a descendent of the specified <b>TypeDescriptor</b> or the <b>TypeDescriptor</b> is contained by the specified <b>TypeDescriptor</b> .<23>
GetDataClassById	The <b>GetDataClassById</b> operation retrieves the DataClass with the specified MetadataObjectId.
GetDataClassesForSystem	The <b>GetDataClassesForSystem</b> operation retrieves DataClasses contained by the specified LobSystem.
GetDefaultValuesForTypeDescriptor	The <b>GetDefaultValuesForTypeDescriptor</b> operation retrieves the DefaultValues of the specified TypeDescriptor.
GetEntitiesForAssociationAndRole	The <b>GetEntitiesForAssociationAndRole</b> operation retrieves the Entities that perform the role of source or destination for the specified Association.
GetEntitiesForSystem	The <b>GetEntitiesForSystem</b> operation retrieves Entities of the specified LobSystem.
GetEntitiesLikeNameAndNamespace	The <b>GetEntitiesLikeNameAndNamespace</b> operation

Operation	Description
	<p>retrieves the Entities that match the specified wildcard patterns for name and namespace.</p> <p>An <b>Entity</b> matches the pattern specified by <b>wildcardedName</b> if, and only if, <b>wildcardedName</b> matches the name of the <b>Entity</b>, the localized name of the <b>Entity</b> with language code identifier (LCID) set to zero, or the localized name of the <b>Entity</b> with the LCID specified by <b>callerCultureLcid</b>.</p> <p>An <b>Entity</b> matches the pattern specified by <b>wildcardedNamespace</b> if, and only if, <b>wildcardedNamespace</b> matches the namespace of the <b>Entity</b>.</p>
GetEntitiesReferencedByModelId	The <b>GetEntitiesReferencedByModelId</b> operation retrieves Entities that are referenced by the specified Model.
GetEntityById	The <b>GetEntityById</b> operation retrieves the Entity with the specified MetadataObjectId.
GetEntityCount	The <b>GetEntityCount</b> operation retrieves the number of Entities that are contained by the specified LobSystem.
GetEntityNameAndNamespacesForAssociationAnd Role	The <b>GetEntityNameAndNamespacesForAssociationAnd Role</b> operation retrieves the names and namespaces of Entities that are referenced by the specified Association. Only <b>Entities</b> in the specified association role of source or destination are returned.
GetEntityWithNameAndNamespace	The <b>GetEntityWithNameAndNamespace</b> operation retrieves the active Entity with the specified name and namespace in the specified partition (1).
GetEntityWithNameAndNamespaceAndVersion	The <b>GetEntityWithNameAndNamespaceAndVersion</b> operation retrieves the Entity with the specified name, namespace, and version.
GetFieldTypeDescriptorsByMethodInstance	The <b>GetFieldTypeDescriptorsByMethodInstance</b> operation retrieves TypeDescriptors that correspond to fields (4) of the MethodInstance with the specified name in the specified Entity.
GetFilterDescriptorById	The <b>GetFilterDescriptorById</b> operation retrieves the FilterDescriptor with the specified MetadataObjectId.
GetFilterDescriptorsForMethod	The <b>GetFilterDescriptorsForMethod</b> operation retrieves the FilterDescriptors contained by the specified Method.
GetIdentifierById	The <b>GetIdentifierById</b> operation retrieves the Identifier with the specified MetadataObjectId.
GetIdentifiersForEntity	The <b>GetIdentifiersForEntity</b> operation retrieves the Identifiers contained by the specified Entity.
GetImportProgress	The <b>GetImportProgress</b> operation retrieves the progress of an ImportPackageWithProgress operation, using the unique identifier provided by the client at the

Operation	Description
	creation of the import operation.
GetLevelForTypeDescriptor	The <b>GetLevelForTypeDescriptor</b> operation retrieves the depth of the specified TypeDescriptor in the <b>TypeDescriptor</b> tree. The <b>TypeDescriptor</b> tree for a specified <b>TypeDescriptor</b> consists of the specified <b>TypeDescriptor</b> with depth zero. Any <b>TypeDescriptor</b> that is contained by a <b>TypeDescriptor</b> in the <b>TypeDescriptor</b> tree is also in the tree with depth 1, plus the depth of the containing <b>TypeDescriptor</b> .
GetLobSystemAllAssembliesBytes	The <b>GetLobSystemAllAssembliesBytes</b> operation retrieves the Business Logic Modules associated with the specified LobSystem if the <b>systemType</b> element of the specified <b>LobSystem</b> is not set to "Custom". If the <b>systemType</b> element of the specified <b>LobSystem</b> is set to "Custom", the behavior of this operation is implementation-specific<24>.
GetLobSystemById	The <b>GetLobSystemById</b> operation retrieves the LobSystem with the specified MetadataObjectId.
GetLobSystemByName	The <b>GetLobSystemByName</b> operation retrieves the specified LobSystem.
GetLobSystemDataByLobSystem	The <b>GetLobSystemDataByLobSystem</b> operation retrieves Business Logic Modules<25> associated with the specified LobSystem.
GetLobSystemInstanceById	The <b>GetLobSystemInstanceById</b> operation retrieves the LobSystemInstance with the specified MetadataObjectId.
GetLobSystemInstancesForLobSystem	The <b>GetLobSystemInstancesForLobSystem</b> operation retrieves the list of LobSystemInstances of the specified LobSystem. If the CameThroughRemoteAdminService header specified in section 3.1 is present in the SOAP request, only the <b>LobSystemInstances</b> that the security principal (1) in whose context the protocol client is operating is authorized to read<26> that are also contained by the specified <b>LobSystem</b> are retrieved.
GetLobSystemProxyAssemblyBytesByLobSystemId	The <b>GetLobSystemProxyAssemblyBytesByLobSystemId</b> operation retrieves the implementation-specific Business Logic Module<27> associated with the specified LobSystem.
GetLobSystemsLikeName	The <b>GetLobSystemsLikeName</b> operation retrieves the LobSystems that match the specified wildcard pattern. If the CameThroughRemoteAdminService header specified in section 3.1 is present in the SOAP request, only the <b>LobSystems</b> that the security principal (1) in whose context the protocol client is operating is authorized to edit that also match the specified wildcard pattern are retrieved. A <b>LobSystem</b> matches the wildcard pattern specified by <b>searchLikeName</b> if any of the following conditions is

Operation	Description
	<p>true:</p> <ul style="list-style-type: none"> <li>▪ The <b>searchLikeName</b> matches the name of the <b>LobSystem</b>.</li> <li>▪ The <b>searchLikeName</b> matches the localized name of the <b>LobSystem</b> and the <b>LobSystem</b>'s localized name has its language code identifier (LCID) set to zero or set to the <b>LCID</b> specified by <b>callerCultureLcid</b>.</li> </ul>
GetLobSystemsReferencedByEntitiesAssociatedWithModel	<p>The <b>GetLobSystemsReferencedByEntitiesAssociatedWithModel</b> operation retrieves the LobSystems referenced by Entities associated with the specified Model. If the CameThroughRemoteAdminService header specified in section 3.1 is present in the SOAP request, only the <b>LobSystems</b> that the security principal (1) in whose context the protocol client is operating is authorized to read&lt;28&gt; that are also referenced by <b>Entities</b> associated with the specified <b>Model</b> are retrieved.</p>
GetMethodById	<p>The <b>GetMethodById</b> operation retrieves the Method with the specified MetadataObjectId.</p>
GetMethodInstanceById	<p>The <b>GetMethodInstanceById</b> operation retrieves the MethodInstance with the specified MetadataObjectId.</p>
GetMethodInstancesForDataClass	<p>The <b>GetMethodInstancesForDataClass</b> operation retrieves the MethodInstances contained by the Methods contained by the specified DataClass.</p>
GetMethodInstancesForMethod	<p>The <b>GetMethodInstancesForMethod</b> operation retrieves the MethodInstances contained by the specified Method.</p>
GetMethodsForDataClass	<p>The <b>GetMethodsForDataClass</b> operation retrieves the Methods contained by the specified DataClass.</p>
GetModelById	<p>The <b>GetModelById</b> operation retrieves the Model with the specified MetadataObjectId.</p>
GetModelByName	<p>The <b>GetModelByName</b> operation retrieves the specified Model.</p>
GetModelsByEntityId	<p>The <b>GetModelsByEntityId</b> operation retrieves the Models that reference the specified Entity.</p>
GetModelsByName	<p>The <b>GetModelsByName</b> operation retrieves the Models that match the specified wildcard pattern. A <b>Model</b> matches the wildcard pattern specified by <b>wildcardedName</b> if any of the following conditions is true:</p> <ul style="list-style-type: none"> <li>▪ <b>WildcardedName</b> matches the name of the <b>Model</b>.</li> <li>▪ <b>WildcardedName</b> matches the localized name of the <b>Model</b> and the model's localized name has its LCID set to zero or set to the LCID specified by</li> </ul>

Operation	Description
	callerCultureLcid.
GetParameterById	The <b>GetParameterById</b> operation retrieves the Parameter with the specified MetadataObjectId.
GetParametersForMethod	The <b>GetParametersForMethod</b> operation retrieves the Parameters of the specified Method.
GetRootTypeDescriptorForParameter	The <b>GetRootTypeDescriptorForParameter</b> operation retrieves the root TypeDescriptor of the specified Parameter.
GetServiceApplicationId	The <b>GetServiceApplicationId</b> operation retrieves the unique implementation-specific identifier of a metadata store.
GetSystemUtilityTypeNameForLobSystem	The <b>GetSystemUtilityTypeNameForLobSystem</b> operation retrieves the implementation-specific identifier of the module that executes operations in the line-of-business (LOB) system corresponding to the specified LobSystem.
GetThrottlingRules	The <b>GetThrottlingRules</b> operation retrieves all throttle configuration settings used by the protocol server.
GetTypeDescriptorById	The <b>GetTypeDescriptorById</b> operation retrieves the TypeDescriptor with the specified MetadataObjectId.
GetTypeDescriptorsByNameAndLevelForParameter	The <b>GetTypeDescriptorByNameAndLevelForParameter</b> operation SHOULD <a href="#">&lt;29&gt;</a> retrieve the TypeDescriptors with the specified name and level contained by the specified Parameter. The level of a <b>TypeDescriptor</b> is defined as follows: <ul style="list-style-type: none"> <li>▪ The level of the root <b>TypeDescriptor</b> is set to zero ("0").</li> <li>▪ The level of the specified <b>TypeDescriptor</b> is 1 plus the level of the <b>TypeDescriptor</b> containing the specified <b>TypeDescriptor</b>.</li> </ul>
GetTypeDescriptorsForFilterDescriptor	The <b>GetTypeDescriptorsForFilterDescriptor</b> operation retrieves TypeDescriptors referenced by the specified FilterDescriptor.
GetTypeReflectorTypeNameForParameter	The <b>GetTypeReflectorTypeNameForParameter</b> operation retrieves the implementation-specific name of the type of the <b>TypeReflector</b> of the specified Parameter.
GetXmlSchemaForView	The <b>GetXmlSchemaForView</b> operation is obsolete and MUST NOT be used.
HaveRights	The <b>HaveRights</b> operation retrieves whether the security principal (1) in whose context the protocol client is operating has the specified permission on the specified MetadataObject based on the permissions specified by

Operation	Description
	the ACEs in the specified Setting associated with the specified <b>MetadataObject</b> .
ImportPackage	<p>The <b>ImportPackage</b> operation creates the following objects in the metadata store:</p> <ul style="list-style-type: none"> <li>▪ MetadataObjects contained by the specified MetadataModel, along with their <b>Properties</b>, localized names, and ACEs, if the "Model" value is specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML element that conforms to the Business Data Connectivity Model File Format as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. If the MetadataModel contains a LobSystem that has the same name and type as a <b>LobSystem</b> in the metadata store, the <b>LobSystem</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server, along with all LobSystemInstances contained by that <b>LobSystem</b>, along with <b>Properties</b>, localized names, and ACEs of the ignored <b>MetadataObjects</b>. If the <b>MetadataModel</b> contains an Entity that has the same name, namespace, and version as an <b>Entity</b> in the metadata store, and if the names of the <b>LobSystems</b> that contain these <b>Entities</b> are identical, the <b>Entity</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server, along with all <b>MetadataObjects</b> contained by the <b>Entity</b> or other ignored <b>MetadataObjects</b>, and along with the <b>Properties</b>, localized names, and ACEs of the ignored <b>MetadataObjects</b>.</li> <li>▪ Localized names, <b>Properties</b>, and ACEs corresponding to <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b>, if the "Model" value is not specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML element that conforms to the Business Data Connectivity Model File Format as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> </ul>
ImportPackageWithProgress	<p>The <b>ImportPackageWithProgress</b> operation creates the following objects in the metadata store:</p> <ul style="list-style-type: none"> <li>▪ MetadataObjects contained by the specified MetadataModel, along with their <b>Properties</b>, localized names, and ACEs, if the "Model" value is specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML element that conforms to the Business Data Connectivity Model file format specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. If the <b>MetadataModel</b> contains a LobSystem that has the same name and type as a <b>LobSystem</b> in the metadata store, the <b>LobSystem</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server, along with all LobSystemInstances contained by that <b>LobSystem</b> along with <b>Properties</b>, localized names, and ACEs of the ignored <b>MetadataObjects</b>. If the</li> </ul>

Operation	Description
	<p><b>MetadataModel</b> contains an Entity that has the same name, namespace, and version as an <b>Entity</b> in the metadata store, and if the names of the <b>LOBSystems</b> that contain these <b>Entities</b> are identical, the <b>Entity</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server, along with all <b>MetadataObjects</b> contained by the <b>Entity</b> or other ignored <b>MetadataObjects</b>, and along with the <b>Properties</b>, localized names, and ACEs of the ignored <b>MetadataObjects</b>.</p> <ul style="list-style-type: none"> <li>Localized names, <b>Properties</b>, and ACEs corresponding to <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b>, if the "Model" value is not specified for the <b>packageContents</b> element. The <b>MetadataModel</b> MUST be specified as an XML element that conforms to the Business Data Connectivity Model file format specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> </ul> <p>The protocol server MUST track the progress of this operation with the specified identifier. The protocol client can retrieve the progress of this operation by using the <a href="#">GetImportProgress</a> operation with the specified identifier.</p>
IsMethodInstantiated	The <b>IsMethodInstantiated</b> operation checks whether the specified Method contains at least one MethodInstance.
IsParameterReferencedByMethodInstance	The <b>IsParameterReferencedByMethodInstance</b> operation checks whether the specified Parameter contains any TypeDescriptor that is the ReturnPropertyDescriptor of any MethodInstance contained by the Method containing the <b>Parameter</b> .
MetadataObjectCreate	The <b>MetadataObjectCreate</b> operation creates a MetadataObject in the metadata store. If the specified <b>MetadataObject</b> is a MetadataCatalog and another <b>MetadataCatalog</b> with the same partition (1) as the specified <b>MetadataCatalog</b> already exists, this operation MUST NOT change the state of the data in the metadata store <a href="#">&lt;30&gt;</a> .
MetadataObjectMergeXml	<p>The <b>MetadataObjectMergeXml</b> operation merges the <b>Properties</b>, localized names, and ACEs contained by the specified MetadataModel into the existing MetadataObjects in the metadata store. The MetadataModel MUST be specified as a Well-Formed External Parsed Entity according to <a href="#">[XML]</a> section 4.3.2 and MUST have one of the following elements as the root element:</p> <ul style="list-style-type: none"> <li>An Action element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.27.</li> <li>An ActionParameter element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.29.</li> </ul>



Operation	Description
	<ul style="list-style-type: none"> <li>▪ An Association element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.30.</li> <li>▪ An AssociationGroup element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.13.</li> <li>▪ An Entity element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.11.</li> <li>▪ A FilterDescriptor element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.19.</li> <li>▪ An Identifier element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.15.</li> <li>▪ A LobSystem element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.7.</li> <li>▪ A LobSystemInstance element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.9.</li> <li>▪ A Method element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.17.</li> <li>▪ A MethodInstance element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.21.</li> <li>▪ A Model element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.</li> <li>▪ A Parameter element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.23.</li> </ul>
MetadataObjectReadXml	<p>The <b>MetadataObjectReadXml</b> operation creates <b>MetadataObjects</b> in the metadata store, optionally along with their <b>Properties</b>, localized names, and ACEs contained by the specified <b>MetadataModel</b>&lt;31&gt;. This operation creates <b>Properties</b>, localized names, and ACEs for the default Setting. The operation also creates a default localized name for the specified <b>MetadataModel</b>, such that the <b>vlue</b> element, as specified in section <a href="#">2.2.4.41</a>, contains the name of the root element of the specified <b>MetadataModel</b>. If the same <b>MetadataObject</b> exists on the server, the <b>MetadataObjectReadXml</b> operation will ignore the <b>MetadataObject</b> specified in the XML representing the <b>MetadataModel</b> when the <b>MetadataObject</b> contains no properties. The <b>MetadataModel</b> MUST be specified as a Well-Formed External Parsed Entity according to <a href="#">[XML]</a> section 4.3.2 and MUST have one of the following elements as the root element:</p> <ul style="list-style-type: none"> <li>▪ An Action element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.34.</li> <li>▪ An ActionParameter element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.36.</li> <li>▪ An Association element, as specified in <a href="#">[MS-</a></li> </ul>

Operation	Description
	<p><a href="#">BDCMFFS</a> section 2.1.4.37.</p> <ul style="list-style-type: none"> <li>▪ An AssociationGroup element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.13.</li> <li>▪ An Entity element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.11.</li> <li>▪ An Identifier element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.16.</li> <li>▪ A FilterDescriptor element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.20.</li> <li>▪ A LobSystem element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.7.</li> <li>▪ A LobSystemInstance element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.9.</li> <li>▪ A Method element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.18.</li> <li>▪ A MethodInstance element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.22.</li> <li>▪ A Parameter element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.24.</li> </ul>
MetadataObjectWriteXml	<p>The <b>MetadataObjectWriteXml</b> operation is used to retrieve an XML representation of the following objects from the metadata store:</p> <ul style="list-style-type: none"> <li>▪ MetadataObjects contained by the MetadataModel along with their <b>Properties</b>, localized names and ACEs, if "Model" value is specified for the <b>packageContents</b> element. The XML MUST conform to <a href="#">[MS-BDCMFFS]</a> section 2.1.</li> <li>▪ Localized names, <b>Properties</b>, and ACEs corresponding to <b>MetadataObjects</b> contained by the <b>MetadataModel</b>, if "Model" value is not specified for the <b>packageContents</b> element. The XML MUST conform to <a href="#">[MS-BDCMFFS]</a> section 2.2.</li> </ul> <p>The <b>MetadataModel</b> used for this operation MUST contain the specified <b>MetadataObject</b>, and other <b>MetadataObjects</b> that are contained by the <b>MetadataModel</b>; it MUST NOT contain any other <b>MetadataObjects</b>.</p> <p>If the <b>CameThroughRemoteAdminService</b> header specified in section <a href="#">3.1</a> is present in the SOAP request, and if the specified <b>MetadataModel</b> contains LobSystems that the security principal (1) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those <b>LobSystems</b>, and MUST NOT contain other <b>MetadataObjects</b> contained by <b>MetadataObjects</b> that are not contained in the</p>

Operation	Description
	result for this reason.
ModelReadXml	<p>The <b>ModelReadXml</b> operation creates the <b>MetadataObjects</b> contained by the specified <b>MetadataModel</b> in the metadata store. The <b>Properties</b>, localized names, and ACEs of the <b>MetadataObjects</b> are also created. The <b>MetadataModel</b> MUST be specified as XML that conforms to the Business Data Connectivity Model file format specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. If the <b>MetadataModel</b> contains a <b>LobSystem</b> that has the same name and type as a <b>LobSystem</b> in the metadata store, the <b>LobSystem</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server, along with all <b>LobSystemInstances</b> contained by that <b>LobSystem</b> and the <b>Properties</b>, localized names, and ACEs of the ignored <b>MetadataObjects</b>. If the <b>MetadataModel</b> contains an <b>Entity</b> that has the same name, namespace, and version as an <b>Entity</b> in the metadata store and the names of the <b>LobSystems</b> that contain these <b>Entities</b> are identical, the <b>Entity</b> in the <b>MetadataModel</b> MUST be ignored by the protocol server, along with all <b>MetadataObjects</b> contained by the <b>Entity</b> or other ignored <b>MetadataObjects</b> and the <b>Properties</b>, localized names, and ACEs of the ignored <b>MetadataObjects</b>.</p>
ReadSlicedXml	<p>The <b>ReadSlicedXml</b> operation creates the <b>Model</b> or <b>LobSystem</b> and its referenced <b>MetadataObjects</b>, along with the <b>Properties</b>, localized names, and ACEs of the <b>MetadataModel</b> in the metadata store. The <b>MetadataModel</b> is represented as an implementation-specific string. The <b>MetadataModel</b> MUST contain a single <b>Model</b> or <b>LobSystem</b>, along with all contained <b>MetadataObjects</b> and their <b>Properties</b> in all <b>Settings</b>, localized names in all <b>Settings</b>, and ACEs in all <b>Settings</b>. The protocol client typically uses this operation to restore a backed-up <b>Model</b> or <b>LobSystem</b> to a specified partition (1). The <a href="#">WriteSlicedXml</a> operation, as specified in section <a href="#">3.1.4.115</a>, retrieves the <b>string</b> to be used as an input for this operation.</p>
RemoveEntityFromModel	<p>The <b>RemoveEntityFromModel</b> operation removes the reference to the specified <b>Entity</b> from the specified <b>Model</b>.</p>
RemoveLocalizedName	<p>The <b>RemoveLocalizedName</b> operation removes the localized name with the specified <b>LCID</b> from the specified <b>MetadataObject</b>.</p>
RemoveProperty	<p>The <b>RemoveProperty</b> operation removes the specified <b>Property</b> from the specified <b>MetadataObject</b>.</p>
RemoveThrottlingRule	<p>The <b>RemoveThrottlingRule</b> operation deletes the specified throttle configuration setting.</p>
SaveLocalizedName	<p>The <b>SaveLocalizedName</b> operation adds or replaces a localized name for the specified <b>MetadataObject</b>. If a localized name with the same <b>LCID</b> and <b>Setting</b> as the specified <b>LCID</b> and <b>Setting</b> already exists for the</p>

Operation	Description
	specified <b>MetadataObject</b> , the protocol server MUST replace the localized name of the specified <b>MetadataObject</b> with the specified localized name.
SaveProperty	The <b>SaveProperty</b> operation adds or replaces a <b>Property</b> for the specified MetadataObject. If a <b>Property</b> with the same name as the specified <b>Property</b> already exists in the same Setting for the specified <b>MetadataObject</b> , the protocol server MUST replace the <b>Property</b> of the <b>MetadataObject</b> with the specified <b>Property</b> .
SetAccessControlEntries	The <b>SetAccessControlEntries</b> operation sets ACEs for the specified MetadataObject. The protocol server MUST delete all ACEs of the specified <b>MetadataObject</b> for the specified Setting, and then add the specified ACEs to the specified <b>MetadataObject</b> . Note that if the <b>SetAccessControlEntries</b> element, as specified in section <a href="#">3.1.4.107.2.1</a> , contains an <b>accessControlEntries</b> element such that any two of its <b>AccessControlEntryStruct</b> elements contain the same value for the <b>principalName</b> element, the protocol server MUST add only one ACE for that <b>principalName</b> .
SetDefaultActionForEntity	The <b>SetDefaultActionForEntity</b> operation sets the default Action for the specified Entity.
SetDefaultValuesForTypeDescriptor	The <b>SetDefaultValuesForTypeDescriptor</b> operation sets the DefaultValue of the TypeDescriptor with the MetadataObjectId specified by the <b>TypeDescriptorId</b> element of the specified <b>DefaultValueStruct</b> complex type for the MethodInstance, with the <b>MetadataObjectId</b> specified by the <b>methodInstanceId</b> element of the specified <b>DefaultValueStruct</b> .
SetLobSystemDataByLobSystemId	The <b>SetLobSystemDataByLobSystemId</b> operation sets the Business Logic Modules<32> for the specified LobSystem.
TypeDescriptorCreate	The <b>TypeDescriptorCreate</b> operation creates a TypeDescriptor in the metadata store.
TypeDescriptorMergeXml	The <b>TypeDescriptorMergeXml</b> operation merges the <b>Properties</b> and localized names contained by the TypeDescriptors in the specified MetadataModel into an existing <b>TypeDescriptor</b> in the metadata store. The <b>MetadataModel</b> MUST be specified as a well-formed external parsed entity, as specified in <a href="#">[XML]</a> section 4.3.2, and MUST have as a root element the <b>TypeDescriptor</b> element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.24.
TypeDescriptorReadXml	The <b>TypeDescriptorReadXml</b> operation creates the TypeDescriptors contained by the specified MetadataModel, along with their <b>Properties</b> and localized names, in the metadata store. The <b>MetadataModel</b> MUST be specified as a well-formed external parsed entity, as specified in <a href="#">[XML]</a> section

Operation	Description
	4.3.2, and MUST have as a root element the <b>TypeDescriptor</b> element, as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.25.
Update	The <b>Update</b> operation updates a MetadataObject in the metadata store.
WriteSlicedXml	The <b>WriteSlicedXml</b> operation retrieves an implementation-specific string corresponding to the specified LobSystem or Model, <a href="#">&lt;33&gt;</a> along with its included MetadataObjects. This operation can also optionally retrieve the localized names, <b>Properties</b> , and ACEs in all Settings. The protocol client typically uses this operation to back up a <b>Model</b> or an <b>LobSystem</b> in a specified partition (1). The ReadSlicedXml operation, as specified in section <a href="#">3.1.4.100</a> , can be used to restore the <b>Model</b> or <b>LobSystem</b> by specifying the string returned from this operation.

### 3.1.4.1 Activate

The **Activate** operation activates the specified Entity.

```
<wsdl:operation name="Activate" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Activate" message="i0:BusinessDataCatalogSharedService_Activate_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ActivateResponse"
message="i0:BusinessDataCatalogSharedService_Activate_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ActivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Activate_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ActivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ActivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ActivateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Activate_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ActivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_InvalidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_ArgumentNullExceptionFault_FaultMessage
" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Activate_PackageFormatExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_Activate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Activate\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>Entity</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">ConcurrentModificationExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Entity</b> has been updated by a context other than the one by which it was currently being read. This happens when the specified object version is not equal to the current object version of the <b>Entity</b> . For example, this error can be raised when one context reads an <b>Entity</b> , another context updates the same <b>Entity</b> , and then the original context tries to update.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The operation cannot be performed for one of the following reasons: <ul style="list-style-type: none"> <li>▪ The specified <b>Entity</b> or another</li> </ul>

Error complex type	Condition
	<p>version of the specified <b>Entity</b> is already active.</p> <ul style="list-style-type: none"> <li>The protocol server encountered reference errors as specified in section <a href="#">3.1.4.5.3.2</a> when performing this operation.</li> </ul>
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Entity</b> does not exist.

### 3.1.4.1.1 Messages

The following table summarizes the set of **WSDL message** definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_Activate_InputMessage	The request WSDL message for the <b>Activate WSDL operation</b> .
BusinessDataCatalogSharedService_Activate_OutputMessage	The response WSDL message for the <b>Activate WSDL operation</b> .

#### 3.1.4.1.1.1 BusinessDataCatalogSharedService\_Activate\_InputMessage

The request WSDL message for the **Activate** WSDL operation.

The **SOAP action** value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Activate
```

The **SOAP body** contains the **Activate** element.

#### 3.1.4.1.1.2 BusinessDataCatalogSharedService\_Activate\_OutputMessage

The response WSDL message for the **Activate** WSDL operation.

The SOAP body contains the **ActivateResponse** element.

### 3.1.4.1.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
Activate	The input data for the <b>Activate</b> WSDL operation.
ActivateResponse	The result data for the <b>Activate</b> WSDL operation.

### 3.1.4.1.2.1 Activate

The input data for the **Activate** WSDL operation.

```
<xs:element name="Activate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityStruct:** The specified Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.1.2.2 ActivateResponse

The result data for the **Activate** WSDL operation.

```
<xs:element name="ActivateResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ActivateResult" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ActivateResult:** The activated Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.1.3 Complex Types

None.

### 3.1.4.1.4 Simple Types

None.

### 3.1.4.1.5 Attributes

None.

### 3.1.4.1.6 Groups

None.



### 3.1.4.1.7 Attribute Groups

None.

### 3.1.4.2 AddAssociationReferenceToAssociationGroup

The **AddAssociationReferenceToAssociationGroup** operation creates the specified AssociationReference in the specified AssociationGroup.

```
<wsdl:operation name="AddAssociationReferenceToAssociationGroup"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroup"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupResponse"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to edit the Entity containing the specified <b>AssociationGroup</b> .
<a href="#">ConcurrentModificationExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	The specified <b>AssociationGroup</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>AssociationGroup</b> . For example, this error can be raised when one context reads the <b>AssociationGroup</b> , another context updates the same <b>AssociationGroup</b> , and then the original context tries to update.
<a href="#">DuplicateMetadataObjectExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	Another <b>AssociationReference</b> in the specified <b>AssociationGroup</b> references the Association that is referenced by the specified <b>AssociationReference</b> .
<a href="#">ExceededMetadataObjectLimitExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	The specified <b>AssociationGroup</b> already contains the implementation-specific maximum number of <b>AssociationReferences</b> .

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.InvalidOperationException">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The operation cannot be performed because the <b>Entity</b> containing the <b>AssociationGroup</b> is active.

### 3.1.4.2.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputMessage	The request WSDL message for the <b>AddAssociationReferenceToAssociationGroup</b> WSDL operation.
BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_OutputMessage	The response WSDL message for the <b>AddAssociationReferenceToAssociationGroup</b> WSDL operation.

#### 3.1.4.2.1.1

### **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_InputMessage**

The request WSDL message for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroup
```

The SOAP body contains the **AddAssociationReferenceToAssociationGroup** element.

#### 3.1.4.2.1.2

### **BusinessDataCatalogSharedService\_AddAssociationReferenceToAssociationGroup\_OutputMessage**

The response WSDL message for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

The SOAP body contains the **AddAssociationReferenceToAssociationGroupResponse** element.

### 3.1.4.2.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddAssociationReferenceToAssociationGroup	The input data for the <b>AddAssociationReferenceToAssociationGroup</b> WSDL operation.
AddAssociationReferenceToAssociationGroupResponse	The result data for the <b>AddAssociationReferenceToAssociationGroup</b> WSDL operation.

### 3.1.4.2.2.1 AddAssociationReferenceToAssociationGroup

The input data for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

```
<xs:element name="AddAssociationReferenceToAssociationGroup"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationGroupStruct" nillable="true" type="tns6:AssociationGroupStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationReferenceStruct" nillable="true" type="tns6:AssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationGroupStruct:** The AssociationGroup. The partition (1) of this **AssociationGroup** MUST be the partition (1) of the protocol client.

**associationReferenceStruct:** The AssociationReference. The partition (1) of this **AssociationReference** MUST be the partition (1) of the protocol client.

### 3.1.4.2.2.2 AddAssociationReferenceToAssociationGroupResponse

The result data for the **AddAssociationReferenceToAssociationGroup** WSDL operation.

```
<xs:element name="AddAssociationReferenceToAssociationGroupResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="AddAssociationReferenceToAssociationGroupResult" nillable="true"
type="tns6:AssociationGroupStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationReferenceStruct" nillable="true" type="tns6:AssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**AddAssociationReferenceToAssociationGroupResult:** The AssociationGroup. The partition (1) of this **AssociationGroup** MUST be the partition (1) of the protocol client.

**associationReferenceStruct:** The AssociationReference [<34>](#). The partition (1) of this **AssociationReference** MUST be the partition (1) of the protocol client.

### 3.1.4.2.3 Complex Types

None.

### 3.1.4.2.4 Simple Types

None.

### 3.1.4.2.5 Attributes

None.

### 3.1.4.2.6 Groups

None.

### 3.1.4.2.7 Attribute Groups

None.

### 3.1.4.3 AddEntityToModel

The **AddEntityToModel** operation adds a reference to the specified Entity to the specified Model.

```
<wsdl:operation name="AddEntityToModel" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModel"
    message="i0:BusinessDataCatalogSharedService_AddEntityToModel_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModelResponse"
    message="i0:BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModelArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentOutOfRangeExceptionFaul
    t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModelBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_AddEntityToModel_BdcExceptionStateFault_FaultMes
    sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModelInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_AddEntityToModel_InvalidOperationExceptionFault_
    FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModelMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_AddEntityToModel_MetadataExceptionStateFault_Fal
    tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/AddEntityToModelArgumentExceptionFault" name="ArgumentExceptionFault"
```

```

message="i0:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentNullExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_AddEntityToModel\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_AddEntityToModel\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>Model</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The partition (1) of the specified Entity is not the same as the partition (1) of the specified <b>Model</b> .
<b>BdcExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</b>	The specified <b>Entity</b> does not exist.
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified

Error complex type	Condition
	<b>Model</b> does not exist.

### 3.1.4.3.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_AddEntityToModel_InputMessage	The request WSDL message for the <b>AddEntityToModel</b> WSDL operation.
BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage	The response WSDL message for the <b>AddEntityToModel</b> WSDL operation.

#### 3.1.4.3.1.1 BusinessDataCatalogSharedService\_AddEntityToModel\_InputMessage

The request WSDL message for the **AddEntityToModel** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddEntityToModel
```

The SOAP body contains the **AddEntityToModel** element.

#### 3.1.4.3.1.2 BusinessDataCatalogSharedService\_AddEntityToModel\_OutputMessage

The response WSDL message for the **AddEntityToModel** WSDL operation.

The SOAP body contains the **AddEntityToModelResponse** element.

### 3.1.4.3.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddEntityToModel	The input data for the <b>AddEntityToModel</b> WSDL operation.
AddEntityToModelResponse	The result data for the <b>AddEntityToModel</b> WSDL operation.

#### 3.1.4.3.2.1 AddEntityToModel

The input data for the **AddEntityToModel** WSDL operation.

```

<xs:element name="AddEntityToModel" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**modelStruct:** The Model. The partition (1) of this **Model** MUST be the partition (1) of the protocol client.

**entityStruct:** The Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.3.2 AddEntityToModelResponse

The result data for the **AddEntityToModel** WSDL operation.

```

<xs:element name="AddEntityToModelResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>

```

### 3.1.4.3.3 Complex Types

None.

### 3.1.4.3.4 Simple Types

None.

### 3.1.4.3.5 Attributes

None.

### 3.1.4.3.6 Groups

None.

### 3.1.4.3.7 Attribute Groups

None.

### 3.1.4.4 AddThrottlingRule

The **AddThrottlingRule** operation adds the specified throttle configuration setting to the metadata store.

```

<wsdl:operation name="AddThrottlingRule" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">

```



```

<wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRule"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleResponse"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_BdcExceptionStateFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_AccessDeniedExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_ArgumentExceptionFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
          <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_ArgumentNullExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
        </wsdl:fault>
      </wsdl:fault>
    </wsdl:output>
  </wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_AddThrottlingRule\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_AddThrottlingRule\_OutputMessage** response message unless any faults occur.

### 3.1.4.4.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_AddThrottlingRule_InputMessage	The request WSDL message for the <b>AddThrottlingRule</b> WSDL operation.
BusinessDataCatalogSharedService_AddThrottlingRule_OutputMessage	The response WSDL message for the <b>AddThrottlingRule</b> WSDL operation.

#### 3.1.4.4.1.1 BusinessDataCatalogSharedService\_AddThrottlingRule\_InputMessage

The request WSDL message for the **AddThrottlingRule** WSDL operation.

The SOAP action value is:

The SOAP body contains the **AddThrottlingRule** element.

#### 3.1.4.4.1.2

### **BusinessDataCatalogSharedService\_AddThrottlingRule\_OutputMessage**

The response WSDL message for the **AddThrottlingRule** WSDL operation.

The SOAP body contains the **AddThrottlingRuleResponse** element.

#### 3.1.4.4.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddThrottlingRule	The input data for the <b>AddThrottlingRule</b> WSDL operation.
AddThrottlingRuleResponse	The result data for the <b>AddThrottlingRule</b> WSDL operation.

##### 3.1.4.4.2.1 AddThrottlingRule

The input data for the **AddThrottlingRule** WSDL operation.

```
<xs:element name="AddThrottlingRule" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="safetyNetStruct" nillable="true" type="tns6:SafetyNetStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**safetyNetStruct:** The throttle configuration setting to add.

##### 3.1.4.4.2.2 AddThrottlingRuleResponse

The result data for the **AddThrottlingRule** WSDL operation.

```
<xs:element name="AddThrottlingRuleResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

##### 3.1.4.4.3 Complex Types

None.

#### 3.1.4.4.4 Simple Types

None.

#### 3.1.4.4.5 Attributes

None.

#### 3.1.4.4.6 Groups

None.

#### 3.1.4.4.7 Attribute Groups

None.

#### 3.1.4.5 BulkSwitchActiveOrValidate

The **BulkSwitchActiveOrValidate** operation changes the active version of the specified set of Entities or validates the specified **Entities** for the purpose of changing the active versions and identifying related errors.

```
<wsdl:operation name="BulkSwitchActiveOrValidate"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidate"
    message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateResponse"
    message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
  </pre>
```

```

message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentOutOfRangeExc
eptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_MetadataExceptionStat
eFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidatePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_PackageFormatExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The value of the <b>validate</b> element is set to "false", and the security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>Entities</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The partition (1) of the specified Model is different from the partition (1) of any of the specified <b>Entities</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The <b>entityStructs</b> element in the <b>BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage</b> has no elements.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">ConcurrentModificationExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	At least one of the specified <b>Entities</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>Entity</b> . For example, this error can be raised when one context reads the given <b>Entity</b> , after which another context updates the same <b>Entity</b> , and then the original context tries to update the same <b>Entity</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	One or more of the specified <b>Entities</b> does not exist.

### 3.1.4.5.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage	The request WSDL message for the <b>BulkSwitchActiveOrValidate</b> WSDL operation.
BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage	The response WSDL message for the <b>BulkSwitchActiveOrValidate</b> WSDL operation.

### 3.1.4.5.1.1

#### **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_InputMessage**

The request WSDL message for the **BulkSwitchActiveOrValidate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidate
```

The SOAP body contains the **BulkSwitchActiveOrValidate** element.

### 3.1.4.5.1.2

#### **BusinessDataCatalogSharedService\_BulkSwitchActiveOrValidate\_OutputMessage**

The response WSDL message for the **BulkSwitchActiveOrValidate** WSDL operation.

The SOAP body contains the **BulkSwitchActiveOrValidateResponse** element.

### 3.1.4.5.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
BulkSwitchActiveOrValidate	The input data for the <b>BulkSwitchActiveOrValidate</b> WSDL operation.
BulkSwitchActiveOrValidateResponse	The result data for the <b>BulkSwitchActiveOrValidate</b> WSDL operation.

#### 3.1.4.5.2.1 BulkSwitchActiveOrValidate

The input data for the **BulkSwitchActiveOrValidate** WSDL operation.

```
<xs:element name="BulkSwitchActiveOrValidate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="entityStructs" nillable="true" type="tns6:ArrayOfEntityStruct"/>
      <xs:element minOccurs="0" name="validate" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**entityStructs:** The Entities that are to be set active. At least one **Entity** MUST be specified. The partition (1) of each of the **Entities** in this element MUST be the partition (1) of the protocol client. If the value of the **validate** element is set to "false", the protocol server MUST set the specified **Entities** to active upon successful completion of this operation.

**validate:** This element specifies whether the state of the data stored in the protocol server can be changed. If it is set to "false", the protocol server SHOULD change the active versions of the **Entities** [<35>](#). If it is set to "true", the protocol server MUST validate the specified **Entities** and return any associated errors, and the protocol server MUST NOT change the state of the data stored on the protocol server.

**modelStruct:** The Model to which to add the specified **Entities**. The partition (1) of this **Model** MUST be the partition (1) of the protocol client. If the value of this element is not NULL and the value of the **validate** element is set to "false", this operation MUST add all specified **Entities** to the specified **Model** upon successful completion.

### 3.1.4.5.2.2 BulkSwitchActiveOrValidateResponse

The result data for the **BulkSwitchActiveOrValidate** WSDL operation.

```

<xs:element name="BulkSwitchActiveOrValidateResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="BulkSwitchActiveOrValidateResult" nillable="true"
type="tns6:ArrayOfActivationErrorRecordStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStructs" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**BulkSwitchActiveOrValidateResult:** The reference errors encountered during the operation. The operation is successful if this element does not contain any reference errors.

**entityStructs:** This element MUST contain information about Entities that were updated as a result of this operation. The value of this element MUST be ignored by the protocol client if the value of the **validate** element is set to "true". The partition (1) of the **Entities** MUST be the partition (1) of the protocol client.

### 3.1.4.5.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfActivationErrorRecordStruct	Contains reference errors encountered during the operation.
ActivationErrorRecordStruct	Contains information specific to a single reference error.

### 3.1.4.5.3.1 ArrayOfActivationErrorRecordStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfActivationErrorRecordStruct** complex type contains reference errors encountered during the operation.

```
<xs:complexType name="ArrayOfActivationErrorRecordStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ActivationErrorRecordStruct"
nillable="true" type="tns6:ActivationErrorRecordStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ActivationErrorRecordStruct:** A reference error encountered during the operation.

### 3.1.4.5.3.2 ActivationErrorRecordStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ActivationErrorRecordStruct** complex type contains information about a single reference error encountered during the operation. A reference error indicates that a **MetadataObject** has a reference to an invalid **MetadataObject**. The value of the **errorCode** element specifies which **MetadataObject** has an error and the error type.

```
<xs:complexType name="ActivationErrorRecordStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="aGAssociationEntityReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="aGAssociationEntityReferenceNamespace" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="aGAssociationReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="containingAssociationGroupName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="containingEntityName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="containingEntityNamespace" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="containingEntityVersion" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="containingMethodName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="containingParameterName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="containingTypeDescriptorId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="containingTypeDescriptorName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="errorCode" type="xs:int"/>
    <xs:element minOccurs="0" name="tDAssociationEntityReferenceName" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

```

    <xs:element minOccurs="0" name="tDAssociationEntityReferenceNamespace" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="tDAssociationReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="tDIDEntityReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="tDIDEntityReferenceNamespace" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="tDIDReferenceName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="tDIDReferenceTypeName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

**aGAssociationEntityReferenceName:** The name of the Entity containing the Association referenced by the AssociationReference that is in error.

**aGAssociationEntityReferenceNamespace:** The namespace of the Entity containing the Association referenced by the AssociationReference that is in error.

**aGAssociationReferenceName:** The name of the Association referenced by the AssociationReference that is in error.

**containingAssociationGroupName:** The name of the AssociationGroup that is in error or contains the AssociationReference that is in error.

**containingEntityName:** The name of the Entity that is in error or contains the MetadataObject that is in error.

**containingEntityNamespace:** The namespace of the Entity that is in error or contains the MetadataObject that is in error.

**containingEntityVersion:** The string representation of the version of the Entity that is in error or contains the MetadataObject in error. Following is the ABNF, as specified in [\[RFC5234\]](#), for the ContainingEntityVersion structure:

```
ContainingEntityVersion = Major %x2E Minor *1(%x2E Build *1(%x2E Revision))
```

```
Major = 1*10DIGIT
```

```
Minor = 1*10DIGIT
```

```
Build = 1*10DIGIT
```

```
Revision = 1*10DIGIT
```

**Major** MUST be the major version of the Entity. **Minor** MUST be the minor version of the Entity. **Build** MUST be the build version of the Entity. **Revision** MUST be the revision version of the Entity.

**containingMethodName:** The name of the Method that contains the MetadataObject that is in error.

**containingParameterName:** The name of the Parameter that contains the MetadataObject that is in error.

**containingTypeDescriptorId:** The MetadataObjectId of the TypeDescriptor that is in error.

**containingTypeDescriptorName:** The name of the TypeDescriptor that is in error.



**errorCode:** The error code. The following table describes possible values.

Value	Description
-1003	<p>A <b>TypeDescriptor</b> is in error because it references an Identifier that does not exist in the specified <b>Entity</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>containingParameterName</b></li> <li>▪ <b>containingTypeDescriptorName</b></li> <li>▪ <b>containingTypeDescriptorId</b></li> <li>▪ <b>tDIDReferenceName</b></li> <li>▪ <b>tDIDReferenceTypeName</b></li> <li>▪ <b>tDIDEntityReferenceName</b></li> <li>▪ <b>tDIDEntityReferenceNamespace</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-1004	<p>A <b>TypeDescriptor</b> is in error because it references an <b>Association</b> that does not exist in the specified <b>Entity</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>containingParameterName</b></li> <li>▪ <b>containingTypeDescriptorName</b></li> <li>▪ <b>containingTypeDescriptorId</b></li> <li>▪ <b>tDAssociationReferenceName</b></li> <li>▪ <b>tDAssociationEntityReferenceName</b></li> <li>▪ <b>tDAssociationEntityReferenceNamespace</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-1005	<p>An <b>Entity</b> is in error because the <b>TypeDescriptors</b> that are contained in the <b>Parameters</b> of its <b>Methods</b> are referencing only non-empty subset of <b>Identifiers</b> of an active <b>Entity</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> </ul>

Value	Description
	<ul style="list-style-type: none"> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>tDIDEntityReferenceName</b></li> <li>▪ <b>tDIDEntityReferenceNamespace</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-1008	<p>An <b>AssociationReference</b> is in error because it references an <b>Association</b> that does not exist in the specified <b>Entity</b>&lt;36&gt;. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingAssociationGroupName</b></li> <li>▪ <b>aGAssociationReferenceName</b></li> <li>▪ <b>aGAssociationEntityReferenceName</b></li> <li>▪ <b>aGAssociationEntityReferenceNamespace</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-1011	<p>An <b>Association</b> is in error because the <b>Entity</b> containing the <b>Association</b> is not contained by the same LobSystem as the destination <b>Entity</b> of the <b>Association</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>aGAssociationReferenceName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-1012	<p>An <b>Association</b> is in error because all of the conditions in the following list are true:</p> <ul style="list-style-type: none"> <li>▪ The destination <b>Entity</b> of the <b>Association</b> contains MethodInstance, and there exists a <b>TypeDescriptor</b> contained by the <b>Parameter</b> that contains the ReturnPropertyDescriptor of this <b>MethodInstance</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references an <b>Identifier</b> of a source <b>Entity</b> of the <b>Association</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references the <b>Association</b>.</li> <li>▪ The <b>ReturnPropertyDescriptor</b> of the <b>Association</b> has the <b>IsCollection</b> flag not set.</li> </ul> <p>Or, all of the conditions in the following list are true:</p>

Value	Description
	<ul style="list-style-type: none"> <li>▪ The source <b>Entity</b> of the <b>Association</b> contains a <b>MethodInstance</b>, and there exists a <b>TypeDescriptor</b> contained by the <b>Parameter</b> that contains the <b>ReturnPropertyDescriptor</b> of this <b>MethodInstance</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references an <b>Identifier</b> of the destination <b>Entity</b> of the <b>Association</b>.</li> <li>▪ The same <b>TypeDescriptor</b> references the <b>Association</b>.</li> <li>▪ The <b>ReturnPropertyDescriptor</b> of the <b>Association</b> has the <b>IsCollection</b> flag set.</li> </ul> <p>For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>aGAssociationReferenceName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-800	<p>An <b>AssociationGroup</b> is in error because all <b>Associations</b> referenced by the <b>AssociationReferences</b> contained by this <b>AssociationGroup</b> with the <b>IsReverse</b> attribute not set do not have same sources. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingAssociationGroupName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-801	<p>An <b>AssociationGroup</b> is in error because one of the following conditions is true:</p> <ul style="list-style-type: none"> <li>▪ The <b>Entity</b> containing <b>AssociationGroup</b> is not the destination of this <b>AssociationGroup</b>.</li> <li>▪ The <b>AssociationGroup</b> contains <b>AssociationReferences</b> with the <b>IsReverse</b> attribute is "true", but the <b>AssociationGroup</b> has more than one source.</li> </ul> <p>For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingAssociationGroupName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-802	<p>An <b>AssociationGroup</b> is in error because there is more than one <b>Association</b> that is an Associator or a Disassociator referenced from the <b>AssociationReferences</b> of this</p>

Value	Description
	<p><b>AssociationGroup</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingAssociationGroupName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-803	<p>An <b>AssociationGroup</b> is in error because one of the following conditions is met:</p> <ul style="list-style-type: none"> <li>▪ There is more than one <b>Association</b> that is a <b>BulkAssociatedIdEnumerator</b> referenced from the <b>AssociationReferences</b> of this <b>AssociationGroup</b> with the <b>IsReverse</b> attribute is "false" <a href="#">&lt;37&gt;</a>.</li> <li>▪ There are more <b>Associations</b> that are <b>BulkAssociatedIdEnumerators</b> referenced from the <b>AssociationReferences</b> of this <b>AssociationGroup</b> with the <b>IsReverse</b> attribute is "true" than the number of sources of this <b>AssociationGroup</b> <a href="#">&lt;38&gt;</a>.</li> </ul> <p>For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingAssociationGroupName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-804	<p>An <b>AssociationGroup</b> is in error because it contains an <b>AssociationReference</b> that has the <b>IsReverse</b> attribute "true", but the <b>Association</b> it references is not an <b>AssociationNavigator</b>, a <b>BulkAssociationNavigator</b>, or a <b>BulkAssociatedIdEnumerator</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingAssociationGroupName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>
-805	<p>An <b>Association</b> is in error because it is a <b>BulkAssociationNavigator</b> that is referenced from an <b>AssociationReference</b>, but it is not referenced from an <b>AssociationReference</b> that is contained in an <b>AssociationGroup</b> that has another <b>AssociationReference</b> that references an <b>Association</b> that is an <b>AssociationNavigator</b> and has the same value for <b>IsReverse</b>. For this error code, the following MUST NOT be NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> </ul>

Value	Description
	<ul style="list-style-type: none"> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>aGAssociationReferenceName</b></li> <li>▪ <b>containingAssociationGroupName</b></li> </ul>
-806	<p>An <b>Association</b> is in error because it is referenced by two or more <b>AssociationReferences</b>. For this error code, the following MUST NOT be not NULL:</p> <ul style="list-style-type: none"> <li>▪ <b>containingEntityNamespace</b></li> <li>▪ <b>containingEntityName</b></li> <li>▪ <b>containingEntityVersion</b></li> <li>▪ <b>containingMethodName</b></li> <li>▪ <b>aGAssociationReferenceName</b></li> </ul> <p>Values of all other elements MUST be ignored by the protocol client.</p>

**tDAssociationEntityReferenceName:** The name of the **Entity** that contains the **Association** referenced by the **TypeDescriptor** that is in error.

**tDAssociationEntityReferenceNamespace:** The namespace of the **Entity** that contains the **Association** referenced by the **TypeDescriptor** that is in error.

**tDAssociationReferenceName:** The name of the **Association** referenced by the **TypeDescriptor** that is in error.

**tDIDEntityReferenceName:** The name of the **Entity** containing the **Identifier** referenced by the **TypeDescriptor** that is in error.

**tDIDEntityReferenceNamespace:** The namespace of the **Entity** containing the **Identifier** referenced by the **TypeDescriptor** that is in error.

**tDIDReferenceName:** The name of the **Identifier** referenced by the **TypeDescriptor** that is in error.

**tDIDReferenceTypeName:** The name of the data type that is represented by the **TypeDescriptor** that is in error.

#### 3.1.4.5.4 Simple Types

None.

#### 3.1.4.5.5 Attributes

None.

#### 3.1.4.5.6 Groups

None.

### 3.1.4.5.7 Attribute Groups

None.

### 3.1.4.6 CheckPathInMethodInstances

The **CheckPathInMethodInstances** operation retrieves whether the specified path, which conforms to [\[MS-BDCMFFS\]](#) section 2.1.5.5, corresponds to a TypeDescriptor in a View of the MethodInstances of the specified type contained by the specified DataClass, along with the MetadataObjectId of one such **MethodInstance**, if one exists.

```
<wsdl:operation name="CheckPathInMethodInstances"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstances"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesResponse"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstancesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified path did not conform to the specification for TypeDescriptorPathStrings in <a href="#">[MS-BDCMFFS]</a> section 2.1.5.5.
<a href="#">MetadataObjectNotFoundStateException (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>DataClass</b> does not exist.

### 3.1.4.6.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage	The request WSDL message for the <b>CheckPathInMethodInstances</b> WSDL operation.
BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage	The response WSDL message for the <b>CheckPathInMethodInstances</b> WSDL operation.

#### 3.1.4.6.1.1

### **BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_InputMessage**

The request WSDL message for the **CheckPathInMethodInstances** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CheckPathInMethodInstances>

The SOAP body contains the **CheckPathInMethodInstances** element.

#### 3.1.4.6.1.2

### **BusinessDataCatalogSharedService\_CheckPathInMethodInstances\_OutputMessage**

The response WSDL message for the **CheckPathInMethodInstances** WSDL operation.

The SOAP body contains the **CheckPathInMethodInstancesResponse** element.

### 3.1.4.6.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CheckPathInMethodInstances	The input data for the <b>CheckPathInMethodInstances</b> WSDL operation.
CheckPathInMethodInstancesResponse	The result data for the <b>CheckPathInMethodInstances</b> WSDL operation.

### 3.1.4.6.2.1 CheckPathInMethodInstances

The input data for the **CheckPathInMethodInstances** WSDL operation.

```
<xs:element name="CheckPathInMethodInstances" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="dottedPath" nillable="true" type="xs:string"/>
      <xs:element
        xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
        minOccurs="0" name="type" type="tns1:MethodInstanceType"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId of DataClass that contains the MethodInstances.

**dottedPath:** The path to the TypeDescriptor from the **TypeDescriptors** contained by the ReturnTypeDescriptor of the **MethodInstance**. The value MUST be a path as specified in [\[MS-BDCMFFS\]](#) section 2.1.5.5.

**type:** The type of the **MethodInstance** to retrieve.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.6.2.2 CheckPathInMethodInstancesResponse

The result data for the **CheckPathInMethodInstances** WSDL operation.

```
<xs:element name="CheckPathInMethodInstancesResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="CheckPathInMethodInstancesResult" type="xs:boolean"/>
      <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**CheckPathInMethodInstancesResult:** If **methodInstanceId** is zero, the value MUST be "false". Otherwise, the value MUST be "true".

**methodInstanceId:** The value MUST be the MetadataObjectId of any of the MethodInstances of the specified type contained by the specified DataClass that has a TypeDescriptor in its View



corresponding to the specified path. If the specified **DataClass** contains more than one **MethodInstance** that matches the criteria, which of those **MethodInstances** is returned is determined in an implementation-specific manner. If the specified **DataClass** does not contain a **MethodInstance** that matches the criteria, the value MUST be 0.

### 3.1.4.6.3 Complex Types

None.

### 3.1.4.6.4 Simple Types

None.

### 3.1.4.6.5 Attributes

None.

### 3.1.4.6.6 Groups

None.

### 3.1.4.6.7 Attribute Groups

None.

### 3.1.4.7 ClearLocalizedNames

The **ClearLocalizedNames** operation removes all localized names of the specified **MetadataObject** from the specified **Setting**.

```
<wsdl:operation name="ClearLocalizedNames" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNames"
    message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesResponse"
    message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_InvalidOperationExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentExceptionFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentNullExceptionFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ClearLocalizedNames\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ClearLocalizedNames\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.7.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage	The request WSDL message for the <b>ClearLocalizedNames</b> WSDL operation.
BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage	The response WSDL message for the <b>ClearLocalizedNames</b>

Message	Description
	WSDL operation.

### 3.1.4.7.1.1

#### BusinessDataCatalogSharedService\_ClearLocalizedNames\_InputMessage

The request WSDL message for the **ClearLocalizedNames** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNames
```

The SOAP body contains the **ClearLocalizedNames** element.

### 3.1.4.7.1.2

#### BusinessDataCatalogSharedService\_ClearLocalizedNames\_OutputMessage

The response WSDL message for the **ClearLocalizedNames** WSDL operation.

The SOAP body contains the **ClearLocalizedNamesResponse** element.

### 3.1.4.7.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ClearLocalizedNames	The input data for the <b>ClearLocalizedNames</b> WSDL operation.
ClearLocalizedNamesResponse	The result data for the <b>ClearLocalizedNames</b> WSDL operation.

#### 3.1.4.7.2.1 ClearLocalizedNames

The input data for the **ClearLocalizedNames** WSDL operation.

```
<xs:element name="ClearLocalizedNames" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject from which the localized names are to be removed. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**settingId:** The Setting from which to delete the localized names.

### 3.1.4.7.2 ClearLocalizedNamesResponse

The result data for the **ClearLocalizedNames** WSDL operation.

```
<xs:element name="ClearLocalizedNamesResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.7.3 Complex Types

None.

### 3.1.4.7.4 Simple Types

None.

### 3.1.4.7.5 Attributes

None.

### 3.1.4.7.6 Groups

None.

### 3.1.4.7.7 Attribute Groups

None.

### 3.1.4.8 ClearProperties

The **ClearProperties** operation removes all **Properties** of the specified MetadataObject from the specified Setting.

```
<wsdl:operation name="ClearProperties" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearProperties"
    message="i0:BusinessDataCatalogSharedService_ClearProperties_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearPropertiesResponse"
    message="i0:BusinessDataCatalogSharedService_ClearProperties_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ClearProperties_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearPropertiesInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ClearProperties_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_MetadataExceptionStateFault_Fault
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_ArgumentExceptionFault_FaultMess
age" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_ArgumentNullExceptionFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_ArgumentOutOfRangeExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ClearProperties\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ClearProperties\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.8.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ClearProperties_InputMessage	The request WSDL message for the <b>ClearProperties</b> WSDL operation.

Message	Description
BusinessDataCatalogSharedService_ClearProperties_OutputMessage	The response WSDL message for the <b>ClearProperties</b> WSDL operation.

### 3.1.4.8.1.1 BusinessDataCatalogSharedService\_ClearProperties\_InputMessage

The request WSDL message for the **ClearProperties** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearProperties
```

The SOAP body contains the **ClearProperties** element.

### 3.1.4.8.1.2 BusinessDataCatalogSharedService\_ClearProperties\_OutputMessage

The response WSDL message for the **ClearProperties** WSDL operation.

The SOAP body contains the **ClearPropertiesResponse** element.

### 3.1.4.8.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ClearProperties	The input data for the <b>ClearProperties</b> WSDL operation.
ClearPropertiesResponse	The result data for the <b>ClearProperties</b> WSDL operation.

#### 3.1.4.8.2.1 ClearProperties

The input data for the **ClearProperties** WSDL operation.

```
<xs:element name="ClearProperties" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The **MetadataObject** from which the **Properties** are to be removed. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**settingId:** The **Setting** from which to delete the **Properties**.

### 3.1.4.8.2 ClearPropertiesResponse

The result data for the **ClearProperties** WSDL operation.

```
<xs:element name="ClearPropertiesResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.8.3 Complex Types

None.

### 3.1.4.8.4 Simple Types

None.

### 3.1.4.8.5 Attributes

None.

### 3.1.4.8.6 Groups

None.

### 3.1.4.8.7 Attribute Groups

None.

### 3.1.4.9 CopyAclAcrossChildren

The **CopyAclAcrossChildren** operation clears the ACEs of the descendent **MetadataObjects** of a specified **MetadataObject** and copies the ACEs of the specified **MetadataObject** to the descendent **MetadataObjects**. A given **MetadataObject** is a descendent of the specified **MetadataObject** if the **MetadataObject** that contains the given **MetadataObject** is also a descendent of the specified **MetadataObject** or the **MetadataObject** is contained by the specified **MetadataObject**.

If the specified **MetadataObject** is a **MetadataCatalog** and the **CameThroughRemoteAdminService** header specified in section 3.1 is present in the SOAP request, the protocol server MUST NOT change the ACEs of any **LobSystem** and its descendent **MetadataObjects** if the security principal (1) in whose context the protocol client is operating is not authorized to edit the **LobSystem**.

```
<wsdl:operation name="CopyAclAcrossChildren" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildren"
    message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenResponse"
    message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_MetadataExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_BdcExceptionStateFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InvalidOperationExceptionF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentNullExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentOutOfRangeExceptionEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to set permissions on the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The <b>MetadataObjectId</b> of the specified



Error complex type	Condition
	<b>MetadataObject</b> is set to zero.
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.9.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage	The request WSDL message for the <b>CopyAclAcrossChildren</b> WSDL operation.
BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage	The response WSDL message for the <b>CopyAclAcrossChildren</b> WSDL operation.

#### 3.1.4.9.1.1

#### **BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_InputMessage**

The request WSDL message for the **CopyAclAcrossChildren** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildren
```

The SOAP body contains the **CopyAclAcrossChildren** element.

#### 3.1.4.9.1.2

#### **BusinessDataCatalogSharedService\_CopyAclAcrossChildren\_OutputMessage**

The response WSDL message for the **CopyAclAcrossChildren** WSDL operation.

The SOAP body contains the **CopyAclAcrossChildrenResponse** element.

### 3.1.4.9.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CopyAclAcrossChildren	The input data for the <b>CopyAclAcrossChildren</b> WSDL operation.
CopyAclAcrossChildrenResponse	The result data for the <b>CopyAclAcrossChildren</b> WSDL operation.

### 3.1.4.9.2.1 CopyAclAcrossChildren

The input data for the **CopyAclAcrossChildren** WSDL operation.

```
<xs:element name="CopyAclAcrossChildren" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

### 3.1.4.9.2.2 CopyAclAcrossChildrenResponse

The result data for the **CopyAclAcrossChildren** WSDL operation.

```
<xs:element name="CopyAclAcrossChildrenResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.9.3 Complex Types

None.

### 3.1.4.9.4 Simple Types

None.

### 3.1.4.9.5 Attributes

None.

### 3.1.4.9.6 Groups

None.

### 3.1.4.9.7 Attribute Groups

None.

### 3.1.4.10 CopyAclAcrossChildrenForSetting

The **CopyAclAcrossChildrenForSetting** operation clears the ACEs in a specified Setting on the descendent MetadataObjects of the specified **MetadataObject** and copies the ACEs in the specified **Setting** on the specified **MetadataObject** to the descendent **MetadataObjects**. A given **MetadataObject** is a descendent of the specified **MetadataObject** if the **MetadataObject** that contains the given **MetadataObject** is also a descendent of the specified **MetadataObject** or the **MetadataObject** is contained by the specified **MetadataObject**.

If the specified **MetadataObject** is a **MetadataCatalog** and the **CameThroughRemoteAdminService** header specified in section 3.1 is present in the SOAP request, the protocol server MUST NOT change the ACEs of any **LobSystem** and its descendent **MetadataObjects** if the security principal (1) in whose context the protocol client is operating is not authorized to edit the **LobSystem**.

```
<wsdl:operation name="CopyAclAcrossChildrenForSetting"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSetting"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingResponse"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_BdcExceptionStat
eFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_MetadataExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentNullExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentOutOfRan
geExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to set permissions on the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The <b>MetadataObjectId</b> of the specified <b>MetadataObject</b> is set to zero.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <i>MetadataObject</i> does not exist.

### 3.1.4.10.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage	The request WSDL message for the <b>CopyAclAcrossChildrenForSetting</b> WSDL operation.
BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage	The response WSDL message for the <b>CopyAclAcrossChildrenForSetting</b> WSDL operation.

#### 3.1.4.10.1.1

### BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_InputMessage

The request WSDL message for the **CopyAclAcrossChildrenForSetting** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclAcrossChildrenForSetting>

The SOAP body contains the **CopyAclAcrossChildrenForSetting** element.

### 3.1.4.10.1.2

#### BusinessDataCatalogSharedService\_CopyAclAcrossChildrenForSetting\_OutputMessage

The response WSDL message for the **CopyAclAcrossChildrenForSetting** WSDL operation.

The SOAP body contains the **CopyAclAcrossChildrenForSettingResponse** element.

### 3.1.4.10.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CopyAclAcrossChildrenForSetting	The input data for the <b>CopyAclAcrossChildrenForSetting</b> WSDL operation.
CopyAclAcrossChildrenForSettingResponse	The result data for the <b>CopyAclAcrossChildrenForSetting</b> WSDL operation.

#### 3.1.4.10.2.1 CopyAclAcrossChildrenForSetting

The input data for the **CopyAclAcrossChildrenForSetting** WSDL operation.

```
<xs:element name="CopyAclAcrossChildrenForSetting"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**settingId:** The Setting to copy the ACEs to and from.

#### 3.1.4.10.2.2 CopyAclAcrossChildrenForSettingResponse

The result data for the **CopyAclAcrossChildrenForSetting** WSDL operation.

```
<xs:element name="CopyAclAcrossChildrenForSettingResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.10.3 Complex Types

None.

### 3.1.4.10.4 Simple Types

None.

### 3.1.4.10.5 Attributes

None.

### 3.1.4.10.6 Groups

None.

### 3.1.4.10.7 Attribute Groups

None.

### 3.1.4.11 CopyAclToSetting

The **CopyAclToSetting** operation deletes the ACEs in the specified non-default Setting of the specified MetadataObject and copies the ACEs in the default **Setting** of the specified **MetadataObject** to the specified **Setting** of the specified **MetadataObject**.

```
<wsdl:operation name="CopyAclToSetting" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSetting"
    message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingResponse"
    message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSettingInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentNullExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_CopyAclToSetting\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_CopyAclToSetting\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to set permissions on the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the specified <b>MetadataObject</b> is set to zero.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist in the metadata store.

### 3.1.4.11.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage	The request WSDL message for the <b>CopyAclToSetting</b> WSDL operation.
BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage	The response WSDL message for

Message	Description
	the <b>CopyAclToSetting</b> WSDL operation.

### 3.1.4.11.1.1

#### BusinessDataCatalogSharedService\_CopyAclToSetting\_InputMessage

The request WSDL message for the **CopyAclToSetting** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/CopyAclToSetting
```

The SOAP body contains the **CopyAclToSetting** element.

### 3.1.4.11.1.2

#### BusinessDataCatalogSharedService\_CopyAclToSetting\_OutputMessage

The response WSDL message for the **CopyAclToSetting** WSDL operation.

The SOAP body contains the **CopyAclToSettingResponse** element.

### 3.1.4.11.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
CopyAclToSetting	The input data for the <b>CopyAclToSetting</b> WSDL operation.
CopyAclToSettingResponse	The result data for the <b>CopyAclToSetting</b> WSDL operation.

#### 3.1.4.11.2.1 CopyAclToSetting

The input data for the **CopyAclToSetting** WSDL operation.

```
<xs:element name="CopyAclToSetting" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this element MUST be the partition (1) of the protocol client.

**settingId:** The Setting to which to write the ACEs.



### 3.1.4.11.2 CopyAclToSettingResponse

The result data for the **CopyAclToSetting** WSDL operation.

```
<xs:element name="CopyAclToSettingResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.11.3 Complex Types

None.

### 3.1.4.11.4 Simple Types

None.

### 3.1.4.11.5 Attributes

None.

### 3.1.4.11.6 Groups

None.

### 3.1.4.11.7 Attribute Groups

None.

### 3.1.4.12 Deactivate

The **Deactivate** operation sets an active version of an Entity to not active.

```
<wsdl:operation name="Deactivate" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Deactivate" message="i0:BusinessDataCatalogSharedService_Deactivate_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateResponse"
    message="i0:BusinessDataCatalogSharedService_Deactivate_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Deactivate_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_Deactivate_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
```

```

message="i0:BusinessDataCatalogSharedService_Deactivate_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeactivateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_Deactivate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Deactivate\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>Entity</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">ConcurrentModificationExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Entity</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>Entity</b> . For example, this error can be raised when a thread reads the given <b>Entity</b> , another thread updates the same <b>Entity</b> , and

Error complex type	Condition
	then the original thread tries to update.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	This operation cannot be performed because the protocol server encountered reference errors, as specified in section <a href="#">3.1.4.5.3.2</a> , when performing this operation.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	This operation cannot be performed because the specified <b>Entity</b> is not active.
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Entity</b> does not exist.

### 3.1.4.12.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_Deactivate_InputMessage	The request WSDL message for the <b>Deactivate</b> WSDL operation.
BusinessDataCatalogSharedService_Deactivate_OutputMessage	The response WSDL message for the <b>Deactivate</b> WSDL operation.

#### 3.1.4.12.1.1 BusinessDataCatalogSharedService\_Deactivate\_InputMessage

The request WSDL message for the **Deactivate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Deactivate
```

The SOAP body contains the **Deactivate** element.

#### 3.1.4.12.1.2 BusinessDataCatalogSharedService\_Deactivate\_OutputMessage

The response WSDL message for the **Deactivate** WSDL operation.

The SOAP body contains the **DeactivateResponse** element.

### 3.1.4.12.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
Deactivate	The input data for the <b>Deactivate</b> WSDL operation.
DeactivateResponse	The result data for the <b>Deactivate</b> WSDL operation.

#### 3.1.4.12.2.1 Deactivate

The input data for the **Deactivate** WSDL operation.

```
<xs:element name="Deactivate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityStruct:** The Entity to set to not active. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

#### 3.1.4.12.2.2 DeactivateResponse

The result data for the **Deactivate** WSDL operation.

```
<xs:element name="DeactivateResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="DeactivateResult" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**DeactivateResult:** The Entity that was set to not active as a result of this operation. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

#### 3.1.4.12.3 Complex Types

None.

#### 3.1.4.12.4 Simple Types

None.

#### 3.1.4.12.5 Attributes

None.

### 3.1.4.12.6 Groups

None.

### 3.1.4.12.7 Attribute Groups

None.

### 3.1.4.13 Delete

The **Delete** operation deletes the specified **MetadataObject**.

```
<wsdl:operation name="Delete" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Delete" message="i0:BusinessDataCatalogSharedService_Delete_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteResponse" message="i0:BusinessDataCatalogSharedService_Delete_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_Delete_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Delete_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_Delete_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Delete_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Delete_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Delete_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_Delete\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Delete\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section

2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	<p>The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b>, or the specified <b>MetadataObject</b> is a Model and the security principal (1) in whose context the protocol client is operating is not authorized to modify one or more of the LobSystems that contain one or more Entity referenced by the specified <b>Model</b>.</p>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">ConcurrentModificationExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	<p>The specified <b>MetadataObject</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>MetadataObject</b>. For example, this error can be raised when one context reads the given <b>MetadataObject</b>, another context updates the same <b>MetadataObject</b>, and then the original context tries to update the same <b>MetadataObject</b>.</p>
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	<p>The operation cannot be performed because the specified <b>MetadataObject</b> is an <b>Entity</b>, which, if active, MUST be deactivated before being deleted. An attempt was made by the server to deactivate the <b>Entity</b>,</p>

Error complex type	Condition
	but, at the time of the attempt, the <b>Entity</b> was no longer active.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The operation cannot be performed because the specified <b>MetadataObject</b> is a FilterDescriptor of type TimeStampFilter and is currently used in a MethodInstance of type ChangedIdEnumerator or DeletedIdEnumerator.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObject</b> is a <b>LobSystem</b> that contains at least one <b>Entity</b> .
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The operation cannot be performed because the specified <b>MetadataObject</b> is a TypeDescriptor and there is already at least one <b>MethodInstance</b> whose ReturnPropertyDescriptor is the specified <b>TypeDescriptor</b> .
<a href="http://schemas.datacontract.org/2004/07/System">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">Microsoft.SharePoint.BusinessData</a> )	The specified <b>MetadataObject</b> does not exist.

**Properties** that are child objects of the specified **MetadataObject** MUST also be deleted. If the **MetadataObjectStruct** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to deleting the specified **MetadataObject** from the metadata store.

MetadataObject	Action
Action	Delete all ActionParameters in the specified Action.
Entity	Delete all <b>Action</b> , Method, Identifier, and AssociationGroups that are child objects of the specified <b>Entity</b> , as well as all their child objects, in a recursive manner. If the <b>LobSystem</b> that is the parent of this <b>Entity</b> contains no other <b>Entities</b> , also delete the <b>LobSystem</b> , as well as all the <b>MetadataObjects</b> contained by the <b>LobSystem</b> in a recursive manner.
LobSystem	Delete all LobSystemInstances that are child objects of the specified <b>LobSystem</b> .
Method	Delete all MethodInstance, FilterDescriptor, and Parameters that are child objects of

MetadataObject	Action
	the specified <b>Method</b> , as well as all their child objects, in a recursive manner. <39>
<b>Model</b>	Delete all <b>LobSystems</b> and <b>Entities</b> that are referenced by the specified <b>Model</b> , as well as all their child objects, in a recursive manner.
<b>Parameter</b>	Delete the root <b>TypeDescriptor</b> of the specified <b>Parameter</b> , as well as all the child objects of the root <b>TypeDescriptor</b> , in a recursive manner. <40> If there are several parameters that exist in the same method, and one of the parameters is deleted, then the <b>objectVersion</b> of the other parameters are incremented by 1, and the <b>ordinalNumber</b> of the other parameters are changed according to the following rules: <ol style="list-style-type: none"> <li>1. If the parameter is deleted, the <b>ordinalNumber</b> value of the parameters whose <b>ordinalNumber</b> values are greater than this parameter are subtracted by 1.</li> <li>2. If the parameter is deleted, the <b>ordinalNumber</b> value of the parameters whose <b>ordinalNumber</b> values are less than this parameter are not changed.</li> </ol>
<b>TypeDescriptor</b>	Delete all the <b>TypeDescriptors</b> that are child objects of the specified <b>TypeDescriptor</b> , as well as all their child objects, in a recursive manner.

### 3.1.4.13.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_Delete_InputMessage	The request WSDL message for the <b>Delete</b> WSDL operation.
BusinessDataCatalogSharedService_Delete_OutputMessage	The response WSDL message for the <b>Delete</b> WSDL operation.

#### 3.1.4.13.1.1 BusinessDataCatalogSharedService\_Delete\_InputMessage

The request WSDL message for the **Delete** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Delete
```

The SOAP body contains the **Delete** element.

#### 3.1.4.13.1.2 BusinessDataCatalogSharedService\_Delete\_OutputMessage

The response WSDL message for the **Delete** WSDL operation.

The SOAP body contains the **DeleteResponse** element.

### 3.1.4.13.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.



Element	Description
Delete	The input data for the <b>Delete</b> WSDL operation.
DeleteResponse	The result data for the <b>Delete</b> WSDL operation.

### 3.1.4.13.2.1 Delete

The input data for the **Delete** WSDL operation.

```
<xs:element name="Delete" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject that this operation MUST delete. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

### 3.1.4.13.2.2 DeleteResponse

The result data for the **Delete** WSDL operation.

```
<xs:element name="DeleteResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.13.3 Complex Types

None.

### 3.1.4.13.4 Simple Types

None.

### 3.1.4.13.5 Attributes

None.

### 3.1.4.13.6 Groups

None.

### 3.1.4.13.7 Attribute Groups

None.

### 3.1.4.14 DeleteAssociationReferenceFromAssociationGroup

The **DeleteAssociationReferenceFromAssociationGroup** operation removes an AssociationReference from an AssociationGroup by deleting the **AssociationReference**.

```
<wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroup"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupResponse"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InvalidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to edit the Entity that contains the <b>AssociationGroup</b> containing the specified <b>AssociationReference</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The <b>AssociationGroup</b> identifier of the specified <b>AssociationReference</b> is set to zero.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">ConcurrentModificationExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>AssociationReference</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to the current object version of the <b>AssociationReference</b> . For example, this error can be raised when one context reads the <b>AssociationReference</b> , another context updates the same <b>AssociationReference</b> , and then the original context tries to update. <41>
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The operation cannot be performed because the <b>Entity</b> that contains the <b>AssociationGroup</b> that contains the specified <b>AssociationReference</b> is active. <42>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The <b>AssociationGroup</b> containing the specified <b>AssociationReference</b> does not exist.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The identifier of the specified <b>AssociationReference</b> does not exist.

### 3.1.4.14.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMessage	The request WSDL message for the <b>DeleteAssociationReferenceFromAssociationGroup</b> WSDL operation.
BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputMessage	The response WSDL message for the <b>DeleteAssociationReferenceFromAssociationGroup</b> WSDL operation.

#### 3.1.4.14.1.1

### **BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_InputMessage**

The request WSDL message for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroup
```

The SOAP body contains the **DeleteAssociationReferenceFromAssociationGroup** element.

#### 3.1.4.14.1.2

### **BusinessDataCatalogSharedService\_DeleteAssociationReferenceFromAssociationGroup\_OutputMessage**

The response WSDL message for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

The SOAP body contains the **DeleteAssociationReferenceFromAssociationGroupResponse** element.

### 3.1.4.14.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteAssociationReferenceFromAssociationGroup	The input data for the <b>DeleteAssociationReferenceFromAssociationGroup</b> WSDL operation.
DeleteAssociationReferenceFromAssociationGroupResponse	The result data for the <b>DeleteAssociationReferenceFromAssociationGroup</b> WSDL operation.

### 3.1.4.14.2.1 DeleteAssociationReferenceFromAssociationGroup

The input data for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

```
<xs:element name="DeleteAssociationReferenceFromAssociationGroup"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationReferenceStruct" nillable="true" type="tns6:AssociationReferenceStruct"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationReferenceStruct:** The AssociationReference. The partition (1) of this **AssociationReference** MUST be the partition (1) of the protocol client.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.14.2.2 DeleteAssociationReferenceFromAssociationGroupResponse

The result data for the **DeleteAssociationReferenceFromAssociationGroup** WSDL operation.

```
<xs:element name="DeleteAssociationReferenceFromAssociationGroupResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.14.3 Complex Types

None.

### 3.1.4.14.4 Simple Types

None.

### 3.1.4.14.5 Attributes

None.

### 3.1.4.14.6 Groups

None.

### 3.1.4.14.7 Attribute Groups

None.

### 3.1.4.15 DeleteDefaultValueForTypeDescriptor

The **DeleteDefaultValueForTypeDescriptor** operation deletes the DefaultValue of the specified TypeDescriptor for the specified MethodInstance.

```
<wsdl:operation name="DeleteDefaultValueForTypeDescriptor"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptor"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorResponse"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

</wsdl:operation>

The protocol client sends a

**BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to edit the Method containing the Parameter containing the specified <b>TypeDescriptor</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId for the <b>TypeDescriptor</b> or the <b>MethodInstance</b> is set to zero.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>TypeDescriptor</b> or the <b>MethodInstance</b> does not exist.

### 3.1.4.15.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage	The request WSDL message for the <b>DeleteDefaultValueForTypeDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage	The response WSDL message for the <b>DeleteDefaultValueForTypeDescriptor</b> WSDL operation.

### 3.1.4.15.1.1

#### **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_Input Message**

The request WSDL message for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptor
```

The SOAP body contains the **DeleteDefaultValueForTypeDescriptor** element.

### 3.1.4.15.1.2

#### **BusinessDataCatalogSharedService\_DeleteDefaultValueForTypeDescriptor\_Output Message**

The response WSDL message for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

The SOAP body contains the **DeleteDefaultValueForTypeDescriptorResponse** element.

### 3.1.4.15.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteDefaultValueForTypeDescriptor	The input data for the <b>DeleteDefaultValueForTypeDescriptor</b> WSDL operation.
DeleteDefaultValueForTypeDescriptorResponse	The result data for the <b>DeleteDefaultValueForTypeDescriptor</b> WSDL operation.

#### 3.1.4.15.2.1 DeleteDefaultValueForTypeDescriptor

The input data for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

```
<xs:element name="DeleteDefaultValueForTypeDescriptor"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorId:** The MetadataObjectId of the TypeDescriptor.



**methodInstanceId:** The **MetadataObjectId** of the MethodInstance.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.15.2 DeleteDefaultValueForTypeDescriptorResponse

The result data for the **DeleteDefaultValueForTypeDescriptor** WSDL operation.

```
<xs:element name="DeleteDefaultValueForTypeDescriptorResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.15.3 Complex Types

None.

### 3.1.4.15.4 Simple Types

None.

### 3.1.4.15.5 Attributes

None.

### 3.1.4.15.6 Groups

None.

### 3.1.4.15.7 Attribute Groups

None.

### 3.1.4.16 DeleteNoCascade

The **DeleteNoCascade** operation deletes the specified MetadataObject without deleting the **MetadataObjects** it references.

```
<wsdl:operation name="DeleteNoCascade" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascade"
    message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeResponse"
    message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"/>
</wsdl:operation>
```

```

message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentOutOfRangeExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_BdcExceptionStateFault_FaultMess
age" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_InvalidOperationExceptionFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_MetadataExceptionStateFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentExceptionFault_FaultMess
age" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentNullExceptionFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_DeleteNoCascade\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_DeleteNoCascade\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">ConcurrentModificationExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>MetadataObject</b> has been updated by a context other than the one by which it is currently being read. This happens when the specified object version is not equal to

Error complex type	Condition
	<p>the current object version of the <b>MetadataObject</b>. For example, this error can be raised when one context reads the given <b>MetadataObject</b>, another context updates the same <b>MetadataObject</b>, and then the original context tries to update the same <b>MetadataObject</b>.</p>
<p><a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a></p>	<p>The operation cannot be performed because the specified <b>MetadataObject</b> is an Entity, which, if active, MUST be deactivated before being deleted. An attempt was made by the server to deactivate the <b>Entity</b>, but at the time of the attempt, the <b>Entity</b> was no longer active.</p>
<p><a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a></p>	<p>The operation cannot be performed because the specified <b>MetadataObject</b> is a FilterDescriptor of type TimeStampFilter and is currently used in a MethodInstance of type ChangedIdEnumerator or DeletedIdEnumerator.</p>
<p><a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a></p>	<p>The specified <b>MetadataObject</b> is an LobSystem that contains at least one Entity.</p>
<p><a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a></p>	<p>The operation cannot be performed because the specified <b>MetadataObject</b> is a TypeDescriptor and there is already at least one <b>MethodInstance</b> whose</p>

Error complex type	Condition
	ReturnTypeDescriptor is the specified <b>TypeDescriptor</b> .
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

Properties that are child objects of the specified **MetadataObject** MUST also be deleted. If the **MetadataObjectStruct** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to deleting the specified **MetadataObject** from the metadata store.

MetadataObject	Action
Action	Delete all ActionParameters in the specified <b>Action</b> .
<b>Entity</b>	Delete all <b>Action</b> , Method, Identifier, and AssociationGroups that are child objects of the specified <b>Entity</b> , as well as all their child objects, in a recursive manner.
LobSystem	Delete all LobSystemInstances that are child objects of the specified <b>LobSystem</b> .
Method	Delete all <b>MethodInstance</b> , <b>FilterDescriptor</b> , and Parameters that are child objects of the specified <b>Method</b> , as well as all their child objects, in a recursive manner. <43>
<b>Parameter</b>	Delete the root TypeDescriptor of the specified <b>Parameter</b> , as well as all the child objects of the root <b>TypeDescriptor</b> , in a recursive manner. <44> If there are several parameters that exist in the same method, and one of the parameters is deleted, then the <b>objectVersion</b> of the other parameters are incremented by 1, and the <b>ordinalNumber</b> value of the other parameters are changed according to the below rules: <ol style="list-style-type: none"> <li>1. If the parameter is deleted, the <b>ordinalNumber</b> value of the parameters whose <b>ordinalNumber</b> values are greater than this parameter are subtracted by 1.</li> <li>2. If the parameter is deleted, the <b>ordinalNumber</b> value of the parameters whose <b>ordinalNumber</b> values are less than this parameter are not changed.</li> </ol>
<b>TypeDescriptor</b>	Delete all the <b>TypeDescriptors</b> that are child objects of the specified <b>TypeDescriptor</b> , as well as all their child objects, in a recursive manner.

### 3.1.4.16.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage	The request WSDL message for the <b>DeleteNoCascade</b> WSDL operation.
BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage	The response WSDL message for the <b>DeleteNoCascade</b> WSDL operation.

### 3.1.4.16.1.1 BusinessDataCatalogSharedService\_DeleteNoCascade\_InputMessage

The request WSDL message for the **DeleteNoCascade** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascade
```

The SOAP body contains the **DeleteNoCascade** element.

### 3.1.4.16.1.2 BusinessDataCatalogSharedService\_DeleteNoCascade\_OutputMessage

The response WSDL message for the **DeleteNoCascade** WSDL operation.

The SOAP body contains the **DeleteNoCascadeResponse** element.

### 3.1.4.16.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteNoCascade	The input data for the <b>DeleteNoCascade</b> WSDL operation.
DeleteNoCascadeResponse	The result data for the <b>DeleteNoCascade</b> WSDL operation.

#### 3.1.4.16.2.1 DeleteNoCascade

The input data for the **DeleteNoCascade** WSDL operation.

```
<xs:element name="DeleteNoCascade" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject that this operation MUST delete. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

#### 3.1.4.16.2.2 DeleteNoCascadeResponse

The result data for the **DeleteNoCascade** WSDL operation.

```
<xs:element name="DeleteNoCascadeResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
```

</xs:element>

### 3.1.4.16.3 Complex Types

None.

### 3.1.4.16.4 Simple Types

None.

### 3.1.4.16.5 Attributes

None.

### 3.1.4.16.6 Groups

None.

### 3.1.4.16.7 Attribute Groups

None.

### 3.1.4.17 DeleteProxyAssemblyForLobSystem

The **DeleteProxyAssemblyForLobSystem** operation deletes a Business Logic Module [45](#) associated with the specified LobSystem.

```
<wsdl:operation name="DeleteProxyAssemblyForLobSystem"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystem"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InvalidOperation
ExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_BdcExceptionStat
eFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentOutOfRan
geExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_MetadataExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentNullExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_InputMessage**

request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_OutputMessage**

response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>LobSystem</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>LobSystem</b> does not exist<46>.

### 3.1.4.17.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_I nputMessage	The request WSDL message for the <b>DeleteProxyAssemblyForLobSystem</b> WSDL operation.

Message	Description
BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage	The response WSDL message for the <b>DeleteProxyAssemblyForLobSystem</b> WSDL operation.

### 3.1.4.17.1.1

#### BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_InputMessage

The request WSDL message for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteProxyAssemblyForLobSystem
```

The SOAP body contains the **DeleteProxyAssemblyForLobSystem** element.

### 3.1.4.17.1.2

#### BusinessDataCatalogSharedService\_DeleteProxyAssemblyForLobSystem\_OutputMessage

The response WSDL message for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

The SOAP body contains the **DeleteProxyAssemblyForLobSystemResponse** element.

### 3.1.4.17.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
DeleteProxyAssemblyForLobSystem	The input data for the <b>DeleteProxyAssemblyForLobSystem</b> WSDL operation.
DeleteProxyAssemblyForLobSystemResponse	The result data for the <b>DeleteProxyAssemblyForLobSystem</b> WSDL operation.

### 3.1.4.17.2.1 DeleteProxyAssemblyForLobSystem

The input data for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="DeleteProxyAssemblyForLobSystem"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
```



```
</xs:element>
```

**lobSystemStruct:** The LobSystem for which the Business Logic Module [47](#) is to be deleted. The partition (1) of this **LobSystem** MUST be the partition (1) of the protocol client.

### 3.1.4.17.2 DeleteProxyAssemblyForLobSystemResponse

The result data for the **DeleteProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="DeleteProxyAssemblyForLobSystemResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.17.3 Complex Types

None.

### 3.1.4.17.4 Simple Types

None.

### 3.1.4.17.5 Attributes

None.

### 3.1.4.17.6 Groups

None.

### 3.1.4.17.7 Attribute Groups

None.

### 3.1.4.18 EntityCreate

The **EntityCreate** operation creates an Entity in the specified LobSystem. The operation MUST copy ACEs from the specified **LobSystem** to the created **Entity**. If a Model is specified, the operation MUST associate the created **Entity** with the specified **Model**. Otherwise, the created **Entity** is not referenced by any **Model**.

```
<wsdl:operation name="EntityCreate" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreate"
    message="i0:BusinessDataCatalogSharedService_EntityCreate_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateResponse"
    message="i0:BusinessDataCatalogSharedService_EntityCreate_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_MetadataExceptionStateFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_ArgumentExceptionFault_FaultMessage
" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_ArgumentOutOfRangeExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreatePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_PackageFormatExceptionStateFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_ArgumentNullExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_InvalidOperationExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_BdcExceptionStateFault_FaultMessage
" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_EntityCreate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_EntityCreate\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified MetadataCatalog in the protocol client partition (1).

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	At least one of the following is true: <ul style="list-style-type: none"> <li>The namespace specified for the new <b>Entity</b> is NULL or empty.</li> <li>The length of the namespace specified for the new <b>Entity</b> is greater than 255 characters.</li> <li>The name specified for the new <b>Entity</b> is NULL or empty.</li> <li>The length of the name specified for the new <b>Entity</b> is greater than 255 characters.</li> </ul>
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentNullException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The version specified for a new <b>Entity</b> is NULL.
<a href="#">DuplicateMetadataObjectExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	An <b>Entity</b> with the same name, namespace, version, and partition (1) already exists in the specified <b>LobSystem</b> .
<a href="#">ExceededMetadataObjectLimitExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	The specified <b>LobSystem</b> already contains the implementation-specific maximum number of <b>Entities</b> .
<a href="#">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Model</b> does not exist.

### 3.1.4.18.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_EntityCreate_InputMessage	The request WSDL message for the

Message	Description
	<b>EntityCreate</b> WSDL operation.
BusinessDataCatalogSharedService_EntityCreate_OutputMessage	The response WSDL message for the <b>EntityCreate</b> WSDL operation.

### 3.1.4.18.1.1 BusinessDataCatalogSharedService\_EntityCreate\_InputMessage

The request WSDL message for the **EntityCreate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreate
```

The SOAP body contains the **EntityCreate** element.

### 3.1.4.18.1.2 BusinessDataCatalogSharedService\_EntityCreate\_OutputMessage

The response WSDL message for the **EntityCreate** WSDL operation.

The SOAP body contains the **EntityCreateResponse** element.

### 3.1.4.18.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
EntityCreate	The input data for the <b>EntityCreate</b> WSDL operation.
EntityCreateResponse	The result data for the <b>EntityCreate</b> WSDL operation.

#### 3.1.4.18.2.1 EntityCreate

The input data for the **EntityCreate** WSDL operation.

```
<xs:element name="EntityCreate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="rawValues" nillable="true" type="tns6:EntityStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**rawValues:** The Entity to be created. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

**lobSystemStruct:** The LobSystem in which the **Entity** is to be created. The partition (1) of this **LobSystem** MUST be the partition (1) of the protocol client.

**modelStruct:** The Model that references the created **Entity**. If the **Model** is NULL or its MetadataObjectId is set to zero, the protocol server MUST ignore it. Otherwise, the partition (1) of this **Model** MUST be the partition (1) of the protocol client.

### 3.1.4.18.2.2 EntityCreateResponse

The result data for the **EntityCreate** WSDL operation.

```
<xs:element name="EntityCreateResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="EntityCreateResult" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**EntityCreateResult:** The created Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.18.3 Complex Types

None.

### 3.1.4.18.4 Simple Types

None.

### 3.1.4.18.5 Attributes

None.

### 3.1.4.18.6 Groups

None.

### 3.1.4.18.7 Attribute Groups

None.

### 3.1.4.19 ExportPackage

The **ExportPackage** operation retrieves an XML representation of the following objects from the metadata store:

- MetadataObjects contained by the specified MetadataModel if "Model" value is set for the **packageContents** element. The XML MUST conform to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1.
- Localized names, **Properties**, and ACEs corresponding to **MetadataObjects** contained by the specified **MetadataModel** if "Model" value is not set for the **packageContents** element. The

XML MUST conform to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.

If the **CameThroughRemoteAdminService** header specified in section 3.1 is present in the SOAP request, and if the specified **MetadataModel** contains LobSystems that the security principal (1) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those **LobSystems**, and MUST NOT contain other **MetadataObjects** contained by **MetadataObjects** that are not contained in the result for this reason.

```
<wsdl:operation name="ExportPackage" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackage"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageResponse"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackagePackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ExportPackage_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_ExportPackage\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ExportPackage\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to export<48> the specified Model.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The <b>packageContents</b> element has the "InlineProxies" value set but does not have the "Model" value set.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentNullException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>Model</b> is NULL.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the specified <b>Model</b> is set to zero.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Model</b> or other <b>MetadataObjects</b> to be exported do not exist.

### 3.1.4.19.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ExportPackage_InputMessage	The request WSDL message for the <b>ExportPackage</b> WSDL operation.
BusinessDataCatalogSharedService_ExportPackage_OutputMessage	The response WSDL message for the <b>ExportPackage</b> WSDL operation.

### 3.1.4.19.1.1 BusinessDataCatalogSharedService\_ExportPackage\_InputMessage

The request WSDL message for the **ExportPackage** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackage
```

The SOAP body contains the **ExportPackage** element.

### 3.1.4.19.1.2 BusinessDataCatalogSharedService\_ExportPackage\_OutputMessage

The response WSDL message for the **ExportPackage** WSDL operation.

The SOAP body contains the **ExportPackageResponse** element.

### 3.1.4.19.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ExportPackage	The input data for the <b>ExportPackage</b> WSDL operation.
ExportPackageResponse	The result data for the <b>ExportPackage</b> WSDL operation.

#### 3.1.4.19.2.1 ExportPackage

The input data for the **ExportPackage** WSDL operation.

```
<xs:element name="ExportPackage" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelStruct:** The Model. The partition (1) of this **Model** MUST be the partition (1) of the protocol client.

**packageContents:** Specifies the kind of data to retrieve for the specified **Model**. If the "Properties" value is specified, the protocol server MUST retrieve the **Properties** for the corresponding MetadataObjects from the specified Setting. If the "Model" value is also specified, the protocol server MUST also retrieve **Properties** from the default setting that do not have the same name as the **Properties** in the specified **Setting**. If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified MetadataModel. If the "LocalizedNames" value is specified, the protocol server MUST retrieve the localized names for the corresponding



**MetadataObjects** from the specified **Setting**. If the "Model" value is also specified, the protocol server MUST also retrieve localized names from the default **Setting** that do not have the same language code identifier (LCID) as the localized names in the specified **Setting**. If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**. If the "Permissions" value is specified, the protocol server MUST retrieve the ACEs for the corresponding **MetadataObjects** from the specified **Setting**. If there are no ACEs for the specified **Setting** for a **MetadataObject** and if "Model" value is also specified, the protocol server MUST retrieve ACEs from the default **Setting** for that **MetadataObject**. If the "Permissions" value is not specified, the protocol server MUST ignore ACEs in the specified **MetadataModel**.

**settingId**: The identifier of the **Setting** to use for retrieving **Properties**, localized names, and ACEs to export. If **Properties**, localized names, or ACEs are not exported, the protocol server MUST ignore the value of this element.

### 3.1.4.19.2.2 ExportPackageResponse

The result data for the **ExportPackage** WSDL operation.

```
<xs:element name="ExportPackageResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportPackageResult" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ExportPackageResult**: The XML representation conforming to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#) that contains the specified data for the **MetadataModel**.

### 3.1.4.19.3 Complex Types

None.

### 3.1.4.19.4 Simple Types

None.

### 3.1.4.19.5 Attributes

None.

### 3.1.4.19.6 Groups

None.

### 3.1.4.19.7 Attribute Groups

None.

### 3.1.4.20 GenerateProxyAssemblyForLobSystem

The **GenerateProxyAssemblyForLobSystem** operation forces the protocol server to create an implementation-specific Business Logic Module [<49>](#) for the specified **LobSystem** to connect to the

LOB system described by the specified **LobSystem**. If a Business Logic Module is already available for the specified **LobSystem**, this operation **MUST NOT** create another Business Logic Module and **MUST** complete successfully.

```
<wsdl:operation name="GenerateProxyAssemblyForLobSystem"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystem"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentOutOfR
angeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_BdcExceptionSt
ateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_MetadataExcept
ionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentNullEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_InputMessage** request message, and the protocol server **MUST** respond with a **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>LobSystem</b> , and the <code>CameThroughRemoteAdminService</code> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The <code>MetadataObjectId</code> of the specified <b>LobSystem</b> is set to zero.

### 3.1.4.20.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
<code>BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage</code>	The request WSDL message for the <b>GenerateProxyAssemblyForLobSystem</b> WSDL operation.
<code>BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage</code>	The response WSDL message for the <b>GenerateProxyAssemblyForLobSystem</b> WSDL operation.

#### 3.1.4.20.1.1

### **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_InputMessage**

The request WSDL message for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GenerateProxyAssemblyForLobSystem
```

The SOAP body contains the **GenerateProxyAssemblyForLobSystem** element.

### 3.1.4.20.1.2

#### **BusinessDataCatalogSharedService\_GenerateProxyAssemblyForLobSystem\_OutputMessage**

The response WSDL message for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

The SOAP body contains the **GenerateProxyAssemblyForLobSystemResponse** element.

### 3.1.4.20.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GenerateProxyAssemblyForLobSystem	The input data for the <b>GenerateProxyAssemblyForLobSystem</b> WSDL operation.
GenerateProxyAssemblyForLobSystemResponse	The result data for the <b>GenerateProxyAssemblyForLobSystem</b> WSDL operation.

#### 3.1.4.20.2.1 GenerateProxyAssemblyForLobSystem

The input data for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="GenerateProxyAssemblyForLobSystem"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem.

#### 3.1.4.20.2.2 GenerateProxyAssemblyForLobSystemResponse

The result data for the **GenerateProxyAssemblyForLobSystem** WSDL operation.

```
<xs:element name="GenerateProxyAssemblyForLobSystemResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.20.3 Complex Types

None.

#### 3.1.4.20.4 Simple Types

None.

#### 3.1.4.20.5 Attributes

None.

#### 3.1.4.20.6 Groups

None.

#### 3.1.4.20.7 Attribute Groups

None.

#### 3.1.4.21 GetAccessControlEntries

The **GetAccessControlEntries** operation retrieves the ACEs for the specified **MetadataObject** from the specified **Setting**. If there are no ACEs for the specified **MetadataObject** from the specified **Setting** and the value of the **fallback** element is set to "true", the protocol server **MUST** retrieve ACEs for the specified **MetadataObject** from the default **Setting**.

```
<wsdl:operation name="GetAccessControlEntries" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntries"
    message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesResponse"
    message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
  </wsdl:fault
</wsdl:operation>
```

```

message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetAccessControlEntries\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAccessControlEntries\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The <b>MetadataObjectId</b> of the specified <b>MetadataObject</b> is set to zero.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.21.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage	The request WSDL message for the <b>GetAccessControlEntries</b> WSDL operation.
BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage	The response WSDL message for the <b>GetAccessControlEntries</b> WSDL operation.

### 3.1.4.21.1.1

#### BusinessDataCatalogSharedService\_GetAccessControlEntries\_InputMessage

The request WSDL message for the **GetAccessControlEntries** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntries
```

The SOAP body contains the **GetAccessControlEntries** element.

### 3.1.4.21.1.2

#### BusinessDataCatalogSharedService\_GetAccessControlEntries\_OutputMessage

The response WSDL message for the **GetAccessControlEntries** WSDL operation.

The SOAP body contains the **GetAccessControlEntriesResponse** element.

### 3.1.4.21.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAccessControlEntries	The input data for the <b>GetAccessControlEntries</b> WSDL operation.
GetAccessControlEntriesResponse	The result data for the <b>GetAccessControlEntries</b> WSDL operation.

#### 3.1.4.21.2.1 GetAccessControlEntries

The input data for the **GetAccessControlEntries** WSDL operation.

```
<xs:element name="GetAccessControlEntries" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="fallback" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**settingId:** The Setting from which to return the ACEs.

**fallback:** Specifies whether to retrieve ACEs from the default **Setting** if ACEs do not exist in the specified **Setting**.

### 3.1.4.21.2.2 GetAccessControlEntriesResponse

The result data for the **GetAccessControlEntries** WSDL operation.

```
<xs:element name="GetAccessControlEntriesResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetAccessControlEntriesResult" nillable="true"
        type="tns6:ArrayOfAccessControlEntryStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAccessControlEntriesResult:** The list of ACEs.

### 3.1.4.21.3 Complex Types

None.

### 3.1.4.21.4 Simple Types

None.

### 3.1.4.21.5 Attributes

None.

### 3.1.4.21.6 Groups

None.

### 3.1.4.21.7 Attribute Groups

None.

### 3.1.4.22 GetActionById

The **GetActionById** operation retrieves the specified Action.

```
<wsdl:operation name="GetActionById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionById"
    message="i0:BusinessDataCatalogSharedService_GetActionById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetActionById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetActionById_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```



```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_BdcExceptionStateFault_FaultMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_ArgumentOutOfRangeException_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_ArgumentExceptionFault_FaultMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_InvalidOperationExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_MetadataExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetActionById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetActionById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero.
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Action</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.22.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetActionById_InputMessage	The request WSDL message for the <b>GetActionById</b> WSDL operation.

Message	Description
BusinessDataCatalogSharedService_GetActionById_OutputMessage	The response WSDL message for the <b>GetActionById</b> WSDL operation.

### 3.1.4.22.1.1 BusinessDataCatalogSharedService\_GetActionById\_InputMessage

The request WSDL message for the **GetActionById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionById
```

The SOAP body contains the **GetActionById** element.

### 3.1.4.22.1.2 BusinessDataCatalogSharedService\_GetActionById\_OutputMessage

The response WSDL message for the **GetActionById** WSDL operation.

The SOAP body contains the **GetActionByIdResponse** element.

### 3.1.4.22.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetActionById	The input data for the <b>GetActionById</b> WSDL operation.
GetActionByIdResponse	The result data for the <b>GetActionById</b> WSDL operation.

#### 3.1.4.22.2.1 GetActionById

The input data for the **GetActionById** WSDL operation.

```
<xs:element name="GetActionById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**actionId:** The MetadataObjectId of the Action.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if the specified **Action** exists. If the specified **Action** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetActionByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.22.2 GetActionByIdResponse

The result data for the **GetActionById** WSDL operation.

```
<xs:element name="GetActionByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionByIdResult" nillable="true" type="tns6:ActionStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetActionByIdResult:** The Action. The partition (1) of this **Action** MUST be the partition (1) of the protocol client.

### 3.1.4.22.3 Complex Types

None.

### 3.1.4.22.4 Simple Types

None.

### 3.1.4.22.5 Attributes

None.

### 3.1.4.22.6 Groups

None.

### 3.1.4.22.7 Attribute Groups

None.

### 3.1.4.23 GetActionParameterById

The **GetActionParameterById** operation retrieves the specified ActionParameter.

```
<wsdl:operation name="GetActionParameterById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterById"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentOutOfRangeExceptionFault"
```

```

name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetActionParameterById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetActionParameterById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>ActionParameter</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.23.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetActionParameterById_InputMessage	The request WSDL message for the <b>GetActionParameterById</b> WSDL operation.
BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage	The response WSDL message for the <b>GetActionParameterById</b> WSDL operation.

### 3.1.4.23.1.1

#### BusinessDataCatalogSharedService\_GetActionParameterById\_InputMessage

The request WSDL message for the **GetActionParameterById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterById
```

The SOAP body contains the **GetActionParameterById** element.

### 3.1.4.23.1.2

#### BusinessDataCatalogSharedService\_GetActionParameterById\_OutputMessage

The response WSDL message for the **GetActionParameterById** WSDL operation.

The SOAP body contains the **GetActionParameterByIdResponse** element.

### 3.1.4.23.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetActionParameterById	The input data for the <b>GetActionParameterById</b> WSDL operation.
GetActionParameterByIdResponse	The result data for the <b>GetActionParameterById</b> WSDL operation.

### 3.1.4.23.2.1 GetActionParameterById

The input data for the **GetActionParameterById** WSDL operation.

```
<xs:element name="GetActionParameterById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="actionParameterId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**actionParameterId:** The MetadataObjectId of the ActionParameter.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if the specified ActionParameter exists. If the specified **ActionParameter** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetActionParameterByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.23.2 GetActionParameterByIdResponse

The result data for the **GetActionParameterById** WSDL operation.

```
<xs:element name="GetActionParameterByIdResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetActionParameterByIdResult" nillable="true" type="tns6:ActionParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetActionParameterByIdResult:** The ActionParameter. The partition (1) of this **ActionParameter** MUST be the partition (1) of the protocol client.

### 3.1.4.23.3 Complex Types

None.

### 3.1.4.23.4 Simple Types

None.

### 3.1.4.23.5 Attributes

None.

### 3.1.4.23.6 Groups

None.

### 3.1.4.23.7 Attribute Groups

None.

### 3.1.4.24 GetActionParametersForAction

The **GetActionParametersForAction** operation retrieves the ActionParameters of the specified Action.

```

<wsdl:operation name="GetActionParametersForAction"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForAction"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionResponse"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentNullExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentOutOfRangeE
xceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_BdcExceptionStateFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParametersForActionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_MetadataExceptionSt
ateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetActionParametersForAction\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetActionParametersForAction\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0"). <50>
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/SharePointBusinessDataMetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/SharePointBusinessDataMetadataObjectNotFoundExceptionState">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Action</b> does not exist. <51>

### 3.1.4.24.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage	The request WSDL message for the <b>GetActionParametersForAction</b> WSDL operation.
BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage	The response WSDL message for the <b>GetActionParametersForAction</b> WSDL operation.

#### 3.1.4.24.1.1

### BusinessDataCatalogSharedService\_GetActionParametersForAction\_InputMessage

The request WSDL message for the **GetActionParametersForAction** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForAction
```

The SOAP body contains the **GetActionParametersForAction** element.

#### 3.1.4.24.1.2

### BusinessDataCatalogSharedService\_GetActionParametersForAction\_OutputMessage

The response WSDL message for the **GetActionParametersForAction** WSDL operation.

The SOAP body contains the **GetActionParametersForActionResponse** element.

### 3.1.4.24.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetActionParametersForAction	The input data for the <b>GetActionParametersForAction</b> WSDL



Element	Description
	operation.
GetActionParametersForActionResponse	The result data for the <b>GetActionParametersForAction</b> WSDL operation.

### 3.1.4.24.2.1 GetActionParametersForAction

The input data for the **GetActionParametersForAction** WSDL operation.

```
<xs:element name="GetActionParametersForAction" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**actionId:** The MetadataObjectId of the Action.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.24.2.2 GetActionParametersForActionResponse

The result data for the **GetActionParametersForAction** WSDL operation.

```
<xs:element name="GetActionParametersForActionResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionParametersForActionResult" nillable="true"
type="tns6:ArrayOfActionParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetActionParametersForActionResult:** The list of ActionParameters that are contained by the specified Action. The partition (1) of these **ActionParameters** MUST be the partition (1) of the protocol client.

### 3.1.4.24.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfActionParameterStruct	Contains a list of <b>ActionParameters</b> for an Action.

### 3.1.4.24.3.1 ArrayOfActionParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfActionParameterStruct** complex type contains a list of **ActionParameters**.

```
<xs:complexType name="ArrayOfActionParameterStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionParameterStruct"
nillable="true" type="tns6:ActionParameterStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ActionParameterStruct:** An ActionParameter of an Action.

### 3.1.4.24.4 Simple Types

None.

### 3.1.4.24.5 Attributes

None.

### 3.1.4.24.6 Groups

None.

### 3.1.4.24.7 Attribute Groups

None.

### 3.1.4.25 GetActionsForEntity

The **GetActionsForEntity** operation retrieves the Actions of the specified Entity.

```
<wsdl:operation name="GetActionsForEntity" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntity"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityResponse"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentOutOfRangeExceptionF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"/>
```

```

message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntityArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntityMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetActionsForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetActionsForEntity\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Entity</b> does not exist. <52>

### 3.1.4.25.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage	The request WSDL message for the <b>GetActionsForEntity</b> WSDL operation.
BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage	The response WSDL message for the <b>GetActionsForEntity</b> WSDL operation.

### 3.1.4.25.1.1

#### **BusinessDataCatalogSharedService\_GetActionsForEntity\_InputMessage**

The request WSDL message for the **GetActionsForEntity** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionsForEntity
```

The SOAP body contains the **GetActionsForEntity** element.

### 3.1.4.25.1.2

#### **BusinessDataCatalogSharedService\_GetActionsForEntity\_OutputMessage**

The response WSDL message for the **GetActionsForEntity** WSDL operation.

The SOAP body contains the **GetActionsForEntityResponse** element.

### 3.1.4.25.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetActionsForEntity	The input data for the <b>GetActionsForEntity</b> WSDL operation.
GetActionsForEntityResponse	The result data for the <b>GetActionsForEntity</b> WSDL operation.

#### 3.1.4.25.2.1 GetActionsForEntity

The input data for the **GetActionsForEntity** WSDL operation.

```
<xs:element name="GetActionsForEntity" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>  
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"  
minOccurs="0" name="partitionId" type="ser:guid"/>  
    </xs:sequence>  
  </xs:complexType>  
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.25.2.2 GetActionsForEntityResponse

The result data for the **GetActionsForEntity** WSDL operation.

```
<xs:element name="GetActionsForEntityResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionsForEntityResult" nillable="true" type="tns6:ArrayOfActionStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetActionsForEntityResult:** The list of Actions that are contained by the specified **Entity**. The partition (1) of each of these **Actions** MUST be the partition (1) of the protocol client.

### 3.1.4.25.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfActionStruct	Contains a list of Actions.

#### 3.1.4.25.3.1 ArrayOfActionStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfActionStruct** complex type contains a list of Actions.

```

<xs:complexType name="ArrayOfActionStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionStruct" nillable="true"
type="tns6:ActionStruct"/>
  </xs:sequence>
</xs:complexType>

```

**ActionStruct:** An **Action** of an Entity.

#### 3.1.4.25.4 Simple Types

None.

#### 3.1.4.25.5 Attributes

None.

#### 3.1.4.25.6 Groups

None.

#### 3.1.4.25.7 Attribute Groups

None.

### 3.1.4.26 GetAllLocalizedNames

The **GetAllLocalizedNames** operation retrieves all localized names of the specified **MetadataObject**.

```
<wsdl:operation name="GetAllLocalizedNames" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNames"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesResponse"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAllLocalizedNames\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllLocalizedNames\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/10/MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/10/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>MetadataObject</b> does not exist. <53>

### 3.1.4.26.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage	The request WSDL message for the <b>GetAllLocalizedNames</b> WSDL operation.
BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage	The response WSDL message for the <b>GetAllLocalizedNames</b> WSDL operation.

#### 3.1.4.26.1.1

### BusinessDataCatalogSharedService\_GetAllLocalizedNames\_InputMessage

The request WSDL message for the **GetAllLocalizedNames** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNames
```

The SOAP body contains the **GetAllLocalizedNames** element.

#### 3.1.4.26.1.2

### BusinessDataCatalogSharedService\_GetAllLocalizedNames\_OutputMessage

The response WSDL message for the **GetAllLocalizedNames** WSDL operation.

The SOAP body contains the **GetAllLocalizedNamesResponse** element.

### 3.1.4.26.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllLocalizedNames	The input data for the <b>GetAllLocalizedNames</b> WSDL operation.
GetAllLocalizedNamesResponse	The result data for the <b>GetAllLocalizedNames</b> WSDL operation.

### 3.1.4.26.2.1 GetAllLocalizedNames

The input data for the **GetAllLocalizedNames** WSDL operation.

```
<xs:element name="GetAllLocalizedNames" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectId:** The MetadataObjectId of the MetadataObject.

**partitionId:** The partition (1) of the protocol client.

**settingId:** The Setting from which to return the localized names.

**merged:** Specifies whether the default **Setting** is to be considered in the operation when the *settingId* parameter is not NULL. The value MUST one of those in the following table.

Value	Description
true	The protocol server MUST include the localized names from the default <b>Setting</b> and the specified <b>Setting</b> . If a localized name for a given LCID exists for both the default <b>Setting</b> and the specified <b>Setting</b> , only the localized name from the specified <b>Setting</b> MUST be returned.
false	The protocol server MUST return the localized names only for the specified <b>Setting</b> .

### 3.1.4.26.2.2 GetAllLocalizedNamesResponse

The result data for the **GetAllLocalizedNames** WSDL operation.

```
<xs:element name="GetAllLocalizedNamesResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAllLocalizedNamesResult" nillable="true" type="tns6:ArrayOfLocalizedNameStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllLocalizedNamesResult:** The list of localized names of the specified MetadataObject.

### 3.1.4.26.3 Complex Types

None.

### 3.1.4.26.4 Simple Types

None.



### 3.1.4.26.5 Attributes

None.

### 3.1.4.26.6 Groups

None.

### 3.1.4.26.7 Attribute Groups

None.

### 3.1.4.27 GetAllLocalizedNamesForMetadataObjectStruct

The **GetAllLocalizedNamesForMetadataObjectStruct** operation retrieves all localized names of the specified **MetadataObject** for the specified **Setting**.

```
<wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStruct"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inpu
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructResponse"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Outp
utMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Meta
dataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Argu
mentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_BdcE
xceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inva
lidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
```

```

message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObject\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObject\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId of the specified <b>MetadataObject</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>MetadataObject</b> does not exist. <54>

### 3.1.4.27.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InputMessage	The request WSDL message for the <b>GetAllLocalizedNamesForMetadataObjectStruct</b> WSDL operation.
BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_OutputMessage	The response WSDL message for the <b>GetAllLocalizedNamesForMetadataObjectStruct</b> WSDL operation.

#### 3.1.4.27.1.1

### **BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObjectStruct\_InputMessage**

The request WSDL message for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetAllLocalizedNamesForMetadataObjectStruct** element.

### 3.1.4.27.1.2

#### **BusinessDataCatalogSharedService\_GetAllLocalizedNamesForMetadataObjectStruct\_OutputMessage**

The response WSDL message for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

The SOAP body contains the **GetAllLocalizedNamesForMetadataObjectStructResponse** element.

### 3.1.4.27.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllLocalizedNamesForMetadataObjectStruct	The input data for the <b>GetAllLocalizedNamesForMetadataObjectStruct</b> WSDL operation.
GetAllLocalizedNamesForMetadataObjectStructResponse	The result data for the <b>GetAllLocalizedNamesForMetadataObjectStruct</b> WSDL operation.

#### 3.1.4.27.2.1 GetAllLocalizedNamesForMetadataObjectStruct

The input data for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllLocalizedNamesForMetadataObjectStruct"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject for which the operation MUST return the localized names. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**settingId:** The Setting from which to return the localized names.

**merged:** Specifies whether the default **Setting** is to be considered in the operation if the *settingId* parameter is not NULL. The value MUST be one of those in the following table.

Value	Description
true	The protocol server MUST include a localized name from the default <b>Setting</b> if a localized name with the same language code identifier (LCID) does not exist for the specified <b>Setting</b> .
false	The protocol server MUST return the localized names only for the specified <b>Setting</b> .

### 3.1.4.27.2 GetAllLocalizedNamesForMetadataObjectStructResponse

The result data for the **GetAllLocalizedNamesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllLocalizedNamesForMetadataObjectStructResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAllLocalizedNamesForMetadataObjectStructResult" nillable="true"
type="tns6:ArrayOfLocalizedNameStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllLocalizedNamesForMetadataObjectStructResult:** The list of localized names of the specified MetadataObject.

### 3.1.4.27.3 Complex Types

None.

### 3.1.4.27.4 Simple Types

None.

### 3.1.4.27.5 Attributes

None.

### 3.1.4.27.6 Groups

None.

### 3.1.4.27.7 Attribute Groups

None.

### 3.1.4.28 GetAllPartitionIds

The **GetAllPartitionIds** operation retrieves all distinct partition (1) identifiers.

```
<wsdl:operation name="GetAllPartitionIds" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPartitionIds"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl1"/>
```

```

<wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsResponse"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_BdcExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_AccessDeniedExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_InvalidOperationExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_MetadataExceptionStateFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAllPartitionIds\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllPartitionIds\_OutputMessage** response message unless any faults occur.

### 3.1.4.28.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage	The request WSDL message for the <b>GetAllPartitionIds</b> WSDL operation.
BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage	The response WSDL message for the <b>GetAllPartitionIds</b> WSDL operation.

#### 3.1.4.28.1.1

### BusinessDataCatalogSharedService\_GetAllPartitionIds\_InputMessage

The request WSDL message for the **GetAllPartitionIds** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetAllPartitionIds** element.

### 3.1.4.28.1.2

#### **BusinessDataCatalogSharedService\_GetAllPartitionIds\_OutputMessage**

The response WSDL message for the **GetAllPartitionIds** WSDL operation.

The SOAP body contains the **GetAllPartitionIdsResponse** element.

### 3.1.4.28.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllPartitionIds	The input data for the <b>GetAllPartitionIds</b> WSDL operation.
GetAllPartitionIdsResponse	The result data for the <b>GetAllPartitionIds</b> WSDL operation.

#### 3.1.4.28.2.1 GetAllPartitionIds

The input data for the **GetAllPartitionIds** WSDL operation.

```
<xs:element name="GetAllPartitionIds" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.28.2.2 GetAllPartitionIdsResponse

The result data for the **GetAllPartitionIds** WSDL operation.

```
<xs:element name="GetAllPartitionIdsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="GetAllPartitionIdsResult" nillable="true" type="q7:ArrayOfguid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllPartitionIdsResult:** The list of partition (1) identifiers.

### 3.1.4.28.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfguid	Contains a list of GUID identifiers for partitions (1).

### 3.1.4.28.3.1 ArrayOfguid

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

A complex type that specifies a list of **GUIDs**.

```
<xs:complexType name="ArrayOfguid" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
```

**guid:** The identifier of a partition (1).

### 3.1.4.28.4 Simple Types

None.

### 3.1.4.28.5 Attributes

None.

### 3.1.4.28.6 Groups

None.

### 3.1.4.28.7 Attribute Groups

None.

### 3.1.4.29 GetAllProperties

The **GetAllProperties** operation retrieves all **Properties** of the specified MetadataObject and the specified Setting.

```
<wsdl:operation name="GetAllProperties" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllProperties"
    message="i0:BusinessDataCatalogSharedService_GetAllProperties_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesResponse"
    message="i0:BusinessDataCatalogSharedService_GetAllProperties_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAllProperties_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_BdcExceptionStateFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_InvalidOperationExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_MetadataExceptionStateFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_ArgumentExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_ArgumentNullExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAllProperties\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllProperties\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastucture">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastucture">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastucture</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> , the <b>MetadataObject</b> is a <b>LobSystem</b> or <b>LobSystemInstance</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>MetadataObject</b> does not exist.



### 3.1.4.29.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAllProperties_InputMessage	The request WSDL message for the <b>GetAllProperties</b> WSDL operation.
BusinessDataCatalogSharedService_GetAllProperties_OutputMessage	The response WSDL message for the <b>GetAllProperties</b> WSDL operation.

#### 3.1.4.29.1.1 BusinessDataCatalogSharedService\_GetAllProperties\_InputMessage

The request WSDL message for the **GetAllProperties** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllProperties
```

The SOAP body contains the **GetAllProperties** element.

#### 3.1.4.29.1.2

#### BusinessDataCatalogSharedService\_GetAllProperties\_OutputMessage

The response WSDL message for the **GetAllProperties** WSDL operation.

The SOAP body contains the **GetAllPropertiesResponse** element.

### 3.1.4.29.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllProperties	The input data for the <b>GetAllProperties</b> WSDL operation.
GetAllPropertiesResponse	The result data for the <b>GetAllProperties</b> WSDL operation.

#### 3.1.4.29.2.1 GetAllProperties

The input data for the **GetAllProperties** WSDL operation.

```
<xs:element name="GetAllProperties" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>  
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"  
        minOccurs="0" name="partitionId" type="ser:guid"/>  
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>  
    </xs:sequence>  
  </xs:complexType>  
</xs:element>
```

```
<xs:element minOccurs="0" name="merged" type="xs:boolean"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

**metadataObjectId:** The MetadataObjectId of the MetadataObject.

**partitionId:** The partition (1) of the protocol client.

**settingId:** The Setting from which to return the **Properties**.

**merged:** The value MUST be ignored by the protocol server if no Setting is specified. If a **Setting** is specified, the value of this element MUST be set to "true" for the **Properties** in the default **Setting** to be returned in addition to the **Properties** in the specified **Setting**. Otherwise, the value MUST be set to "false". If this value is set to "true", a **Setting** is specified and a **Property** with the same name is found in both the specified **Setting** and the default **Setting**, the **Property** from the specified **Setting** MUST be retrieved by the protocol server, and the **Property** from the default **Setting** MUST be ignored by the protocol server.

### 3.1.4.29.2 GetAllPropertiesResponse

The result data for the **GetAllProperties** WSDL operation.

```
<xs:element name="GetAllPropertiesResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetAllPropertiesResult" nillable="true" type="tns6:ArrayOfPropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllPropertiesResult:** The list of **Properties**.

### 3.1.4.29.3 Complex Types

None.

### 3.1.4.29.4 Simple Types

None.

### 3.1.4.29.5 Attributes

None.

### 3.1.4.29.6 Groups

None.

### 3.1.4.29.7 Attribute Groups

None.

### 3.1.4.30 GetAllPropertiesForMetadataObjectStruct

The **GetAllPropertiesForMetadataObjectStruct** operation retrieves all **Properties** of the specified **MetadataObject** from the specified **Setting**.

```
<wsdl:operation name="GetAllPropertiesForMetadataObjectStruct"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStruct"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructResponse"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified <b>MetadataObject</b> , the <b>MetadataObject</b> is a <b>LobSystem</b> or <b>LobSystemInstance</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The <b>MetadataObjectId</b> of the specified <b>MetadataObject</b> is set to zero ("0").
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.30.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage	The request WSDL message for the <b>GetAllPropertiesForMetadataObjectStruct</b> WSDL operation.
BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage	The response WSDL message for the <b>GetAllPropertiesForMetadataObjectStruct</b> WSDL operation.

#### 3.1.4.30.1.1

### BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_InputMessage

The request WSDL message for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

The SOAP action value is:

`http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStruct`

The SOAP body contains the **GetAllPropertiesForMetadataObjectStruct** element.

### 3.1.4.30.1.2

#### **BusinessDataCatalogSharedService\_GetAllPropertiesForMetadataObjectStruct\_OutputMessage**

The response WSDL message for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

The SOAP body contains the **GetAllPropertiesForMetadataObjectStructResponse** element.

### 3.1.4.30.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAllPropertiesForMetadataObjectStruct	The input data for the <b>GetAllPropertiesForMetadataObjectStruct</b> WSDL operation.
GetAllPropertiesForMetadataObjectStructResponse	The result data for the <b>GetAllPropertiesForMetadataObjectStruct</b> WSDL operation.

#### 3.1.4.30.2.1 GetAllPropertiesForMetadataObjectStruct

The input data for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllPropertiesForMetadataObjectStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this MetadataObject MUST be the partition (1) of the protocol client.

**settingId:** The Setting from which to return the **Properties**.

**merged:** The value MUST be ignored by the protocol server if no **Setting** is specified. If a Setting is specified, the value of this element MUST be set to "true" for the **Properties** in the default **Setting** to be returned in addition to the **Properties** in the specified **Setting**. Otherwise, the value MUST be set to "false". If this value is set to "true", a **Setting** is specified, and a **Property** with the same name is found in both the specified **Setting** and the default **Setting**, the **Property** from the specified **Setting** MUST be retrieved by the protocol server, and the **Property** from the default **Setting** MUST be ignored by the protocol server.

### 3.1.4.30.2.2 GetAllPropertiesForMetadataObjectStructResponse

The result data for the **GetAllPropertiesForMetadataObjectStruct** WSDL operation.

```
<xs:element name="GetAllPropertiesForMetadataObjectStructResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetAllPropertiesForMetadataObjectStructResult" nillable="true"
        type="tns6:ArrayOfPropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAllPropertiesForMetadataObjectStructResult:** The list of **Properties**.

### 3.1.4.30.3 Complex Types

None.

### 3.1.4.30.4 Simple Types

None.

### 3.1.4.30.5 Attributes

None.

### 3.1.4.30.6 Groups

None.

### 3.1.4.30.7 Attribute Groups

None.

### 3.1.4.31 GetAssociationById

The **GetAssociationById** operation retrieves the Association with the specified MetadataObjectId.

```
<wsdl:operation name="GetAssociationById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationById"
    message="i0:BusinessDataCatalogSharedService_GetAssociationById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetAssociationById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationById_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_ArgumentOutOfRangeExceptionFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_BdcExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_InvalidOperationExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_MetadataExceptionStateFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_ArgumentExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	An <b>Association</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.31.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationById_InputMessage	The request WSDL message for the <b>GetAssociationById</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationById_OutputMessage	The response WSDL message for the <b>GetAssociationById</b> WSDL operation.

### 3.1.4.31.1.1

#### BusinessDataCatalogSharedService\_GetAssociationById\_InputMessage

The request WSDL message for the **GetAssociationById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationById
```

The SOAP body contains the **GetAssociationById** element.

### 3.1.4.31.1.2

#### BusinessDataCatalogSharedService\_GetAssociationById\_OutputMessage

The response WSDL message for the **GetAssociationById** WSDL operation.

The SOAP body contains the **GetAssociationByIdResponse** element.

### 3.1.4.31.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationById	The input data for the <b>GetAssociationById</b> WSDL operation.
GetAssociationByIdResponse	The result data for the <b>GetAssociationById</b> WSDL operation.

### 3.1.4.31.2.1 GetAssociationById

The input data for the **GetAssociationById** WSDL operation.

```
<xs:element name="GetAssociationById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



**associationId:** The MetadataObjectId of the Association.

**performErrorCheck:** The value MUST be ignored by the protocol server if an **Association** with the specified **MetadataObjectId** exists. If an **Association** with the specified **MetadataObjectId** does not exist and the value of this element is set to "false", the protocol server MUST set the value of the **GetAssociationByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.31.2.2 GetAssociationByIdResponse

The result data for the **GetAssociationById** WSDL operation.

```
<xs:element name="GetAssociationByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationByIdResult" nillable="true" type="tns6:AssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationByIdResult:** The Association. The partition (1) of this **Association** MUST be the partition (1) of the protocol client.

### 3.1.4.31.3 Complex Types

None.

### 3.1.4.31.4 Simple Types

None.

### 3.1.4.31.5 Attributes

None.

### 3.1.4.31.6 Groups

None.

### 3.1.4.31.7 Attribute Groups

None.

### 3.1.4.32 GetAssociationGroupById

The **GetAssociationGroupById** operation retrieves the AssociationGroup with the specified MetadataObjectId.

```
<wsdl:operation name="GetAssociationGroupById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupById"
```

```

message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_MetadataExceptionStateFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentNullExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_BdcExceptionStateFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_InvalidOperationExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentExceptionFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationGroupById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationGroupById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata">Microsoft.SharePoint.BusinessData</a> )	An <b>AssociationGroup</b> with the specified <b>MetadataObjectId</b> does not exist in the

Error complex type	Condition
	partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.32.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage	The request WSDL message for the <b>GetAssociationGroupById</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage	The response WSDL message for the <b>GetAssociationGroupById</b> WSDL operation.

#### 3.1.4.32.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationGroupById\_InputMessage**

The request WSDL message for the **GetAssociationGroupById** WSDL operation.

The SOAP action value is:

`http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupById`

The SOAP body contains the **GetAssociationGroupById** element.

#### 3.1.4.32.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationGroupById\_OutputMessage**

The response WSDL message for the **GetAssociationGroupById** WSDL operation.

The SOAP body contains the **GetAssociationGroupByIdResponse** element.

### 3.1.4.32.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationGroupById	The input data for the <b>GetAssociationGroupById</b> WSDL operation.
GetAssociationGroupByIdResponse	The result data for the <b>GetAssociationGroupById</b> WSDL operation.

### 3.1.4.32.2.1 GetAssociationGroupById

The input data for the **GetAssociationGroupById** WSDL operation.

```
<xs:element name="GetAssociationGroupById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationGroupId:** The MetadataObjectId of the AssociationGroup.

**performErrorCheck:** The value MUST be ignored by the protocol server if an **AssociationGroup** with the specified **MetadataObjectId** exists. If **AssociationGroup** with the specified **MetadataObjectId** does not exist and the value of this element is set to "false", the protocol server MUST set the value of the **GetAssociationGroupByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.32.2.2 GetAssociationGroupByIdResponse

The result data for the **GetAssociationGroupById** WSDL operation.

```
<xs:element name="GetAssociationGroupByIdResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationGroupByIdResult" nillable="true" type="tns6:AssociationGroupStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationGroupByIdResult:** The AssociationGroup. The partition (1) of this **AssociationGroup** MUST be the partition (1) of the protocol client.

### 3.1.4.32.3 Complex Types

None.

### 3.1.4.32.4 Simple Types

None.

### 3.1.4.32.5 Attributes

None.

### 3.1.4.32.6 Groups

None.

### 3.1.4.32.7 Attribute Groups

None.

### 3.1.4.33 GetAssociationGroupsForEntity

The **GetAssociationGroupsForEntity** operation retrieves the AssociationGroups of the Entity with the specified MetadataObjectId.

```
<wsdl:operation name="GetAssociationGroupsForEntity"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntity"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityResponse"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntityArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").<55>
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/EntityMetadata">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/EntityMetadata">Microsoft.SharePoint.BusinessData</a> )	An Entity with the specified <b>MetadataObjectId</b> does not exist.<56>

### 3.1.4.33.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage	The request WSDL message for the <b>GetAssociationGroupsForEntity</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage	The response WSDL message for the <b>GetAssociationGroupsForEntity</b> WSDL operation.

#### 3.1.4.33.1.1

### BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_InputMessage

The request WSDL message for the **GetAssociationGroupsForEntity** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationGroupsForEntity
```

The SOAP body contains the **GetAssociationGroupsForEntity** element.

### 3.1.4.33.1.2

#### BusinessDataCatalogSharedService\_GetAssociationGroupsForEntity\_OutputMessage

The response WSDL message for the **GetAssociationGroupsForEntity** WSDL operation.

The SOAP body contains the **GetAssociationGroupsForEntityResponse** element.

### 3.1.4.33.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationGroupsForEntity	The input data for the <b>GetAssociationGroupsForEntity</b> WSDL operation.
GetAssociationGroupsForEntityResponse	The result data for the <b>GetAssociationGroupsForEntity</b> WSDL operation.

#### 3.1.4.33.2.1 GetAssociationGroupsForEntity

The input data for the **GetAssociationGroupsForEntity** WSDL operation.

```
<xs:element name="GetAssociationGroupsForEntity" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.33.2.2 GetAssociationGroupsForEntityResponse

The result data for the **GetAssociationGroupsForEntity** WSDL operation.

```
<xs:element name="GetAssociationGroupsForEntityResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationGroupsForEntityResult" nillable="true"
type="tns6:ArrayOfAssociationGroupStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationGroupsForEntityResult:** The list of AssociationGroups. The partition (1) of each **AssociationGroup** in the list **MUST** be the partition (1) of the protocol client.

### 3.1.4.33.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfAssociationGroupStruct	Contains a list of AssociationGroups.

#### 3.1.4.33.3.1 ArrayOfAssociationGroupStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationGroupStruct** complex type contains a list of AssociationGroups.

```
<xs:complexType name="ArrayOfAssociationGroupStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationGroupStruct"
nillable="true" type="tns6:AssociationGroupStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AssociationGroupStruct:** An **AssociationGroup**.

#### 3.1.4.33.4 Simple Types

None.

#### 3.1.4.33.5 Attributes

None.

#### 3.1.4.33.6 Groups

None.

#### 3.1.4.33.7 Attribute Groups

None.

#### 3.1.4.34 GetAssociationMembersInRole

The **GetAssociationMembersInRole** operation retrieves the source or destination Entities of the specified Association.

```
<wsdl:operation name="GetAssociationMembersInRole"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRole"
```



```

message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentOutOfRangeEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_BdcExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InvalidOperationExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_MetadataExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationMembersInRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentNullExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0"), or the value of the <b>role</b> parameter is not zero ("0") or "1".
<a href="#">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="#">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>Association</b> does not exist,

Error complex type	Condition
<a href="#">Microsoft.SharePoint.BusinessData</a> )	or refers to one or more nonexistent <b>Entities</b> , or refers to one or more empty <b>Entities</b> or null.

### 3.1.4.34.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage	The request WSDL message for the <b>GetAssociationMembersInRole</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage	The response WSDL message for the <b>GetAssociationMembersInRole</b> WSDL operation.

#### 3.1.4.34.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_InputMessage**

The request WSDL message for the **GetAssociationMembersInRole** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRole
```

The SOAP body contains the **GetAssociationMembersInRole** element.

#### 3.1.4.34.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationMembersInRole\_OutputMessage**

The response WSDL message for the **GetAssociationMembersInRole** WSDL operation.

The SOAP body contains the **GetAssociationMembersInRoleResponse** element.

### 3.1.4.34.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationMembersInRole	The input data for the <b>GetAssociationMembersInRole</b> WSDL operation.

Element	Description
GetAssociationMembersInRoleResponse	The result data for the <b>GetAssociationMembersInRole</b> WSDL operation.

### 3.1.4.34.2.1 GetAssociationMembersInRole

The input data for the **GetAssociationMembersInRole** WSDL operation.

```
<xs:element name="GetAssociationMembersInRole" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId of the Association.

**role:** A bit that specifies whether to return source or destination Entities from the **Association**. The following table describes possible values.

Value	Description
0	Only source <b>Entities</b> are returned.
1	Only destination <b>Entities</b> are returned.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.34.2.2 GetAssociationMembersInRoleResponse

The result data for the **GetAssociationMembersInRole** WSDL operation.

```
<xs:element name="GetAssociationMembersInRoleResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationMembersInRoleResult" nillable="true"
type="tns6:ArrayOfAssociationMemberStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationMembersInRoleResult:** The list of source or destination Entities.

### 3.1.4.34.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfAssociationMemberStruct	Contains a list of relationships between Entities and Associations.
AssociationMemberStruct	Contains information about a specific relationship of an Entity and Association.

### 3.1.4.34.3.1 ArrayOfAssociationMemberStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationMemberStruct** complex type contains a list of relationship between Entities and Associations.

```
<xs:complexType name="ArrayOfAssociationMemberStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationMemberStruct"
nillable="true" type="tns6:AssociationMemberStruct"/>
  </xs:sequence>
</xs:complexType>
```

**AssociationMemberStruct:** Contains information about the relationship between an **Entity** and an **Association**.

### 3.1.4.34.3.2 AssociationMemberStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **AssociationMemberStruct** complex type contains information about the relationship between an Entity and an Association.

```
<xs:complexType name="AssociationMemberStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
    <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
  </xs:sequence>
</xs:complexType>
```

**\_entityName:** The name of the **Entity** that is referenced by the **Association**. If the **Entity** is active, the value MUST be NULL. Otherwise, this value MUST have at least 1 and at most 255 Unicode characters.

**\_entityNamespace:** The namespace of the **Entity** that is referenced by the **Association**. If the **Entity** is active, the value MUST be NULL. Otherwise, the value MUST have at least 1 and at most 255 Unicode characters.

**associationId:** The MetadataObjectId of the **Association** referencing the **Entity**. The value of this element MUST be in the range 1-0x7fffffff.

**entityId:** The **MetadataObjectId** of the **Entity** that is referenced by the **Association**. If the **Entity** is active, the value **MUST** be in the range 1-0x7ffffff. Otherwise, the value **MUST** be zero.

**partitionId:** The partition (1) of the **Association**.

**role:** Specifies whether the **Entity** is a source or the destination of the **Association**. The following table describes possible values.

Value	Description
0	The <b>Entity</b> is a source of the <b>Association</b> .
1	The <b>Entity</b> is the destination of the <b>Association</b> .

#### 3.1.4.34.4 Simple Types

None.

#### 3.1.4.34.5 Attributes

None.

#### 3.1.4.34.6 Groups

None.

#### 3.1.4.34.7 Attribute Groups

None.

#### 3.1.4.35 GetAssociationReferencesForAssociationGroup

The **GetAssociationReferencesForAssociationGroup** operation retrieves the **AssociationReferences** contained by the specified **AssociationGroup**.

```
<wsdl:operation name="GetAssociationReferencesForAssociationGroup"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroup"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Inpu
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Outp
utMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Argu
mentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
```

```

message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_BdcE
xceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Inva
lidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Meta
dataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Argu
mentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Argu
mentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>AssociationGroup</b> does not exist.<57>

### 3.1.4.35.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InputMessage	The request WSDL message for the <b>GetAssociationReferencesForAss</b>

Message	Description
	<b>ociationGroup</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_OutputMessage	The response WSDL message for the <b>GetAssociationReferencesForAssociationGroup</b> WSDL operation.

### 3.1.4.35.1.1

#### BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_InputMessage

The request WSDL message for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationReferencesForAssociationGroup
```

The SOAP body contains the **GetAssociationReferencesForAssociationGroup** element.

### 3.1.4.35.1.2

#### BusinessDataCatalogSharedService\_GetAssociationReferencesForAssociationGroup\_OutputMessage

The response WSDL message for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

The SOAP body contains the **GetAssociationReferencesForAssociationGroupResponse** element.

### 3.1.4.35.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationReferencesForAssociationGroup	The input data for the <b>GetAssociationReferencesForAssociationGroup</b> WSDL operation.
GetAssociationReferencesForAssociationGroupResponse	The result data for the <b>GetAssociationReferencesForAssociationGroup</b> WSDL operation.

### 3.1.4.35.2.1 GetAssociationReferencesForAssociationGroup

The input data for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

```
<xs:element name="GetAssociationReferencesForAssociationGroup"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**associationGroupId:** The MetadataObjectId of the AssociationGroup.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.35.2.2 GetAssociationReferencesForAssociationGroupResponse

The result data for the **GetAssociationReferencesForAssociationGroup** WSDL operation.

```

<xs:element name="GetAssociationReferencesForAssociationGroupResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationReferencesForAssociationGroupResult" nillable="true"
type="tns6:ArrayOfAssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetAssociationReferencesForAssociationGroupResult:** The list of AssociationReferences. The partition (1) of each **AssociationReference** in the list MUST be the partition (1) of the protocol client.

### 3.1.4.35.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfAssociationReferenceStruct	Contains a list of AssociationReferences.

#### 3.1.4.35.3.1 ArrayOfAssociationReferenceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfAssociationReferenceStruct** complex type contains a list of AssociationReferences.

```

<xs:complexType name="ArrayOfAssociationReferenceStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationReferenceStruct"
nillable="true" type="tns6:AssociationReferenceStruct"/>
  </xs:sequence>
</xs:complexType>

```



## AssociationReferenceStruct: An AssociationReference.

### 3.1.4.35.4 Simple Types

None.

### 3.1.4.35.5 Attributes

None.

### 3.1.4.35.6 Groups

None.

### 3.1.4.35.7 Attribute Groups

None.

### 3.1.4.36 GetAssociationsForDataClass

The **GetAssociationsForDataClass** operation retrieves the Associations that are contained by the specified DataClass.

```
<wsdl:operation name="GetAssociationsForDataClass"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClass"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentOutofRangeEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_BdcExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InvalidOperatio
nExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_MetadataExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetAssociationsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentNullExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>DataClass</b> does not exist. <58>

### 3.1.4.36.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage	The request WSDL message for the <b>GetAssociationsForDataClass</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage	The response WSDL message for the <b>GetAssociationsForDataClass</b> WSDL operation.

#### 3.1.4.36.1.1

### **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_InputMessage**

The request WSDL message for the **GetAssociationsForDataClass** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForDataClass

```

The SOAP body contains the **GetAssociationsForDataClass** element.

### 3.1.4.36.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationsForDataClass\_OutputMessage**

The response WSDL message for the **GetAssociationsForDataClass** WSDL operation.

The SOAP body contains the **GetAssociationsForDataClassResponse** element.

### 3.1.4.36.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationsForDataClass	The input data for the <b>GetAssociationsForDataClass</b> WSDL operation.
GetAssociationsForDataClassResponse	The result data for the <b>GetAssociationsForDataClass</b> WSDL operation.

#### 3.1.4.36.2.1 GetAssociationsForDataClass

The input data for the **GetAssociationsForDataClass** WSDL operation.

```
<xs:element name="GetAssociationsForDataClass" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId of the DataClass. The value of this element MUST be in the range from 1 through 0x7fffffff.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.36.2.2 GetAssociationsForDataClassResponse

The result data for the **GetAssociationsForDataClass** WSDL operation.

```
<xs:element name="GetAssociationsForDataClassResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetAssociationsForDataClassResult" nillable="true"
        type="tns6:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**GetAssociationsForDataClassResult:** The list of Associations. The partition (1) of each of these **Associations** MUST be the partition (1) of the protocol client.

### 3.1.4.36.3 Complex Types

None.

### 3.1.4.36.4 Simple Types

None.

### 3.1.4.36.5 Attributes

None.

### 3.1.4.36.6 Groups

None.

### 3.1.4.36.7 Attribute Groups

None.

### 3.1.4.37 GetAssociationsForEntityAndRole

The **GetAssociationsForEntityAndRole** operation retrieves the Associations that reference the specified Entity as **Association** source or **Association** destination.

```
<wsdl:operation name="GetAssociationsForEntityAndRole"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForEntityAndRole"
    message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForEntityAndRoleResponse"
    message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForEntityAndRoleBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_BdcExceptionStat
    eFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForEntityAndRoleArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentOutOfRan
    geExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetAssociationsForEntityAndRoleMetadataExceptionStateFault"
```

```

name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForEntityAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForEntityAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForEntityAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST return with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0"), or the <b>role</b> parameter is not set to zero ("0") or "1".
<a href="http://schemas.datacontract.org/2004/07/System.InvalidOperationException">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>Entity</b> does not exist.

### 3.1.4.37.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage	The request WSDL message for the <b>GetAssociationsForEntityAndRole</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage	The response WSDL message for the <b>GetAssociationsForEntityAnd</b>

Message	Description
	<b>Role</b> WSDL operation.

### 3.1.4.37.1.1

#### **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_InputMessage**

The request WSDL message for the **GetAssociationsForEntityAndRole** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForEntityAndRole
```

The SOAP body contains the **GetAssociationsForEntityAndRole** element.

### 3.1.4.37.1.2

#### **BusinessDataCatalogSharedService\_GetAssociationsForEntityAndRole\_OutputMessage**

The response WSDL message for the **GetAssociationsForEntityAndRole** WSDL operation.

The SOAP body contains the **GetAssociationsForEntityAndRoleResponse** element.

### 3.1.4.37.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationsForEntityAndRole	The input data for the <b>GetAssociationsForEntityAndRole</b> WSDL operation.
GetAssociationsForEntityAndRoleResponse	The result data for the <b>GetAssociationsForEntityAndRole</b> WSDL operation.

#### 3.1.4.37.2.1 GetAssociationsForEntityAndRole

The input data for the **GetAssociationsForEntityAndRole** WSDL operation.

```
<xs:element name="GetAssociationsForEntityAndRole"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**role:** Specifies whether the **Entity** is a source or the destination of the Association. The following table describes possible values.

Value	Description
0	The <b>Entity</b> is a source of the <b>Association</b> .
1	The <b>Entity</b> is the destination of the <b>Association</b> .

**activeOnly:** Specifies whether to include the **Associations** that reference **Entities** those are not active in the result. For the purposes of this operation, an **Association** is considered to reference an **Entity** when that **Entity** is a source or the destination of the **Association**, or when the **Entity** contains the **Association**. The following table describes possible values.

Value	Description
true	Return all <b>Associations</b> that match the search criteria.
false	Return <b>Associations</b> that match the search criteria only if they do not reference an Entity that is not active.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.37.2 GetAssociationsForEntityAndRoleResponse

The result data for the **GetAssociationsForEntityAndRole** WSDL operation.

```
<xs:element name="GetAssociationsForEntityAndRoleResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetAssociationsForEntityAndRoleResult" nillable="true"
        type="tns6:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationsForEntityAndRoleResult:** The list of Associations. The partition (1) of each of these **Associations** MUST be the partition (1) of the protocol client.

### 3.1.4.37.3 Complex Types

None.

### 3.1.4.37.4 Simple Types

None.

### 3.1.4.37.5 Attributes

None.

### 3.1.4.37.6 Groups

None.

### 3.1.4.37.7 Attribute Groups

None.

### 3.1.4.38 GetAssociationsForMethod

The **GetAssociationsForMethod** operation retrieves the Associations that are contained by the specified Method.

```
<wsdl:operation name="GetAssociationsForMethod"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethod"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_InvalidOperationExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_BdcExceptionStateFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentOutOfRangeExceptionExcep
tionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_MetadataExceptionStateF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentNullExceptionFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```



The protocol client sends a **BusinessDataCatalogSharedService\_GetAssociationsForMethod\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetAssociationsForMethod\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessDataMetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Method</b> does not exist. <59>

### 3.1.4.38.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage	The request WSDL message for the <b>GetAssociationsForMethod</b> WSDL operation.
BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage	The response WSDL message for the <b>GetAssociationsForMethod</b> WSDL operation.

#### 3.1.4.38.1.1

### BusinessDataCatalogSharedService\_GetAssociationsForMethod\_InputMessage

The request WSDL message for the **GetAssociationsForMethod** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForMethod
```

The SOAP body contains the **GetAssociationsForMethod** element.

#### 3.1.4.38.1.2

### BusinessDataCatalogSharedService\_GetAssociationsForMethod\_OutputMessage

The response WSDL message for the **GetAssociationsForMethod** WSDL operation.

The SOAP body contains the **GetAssociationsForMethodResponse** element.

### 3.1.4.38.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetAssociationsForMethod	The input data for the <b>GetAssociationsForMethod</b> WSDL operation.
GetAssociationsForMethodResponse	The result data for the <b>GetAssociationsForMethod</b> WSDL operation.

#### 3.1.4.38.2.1 GetAssociationsForMethod

The input data for the **GetAssociationsForMethod** WSDL operation.

```
<xs:element name="GetAssociationsForMethod" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method. The value of this element MUST be in the range from 1 through 0x7fffffff.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.38.2.2 GetAssociationsForMethodResponse

The result data for the **GetAssociationsForMethod** WSDL operation.

```
<xs:element name="GetAssociationsForMethodResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationsForMethodResult" nillable="true" type="tns6:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetAssociationsForMethodResult:** The list of Associations. The partition (1) of each of these **Associations** MUST be the partition (1) of the protocol client.

### 3.1.4.38.3 Complex Types

None.

### 3.1.4.38.4 Simple Types

None.

### 3.1.4.38.5 Attributes

None.

### 3.1.4.38.6 Groups

None.

### 3.1.4.38.7 Attribute Groups

None.

### 3.1.4.39 GetCacheInvalidationRecordsSince

The **GetCacheInvalidationRecordsSince** operation retrieves the cache version stamps, as specified in [\[MS-BDCDPS\]](#) section 2.2.2.22, that were modified after the specified time.

```
<wsdl:operation name="GetCacheInvalidationRecordsSince"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSince"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceResponse"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceAccessDeniedExceptionFault"
name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_AccessDeniedExc
eptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_BdcExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InvalidOperatio
nExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_MetadataExcepti
onStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSincePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

```

name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetCacheInvalidationRecordsSinceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetCacheInvalidationRecordsSinceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetCacheInvalidationRecordsSinceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetCacheInvalidationRecordsSince\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetCacheInvalidationRecordsSince\_OutputMessage** response message, unless any faults occur.

### 3.1.4.39.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage	The request WSDL message for the <b>GetCacheInvalidationRecordsSince</b> WSDL operation.
BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage	The response WSDL message for the <b>GetCacheInvalidationRecordsSince</b> WSDL operation.

#### 3.1.4.39.1.1

### BusinessDataCatalogSharedService\_GetCacheInvalidationRecordsSince\_InputMessage

The request WSDL message for the **GetCacheInvalidationRecordsSince** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetCacheInvalidationRecordsSince

```

The SOAP body contains the **GetCacheInvalidationRecordsSince** element.

### 3.1.4.39.1.2

#### **BusinessDataCatalogSharedService\_GetCacheInvalidationRecordsSince\_OutputMessage**

The response WSDL message for the **GetCacheInvalidationRecordsSince** WSDL operation.

The SOAP body contains the **GetCacheInvalidationRecordsSinceResponse** element.

### 3.1.4.39.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetCacheInvalidationRecordsSince	The input data for the <b>GetCacheInvalidationRecordsSince</b> WSDL operation.
GetCacheInvalidationRecordsSinceResponse	The result data for the <b>GetCacheInvalidationRecordsSince</b> WSDL operation.

#### 3.1.4.39.2.1 GetCacheInvalidationRecordsSince

The input data for the **GetCacheInvalidationRecordsSince** WSDL operation.

```
<xs:element name="GetCacheInvalidationRecordsSince"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dateTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dateTime:** The implementation-specific timestamp to compare with the timestamp elements of the cache version stamps. This operation **MUST** return only cache version stamps with timestamp values greater than the specified value.

#### 3.1.4.39.2.2 GetCacheInvalidationRecordsSinceResponse

The result data for the **GetCacheInvalidationRecordsSince** WSDL operation.

```
<xs:element name="GetCacheInvalidationRecordsSinceResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetCacheInvalidationRecordsSinceResult" nillable="true"
        type="tns6:ArrayOfCacheInvalidationRecordStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetCacheInvalidationRecordsSinceResult:** The list of cache version stamps. The partition (1) of each of these cache version stamps MUST be the partition (1) of the protocol client.

### 3.1.4.39.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfCacheInvalidationRecordStruct	Contains a cache version stamps.
CacheInvalidationRecordStruct	Contains information about the version stamps for the cache.

#### 3.1.4.39.3.1 ArrayOfCacheInvalidationRecordStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfCacheInvalidationRecordStruct** complex type contains a list of cache version stamps.

```
<xs:complexType name="ArrayOfCacheInvalidationRecordStruct"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="CacheInvalidationRecordStruct"
      nillable="true" type="tns6:CacheInvalidationRecordStruct"/>
  </xs:sequence>
</xs:complexType>
```

**CacheInvalidationRecordStruct:** A cache version stamp.

#### 3.1.4.39.3.2 CacheInvalidationRecordStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **CacheInvalidationRecordStruct** complex type MUST contain information about the version stamps for the cache. Each row in the result set MUST represent object cache version stamp for the contents or existence of a type of MetadataObject specified by its **CacheLine** element. This complex type is defined as follows.

```
<xs:complexType name="CacheInvalidationRecordStruct"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="cacheLine" type="xs:long"/>
    <xs:element minOccurs="0" name="counter" type="xs:int"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
    <xs:element minOccurs="0" name="timestamp" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>
```

**cacheLine:** Specifies that the information in the cache corresponds either to the contents or to the relationship to a type of **MetadataObject**. It MUST consist of one or more of the bit masks of the values from the following table.

<b>Value</b>	<b>Description</b>
<b>0x00001</b>	Corresponds to the contents of a <b>LobSystem</b> .
<b>0x00002</b>	Corresponds to the contents of a <b>LobSystemInstance</b> .
<b>0x00004</b>	Corresponds to the contents of a <b>DataClass</b> .
<b>0x00008</b>	Corresponds to the contents of an <b>Entity</b> .
<b>0x00010</b>	Corresponds to the contents of an <b>Identifier</b> .
<b>0x00020</b>	Corresponds to the contents of a <b>Method</b> .
<b>0x00040</b>	Corresponds to the contents of a <b>MethodInstance</b> .
<b>0x00080</b>	Corresponds to the contents of a <b>FilterDescriptor</b> .
<b>0x00100</b>	Corresponds to the contents of a <b>Parameter</b> .
<b>0x00200</b>	Corresponds to the contents of a <b>TypeDescriptor</b> .
<b>0x00400</b>	Corresponds to the contents of an <b>Action</b> .
<b>0x00800</b>	Corresponds to the contents of an <b>ActionParameter</b> .
<b>0x01000</b>	Corresponds to the contents of an <b>Association</b> .
<b>0x08000</b>	Corresponds to the contents of an <b>AssociationGroup</b> .
<b>0x10000</b>	Corresponds to the contents of a <b>MetadataCatalog</b> .
<b>0x000100000</b>	Corresponds to the relationship to a <b>LobSystem</b> .
<b>0x000200000</b>	Corresponds to the relationship to a <b>LobSystemInstance</b> .
<b>0x000400000</b>	Corresponds to the relationship to a <b>DataClass</b> .
<b>0x000800000</b>	Corresponds to the relationship to an <b>Entity</b> .
<b>0x001000000</b>	Corresponds to the relationship to an <b>Identifier</b> .
<b>0x002000000</b>	Corresponds to the relationship to a <b>Method</b> .
<b>0x004000000</b>	Corresponds to the relationship to a <b>MethodInstance</b> .
<b>0x008000000</b>	Corresponds to the relationship to a <b>FilterDescriptor</b> .
<b>0x010000000</b>	Corresponds to the relationship to a <b>Parameter</b> .
<b>0x020000000</b>	Corresponds to the relationship to a <b>TypeDescriptor</b> .
<b>0x040000000</b>	Corresponds to the relationship to an <b>Action</b> .
<b>0x080000000</b>	Corresponds to the relationship to an <b>ActionParameter</b> .
<b>0x100000000</b>	Corresponds to the relationship to an <b>Association</b> .
<b>0x200000000</b>	Corresponds to the relationship to an <b>AssociationGroup</b> .
<b>0x400000000</b>	Corresponds to the relationship to a <b>MetadataObject</b> .

Value	Description
0x80000000	Corresponds to the relationship to an ACE.

**counter:** The value representing the version of data structures or relationships of data structures tracking the changes made by the applications utilizing the protocol client.

**partitionId:** The partition (1) of the cache version stamp.

**timestamp:** The implementation-specific timestamp specifying the time at which this cache version stamp was last modified.

#### 3.1.4.39.4 Simple Types

None.

#### 3.1.4.39.5 Attributes

None.

#### 3.1.4.39.6 Groups

None.

#### 3.1.4.39.7 Attribute Groups

None.

#### 3.1.4.40 GetChildTypeDescriptorsForTypeDescriptor

The **GetChildTypeDescriptorsForTypeDescriptor** operation retrieves the TypeDescriptors contained by the specified **TypeDescriptor**.

```
<wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptor"
    message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptorResponse"
    message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptorBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptorInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```



```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Metadat
aExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argumen
tExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argumen
tNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argumen
tOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    </wsdl:fault>
  </wsdl:fault>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.datacontract.org/2004/07/System">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">Microsoft.SharePoint.BusinessData</a> )	The specified <b>TypeDescriptor</b> does not exist. <60>

### 3.1.4.40.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage	The request WSDL message for the <b>GetChildTypeDescriptorsForTypeDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage	The response WSDL message for

Message	Description
scriptor_OutputMessage	the <b>GetChildTypeDescriptorsForTypeDescriptor</b> WSDL operation.

### 3.1.4.40.1.1

#### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptor
```

The SOAP body contains the **GetChildTypeDescriptorsForTypeDescriptor** element.

### 3.1.4.40.1.2

#### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsForTypeDescriptor\_OutputMessage**

The response WSDL message for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetChildTypeDescriptorsForTypeDescriptorResponse** element.

### 3.1.4.40.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetChildTypeDescriptorsForTypeDescriptor	The input data for the <b>GetChildTypeDescriptorsForTypeDescriptor</b> WSDL operation.
GetChildTypeDescriptorsForTypeDescriptorResponse	The result data for the <b>GetChildTypeDescriptorsForTypeDescriptor</b> WSDL operation.

#### 3.1.4.40.2.1 **GetChildTypeDescriptorsForTypeDescriptor**

The input data for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

```
<xs:element name="GetChildTypeDescriptorsForTypeDescriptor"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parentTypeDescriptorId" type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
<xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

**parentTypeDescriptorId:** The MetadataObjectId of the TypeDescriptor.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.40.2.2 GetChildTypeDescriptorsForTypeDescriptorResponse

The result data for the **GetChildTypeDescriptorsForTypeDescriptor** WSDL operation.

```
<xs:element name="GetChildTypeDescriptorsForTypeDescriptorResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetChildTypeDescriptorsForTypeDescriptorResult" nillable="true"
type="tns6:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetChildTypeDescriptorsForTypeDescriptorResult:** The list of TypeDescriptors. The partition (1) of each **TypeDescriptor** MUST be the partition (1) of the protocol client.

### 3.1.4.40.3 Complex Types

None.

### 3.1.4.40.4 Simple Types

None.

### 3.1.4.40.5 Attributes

None.

### 3.1.4.40.6 Groups

None.

### 3.1.4.40.7 Attribute Groups

None.

### 3.1.4.41 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor

The **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** operation retrieves the TypeDescriptors that reference Identifiers and are descendants of the specified **TypeDescriptor**. A **TypeDescriptor** is a descendent of the specified **TypeDescriptor** if the **TypeDescriptor** that

contains the **TypeDescriptor** is also a descendent of the specified **TypeDescriptor** or the **TypeDescriptor** is contained by the specified **TypeDescriptor**. [<61>](#)

```
<wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_OutputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorInvalidOperationExceptionFau
lt" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_InvalidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentOutOfRangeExceptionF
ault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDes
criptor_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId of the specified <b>TypeDescriptor</b> is set to zero ("0")<62>.
<a href="http://schemas.microsoft.com/SharePoint/2003/MSRPC/Types/ExceptionState">MetadataObjectNotFoundStateException</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2003/MSRPC/Types">Microsoft.SharePoint.BusinessData</a> )	The specified <b>TypeDescriptor</b> does not exist.<63>

### 3.1.4.41.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InputMessage	The request WSDL message for the <b>GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_OutputMessage	The response WSDL message for the <b>GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</b> WSDL operation.

#### 3.1.4.41.1.1

### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

The SOAP action value is:

`http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor`

The SOAP body contains the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** element.

### 3.1.4.41.1.2

#### **BusinessDataCatalogSharedService\_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor\_OutputMessage**

The response WSDL message for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse** element.

### 3.1.4.41.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor	The input data for the <b>GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</b> WSDL operation.
GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse	The result data for the <b>GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</b> WSDL operation.

#### 3.1.4.41.2.1 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor

The input data for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

```
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="typeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorStruct:** The TypeDescriptor. The partition (1) of the **TypeDescriptor** MUST be the partition (1) of the protocol client.

#### 3.1.4.41.2.2 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse

The result data for the **GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor** WSDL operation.

```
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResult" nillable="true"
        type="tns6:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:sequence>
</xs:complexType>
</xs:element>
```

**GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResult:** The list of TypeDescriptors. The partition (1) of each of these **TypeDescriptors** MUST be the partition (1) of the protocol client.

### 3.1.4.41.3 Complex Types

None.

### 3.1.4.41.4 Simple Types

None.

### 3.1.4.41.5 Attributes

None.

### 3.1.4.41.6 Groups

None.

### 3.1.4.41.7 Attribute Groups

None.

### 3.1.4.42 GetDataClassById

The **GetDataClassById** operation retrieves the **DataClass** with the specified **MetadataObjectId**.

```
<wsdl:operation name="GetDataClassById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassById"
    message="i0:BusinessDataCatalogSharedService_GetDataClassById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetDataClassById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetDataClassById_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetDataClassById_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
```

```

message="i0:BusinessDataCatalogSharedService_GetDataClassById_InvalidOperationExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_MetadataExceptionStateFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_ArgumentExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_ArgumentNullExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetDataClassById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetDataClassById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>DataClass</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.42.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetDataClassById_InputMessage	The request WSDL message for the <b>GetDataClassById</b> WSDL operation.
BusinessDataCatalogSharedService_GetDataClassById_OutputMessage	The response WSDL message for the <b>GetDataClassById</b> WSDL operation.



### 3.1.4.42.1.1

#### **BusinessDataCatalogSharedService\_GetDataClassById\_InputMessage**

The request WSDL message for the **GetDataClassById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassById
```

The SOAP body contains the **GetDataClassById** element.

### 3.1.4.42.1.2

#### **BusinessDataCatalogSharedService\_GetDataClassById\_OutputMessage**

The response WSDL message for the **GetDataClassById** WSDL operation.

The SOAP body contains the **GetDataClassByIdResponse** element.

### 3.1.4.42.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetDataClassById	The input data for the <b>GetDataClassById</b> WSDL operation.
GetDataClassByIdResponse	The result data for the <b>GetDataClassById</b> WSDL operation.

#### 3.1.4.42.2.1 GetDataClassById

The input data for the **GetDataClassById** WSDL operation.

```
<xs:element name="GetDataClassById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId of the DataClass.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **DataClass** with the specified **MetadataObjectId** exists. If a **DataClass** with the specified **MetadataObjectId** does not exist and the value of this element is set to "false", the protocol server MUST set the value of the **GetDataClassByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.42.2 GetDataClassByIdResponse

The result data for the **GetDataClassById** WSDL operation.

```
<xs:element name="GetDataClassByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetDataClassByIdResult" nillable="true" type="tns6:DataClassStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetDataClassByIdResult:** The DataClass. The partition (1) of this **DataClass** MUST be the partition (1) of the protocol client.

### 3.1.4.42.3 Complex Types

None.

### 3.1.4.42.4 Simple Types

None.

### 3.1.4.42.5 Attributes

None.

### 3.1.4.42.6 Groups

None.

### 3.1.4.42.7 Attribute Groups

None.

### 3.1.4.43 GetDataClassesForSystem

The **GetDataClassesForSystem** operation retrieves DataClasses contained by the specified LobSystem.

```
<wsdl:operation name="GetDataClassesForSystem" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystem"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemArgumentOutOfRangeOutOfRangeExceptionFault"
name="ArgumentOutOfRangeOutOfRangeExceptionFault"/>
</wsdl:operation>
```

```

message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetDataClassesForSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetDataClassesForSystem\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/MS-BDCWS-2009-01-01-Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/MS-BDCWS-2009-01-01-Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>LobSystem</b> does not exist. <64>

### 3.1.4.43.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage	The request WSDL message

Message	Description
	for the <b>GetDataClassesForSystem</b> WSDL operation.
BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage	The response WSDL message for the <b>GetDataClassesForSystem</b> WSDL operation.

### 3.1.4.43.1.1

#### BusinessDataCatalogSharedService\_GetDataClassesForSystem\_InputMessage

The request WSDL message for the **GetDataClassesForSystem** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystem
```

The SOAP body contains the **GetDataClassesForSystem** element.

### 3.1.4.43.1.2

#### BusinessDataCatalogSharedService\_GetDataClassesForSystem\_OutputMessage

The response WSDL message for the **GetDataClassesForSystem** WSDL operation.

The SOAP body contains the **GetDataClassesForSystemResponse** element.

### 3.1.4.43.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetDataClassesForSystem	The input data for the <b>GetDataClassesForSystem</b> WSDL operation.
GetDataClassesForSystemResponse	The result data for the <b>GetDataClassesForSystem</b> WSDL operation.

### 3.1.4.43.2.1 GetDataClassesForSystem

The input data for the **GetDataClassesForSystem** WSDL operation.

```
<xs:element name="GetDataClassesForSystem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    </xs:complexType>
  </xs:element>

```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**activeOnly:** Specifies the DataClasses to return. If this element is set to "true", only the active **DataClasses** MUST be returned. Otherwise, this operation MUST return **DataClasses** contained by the specified **LobSystem**, regardless of their active status.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.43.2 GetDataClassesForSystemResponse

The result data for the **GetDataClassesForSystem** WSDL operation.

```

<xs:element name="GetDataClassesForSystemResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetDataClassesForSystemResult" nillable="true" type="tns6:ArrayOfDataClassStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetDataClassesForSystemResult:** The list of DataClasses. The partition (1) of each of these **DataClasses** MUST be the partition (1) of the protocol client.

### 3.1.4.43.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfDataClassStruct	Contains a list of DataClasses.

#### 3.1.4.43.3.1 ArrayOfDataClassStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfDataClassStruct** complex type is a list of DataClasses.

```

<xs:complexType name="ArrayOfDataClassStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DataClassStruct" nillable="true"
      type="tns6:DataClassStruct"/>
  </xs:sequence>
</xs:complexType>

```

**DataClassStruct:** A **DataClass**.

### 3.1.4.43.4 Simple Types

None.

### 3.1.4.43.5 Attributes

None.

### 3.1.4.43.6 Groups

None.

### 3.1.4.43.7 Attribute Groups

None.

### 3.1.4.44 GetDefaultValuesForTypeDescriptor

The **GetDefaultValuesForTypeDescriptor** operation retrieves the DefaultValues of the specified TypeDescriptor.

```
<wsdl:operation name="GetDefaultValuesForTypeDescriptor"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_MetadataExcept
ionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_BdcExceptionSt
ateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
```

```

name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentNullEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentOutOfR
angeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The <b>TypeDescriptor</b> with the specified <b>MetadataObjectId</b> does not exist.

### 3.1.4.44.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage	The request WSDL message for the <b>GetDefaultValuesForTypeDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage	The response WSDL message for the <b>GetDefaultValuesForTypeDescriptor</b> WSDL operation.

#### 3.1.4.44.1.1

### BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_InputMessage

The request WSDL message for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetDefaultValuesForTypeDescriptor** element.

### 3.1.4.44.1.2

#### **BusinessDataCatalogSharedService\_GetDefaultValuesForTypeDescriptor\_Output Message**

The response WSDL message for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetDefaultValuesForTypeDescriptorResponse** element.

### 3.1.4.44.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetDefaultValuesForTypeDescriptor	The input data for the <b>GetDefaultValuesForTypeDescriptor</b> WSDL operation.
GetDefaultValuesForTypeDescriptorResponse	The result data for the <b>GetDefaultValuesForTypeDescriptor</b> WSDL operation.

#### 3.1.4.44.2.1 GetDefaultValuesForTypeDescriptor

The input data for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="GetDefaultValuesForTypeDescriptor"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorId:** The MetadataObjectId of the TypeDescriptor.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.44.2.2 GetDefaultValuesForTypeDescriptorResponse

The result data for the **GetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="GetDefaultValuesForTypeDescriptorResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```



```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetDefaultValuesForTypeDescriptorResult" nillable="true"
type="tns6:ArrayOfDefaultValueStruct"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetDefaultValuesForTypeDescriptorResult:** The DefaultValues of the specified TypeDescriptor.

### 3.1.4.44.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfDefaultValueStruct	Contains a list of DefaultValues.

#### 3.1.4.44.3.1 ArrayOfDefaultValueStruct

**Namespace:** Microsoft.SharePoint.BusinessData

A complex type that specifies a list of DefaultValues, as follows.

```

<xs:complexType name="ArrayOfDefaultValueStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultValueStruct" nillable="true"
type="tns6:DefaultValueStruct"/>
  </xs:sequence>
</xs:complexType>

```

**DefaultValueStruct:** A DefaultValue.

#### 3.1.4.44.4 Simple Types

None.

#### 3.1.4.44.5 Attributes

None.

#### 3.1.4.44.6 Groups

None.

#### 3.1.4.44.7 Attribute Groups

None.

### 3.1.4.45 GetEntitiesForAssociationAndRole

The **GetEntitiesForAssociationAndRole** operation retrieves the Entities that perform the role of source or destination for the specified Association.

```

<wsdl:operation name="GetEntitiesForAssociationAndRole"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRole"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InvalidOperatio
nExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentOutOfRa
ngeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_BdcExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_MetadataExcepti
onStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentNullExc
eptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The value of the <b>role</b> parameter is not zero ("0") or "1".<65>
<a href="http://schemas.microsoft.com/sharepoint/businessdata">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Association</b> does not exist.<66>

### 3.1.4.45.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage	The request WSDL message for the <b>GetEntitiesForAssociationAndRole</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage	The response WSDL message for the <b>GetEntitiesForAssociationAndRole</b> WSDL operation.

#### 3.1.4.45.1.1

### BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_InputMessage

The request WSDL message for the **GetEntitiesForAssociationAndRole** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRole
```

The SOAP body contains the **GetEntitiesForAssociationAndRole** element.

#### 3.1.4.45.1.2

### BusinessDataCatalogSharedService\_GetEntitiesForAssociationAndRole\_OutputMessage

The response WSDL message for the **GetEntitiesForAssociationAndRole** WSDL operation.

The SOAP body contains the **GetEntitiesForAssociationAndRoleResponse** element.

### 3.1.4.45.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntitiesForAssociationAndRole	The input data for the <b>GetEntitiesForAssociationAndRole</b> WSDL operation.
GetEntitiesForAssociationAndRoleResponse	The result data for the <b>GetEntitiesForAssociationAndRole</b> WSDL operation.

### 3.1.4.45.2.1 GetEntitiesForAssociationAndRole

The input data for the **GetEntitiesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntitiesForAssociationAndRole"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId of the Association.

**role:** Specifies the Entities to be returned. The following table describes possible values.

Value	Description
0	The <b>Entities</b> are sources of the <b>Association</b> .
1	The <b>Entity</b> is the destinations of the <b>Association</b> .

**activeOnly:** This element MUST contain information about the **Entities** to be returned. If set to "true", the returned **Entities** MUST all be active. Otherwise, this operation MUST return **Entities**, regardless of the active status.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.45.2.2 GetEntitiesForAssociationAndRoleResponse

The result data for the **GetEntitiesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntitiesForAssociationAndRoleResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntitiesForAssociationAndRoleResult" nillable="true"
type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntitiesForAssociationAndRoleResult:** The list of Entities. The partition (1) of these **Entities** MUST be the partition (1) of the protocol client.

### 3.1.4.45.3 Complex Types

None.

### 3.1.4.45.4 Simple Types

None.

### 3.1.4.45.5 Attributes

None.

### 3.1.4.45.6 Groups

None.

### 3.1.4.45.7 Attribute Groups

None.

### 3.1.4.46 GetEntitiesForSystem

The **GetEntitiesForSystem** operation retrieves Entities of the specified LobSystem.

```
<wsdl:operation name="GetEntitiesForSystem" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystem"
    message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemResponse"
    message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
```

```

message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForSystemArgumentNullExceptionFault">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>LobSystem</b> does not exist.<67>

### 3.1.4.46.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage	The request WSDL message for the <b>GetEntitiesForSystem</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage	The response WSDL message for the <b>GetEntitiesForSystem</b> WSDL operation.

#### 3.1.4.46.1.1

### BusinessDataCatalogSharedService\_GetEntitiesForSystem\_InputMessage

The request WSDL message for the **GetEntitiesForSystem** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetEntitiesForSystem** element.

### 3.1.4.46.1.2

#### **BusinessDataCatalogSharedService\_GetEntitiesForSystem\_OutputMessage**

The response WSDL message for the **GetEntitiesForSystem** WSDL operation.

The SOAP body contains the **GetEntitiesForSystemResponse** element.

### 3.1.4.46.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntitiesForSystem	The input data for the <b>GetEntitiesForSystem</b> WSDL operation.
GetEntitiesForSystemResponse	The result data for the <b>GetEntitiesForSystem</b> WSDL operation.

#### 3.1.4.46.2.1 GetEntitiesForSystem

The input data for the **GetEntitiesForSystem** WSDL operation.

```
<xs:element name="GetEntitiesForSystem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**activeOnly:** This element MUST contain information about the Entities to be returned. If set to "true", the returned **Entities** MUST all be active. Otherwise, this operation MUST return **Entities**, regardless of the active status.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.46.2.2 GetEntitiesForSystemResponse

The result data for the **GetEntitiesForSystem** WSDL operation.

```
<xs:element name="GetEntitiesForSystemResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntitiesForSystemResult" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetEntitiesForSystemResult:** The list of Entities. The partition (1) of these **Entities** MUST be the partition (1) of the protocol client.

### 3.1.4.46.3 Complex Types

None.

### 3.1.4.46.4 Simple Types

None.

### 3.1.4.46.5 Attributes

None.

### 3.1.4.46.6 Groups

None.

### 3.1.4.46.7 Attribute Groups

None.

### 3.1.4.47 GetEntitiesLikeNameAndNamespace

The **GetEntitiesLikeNameAndNamespace** operation retrieves the Entities that match the specified wildcard patterns for name and namespace.

An **Entity** matches the pattern specified by **wildcardedName** if, and only if, **wildcardedName** matches the name of the **Entity**, the localized name of the **Entity** with language code identifier (LCID) set to zero, or the localized name of the **Entity** with the LCID specified by **callerCultureLcid**.

An **Entity** matches the pattern specified by **wildcardedNamespace** if, and only if, **wildcardedNamespace** matches the namespace of the **Entity**.

```

<wsdl:operation name="GetEntitiesLikeNameAndNamespace"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespace"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

```



```

edService/GetEntitiesLikeNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InvalidOperation
ExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_BdcExceptionStat
eFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentOutofRan
geExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_MetadataExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentNullExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#).

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentException">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The length of the <b>wildcardedName</b> element exceeds 255 characters, or the length of the name of the <b>wildcardedNamespace</b> exceeds 255 characters, or the specified <b>wildcardedName</b> is invalid, or the specified <b>wildcardedNamespace</b> is invalid.

### 3.1.4.47.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage	The request WSDL message for the <b>GetEntitiesLikeNameAndNamespace</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage	The response WSDL message for the <b>GetEntitiesLikeNameAndNamespace</b> WSDL operation.

#### 3.1.4.47.1.1

#### **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_InputMessage**

The request WSDL message for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesLikeNameAndNamespace
```

The SOAP body contains the **GetEntitiesLikeNameAndNamespace** element.

#### 3.1.4.47.1.2

#### **BusinessDataCatalogSharedService\_GetEntitiesLikeNameAndNamespace\_OutputMessage**

The response WSDL message for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

The SOAP body contains the **GetEntitiesLikeNameAndNamespaceResponse** element.

#### 3.1.4.47.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntitiesLikeNameAndNamespace	The input data for the <b>GetEntitiesLikeNameAndNamespace</b> WSDL operation.
GetEntitiesLikeNameAndNamespaceResponse	The result data for the <b>GetEntitiesLikeNameAndNamespace</b> WSDL operation.

#### 3.1.4.47.2.1 **GetEntitiesLikeNameAndNamespace**

The input data for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntitiesLikeNameAndNamespace"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="wildcardedNamespace" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="wildcardedName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
    <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**wildcardedNamespace:** The wildcard pattern to be used to retrieve the Entities whose namespace matches the wildcard pattern.

The following is the ABNF for the **wildcardedNamespace**.

```

wildcardedNamespace = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A

```

The protocol server MUST match the namespace of the **Entities** with the value of **wildcardedNamespace** when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows:

```

EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = * (%x00-FF)

```

**wildcardedName:** The wildcard pattern to be used to retrieve the **Entities** whose name or localized name matches the wildcard pattern.

The following is the ABNF for the **wildcardedName**.

```

wildcardedName = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A

```

The protocol server MUST match the name or localized name of the **Entities** with the value of **wildcardedName** when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows:

```

EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = * (%x00-FF)

```

**callerCultureLcid:** The language code identifier (LCID) representing the locale to be used when retrieving the Entities.

**activeOnly:** This element MUST contain the information about the **Entities** to be returned. If set to "true", the returned **Entities** MUST all be active. Otherwise, this operation MUST return **Entities** regardless of the active status.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.47.2.2 GetEntitiesLikeNameAndNamespaceResponse

The result data for the **GetEntitiesLikeNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntitiesLikeNameAndNamespaceResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetEntitiesLikeNameAndNamespaceResult" nillable="true"
        type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntitiesLikeNameAndNamespaceResult:** The list of Entities. The partition (1) of these **Entities** MUST be the partition (1) of the protocol client.

### 3.1.4.47.3 Complex Types

None.

### 3.1.4.47.4 Simple Types

None.

### 3.1.4.47.5 Attributes

None.

### 3.1.4.47.6 Groups

None.

### 3.1.4.47.7 Attribute Groups

None.

### 3.1.4.48 GetEntitiesReferencedByModelId

The **GetEntitiesReferencedByModelId** operation retrieves Entities that are referenced by the specified Model.

```
<wsdl:operation name="GetEntitiesReferencedByModelId"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetEntitiesReferencedByModelId"
```

```

message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentException
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentOutOfRang
eExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_BdcExceptionState
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InvalidOperationE
xceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_MetadataException
StateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentNullExcep
tionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/2009/BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/2009/BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Model</b> does not exist. <68>

### 3.1.4.48.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage	The request WSDL message for the <b>GetEntitiesReferencedByModelId</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage	The response WSDL message for the <b>GetEntitiesReferencedByModelId</b> WSDL operation.

#### 3.1.4.48.1.1

##### **BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_InputMessage**

The request WSDL message for the **GetEntitiesReferencedByModelId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesReferencedByModelId
```

The SOAP body contains the **GetEntitiesReferencedByModelId** element.

#### 3.1.4.48.1.2

##### **BusinessDataCatalogSharedService\_GetEntitiesReferencedByModelId\_OutputMessage**

The response WSDL message for the **GetEntitiesReferencedByModelId** WSDL operation.

The SOAP body contains the **GetEntitiesReferencedByModelIdResponse** element.

### 3.1.4.48.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntitiesReferencedByModelId	The input data for the <b>GetEntitiesReferencedByModelId</b> WSDL operation.
GetEntitiesReferencedByModelIdResponse	The result data for the <b>GetEntitiesReferencedByModelId</b> WSDL operation.

#### 3.1.4.48.2.1 GetEntitiesReferencedByModelId

The input data for the **GetEntitiesReferencedByModelId** WSDL operation.

```

<xs:element name="GetEntitiesReferencedByModelId"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element
        xmlns:tns5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants"
        minOccurs="0" name="mode"
        type="tns5:EntityConstants.EntitiesInModelQuery"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**metadataObjectId:** The MetadataObjectId of the Model.

**mode:** Specifies the Entities to be returned. The value of this element is specified in **EntityConstants.EntitiesInModelQuery** (section [3.1.4.48.4.1](#)).

**activeOnly:** This element MUST contain information about the **Entities** to be returned. If it is set to "true", the returned **Entities** MUST all be active. Otherwise, this operation MUST return **Entities** regardless of the active status.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.48.2.2 GetEntitiesReferencedByModelIdResponse

The result data for the **GetEntitiesReferencedByModelId** WSDL operation.

```

<xs:element name="GetEntitiesReferencedByModelIdResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetEntitiesReferencedByModelIdResult" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetEntitiesReferencedByModelIdResult:** The list of Entities. The partition (1) of these **Entities** MUST be the partition (1) of the protocol client.

### 3.1.4.48.3 Complex Types

None.

### 3.1.4.48.4 Simple Types

The following table summarizes the XML schema simple type definitions that are specific to this operation.

Simple type	Description
EntityConstants.EntitiesInModelQuery	Contains a list of Entities to be returned.

### 3.1.4.48.4.1 EntityConstants.EntitiesInModelQuery

**Namespace:**

http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants

Specifies the Entities to be returned.

```
<xs:simpleType name="EntityConstants.EntitiesInModelQuery"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AllEntitiesInModel"/>
    <xs:enumeration value="OwnedEntitiesInModel"/>
    <xs:enumeration value="SharedEntitiesInModel"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for **EntityConstants.EntitiesInModelQuery**.

Value	Meaning
AllEntitiesInModel	Return all <b>Entities</b> referenced by the specified Model.
OwnedEntitiesInModel	Returned <b>Entities</b> MUST be referenced only in the specified <b>Model</b> .
SharedEntitiesInModel	Returned <b>Entities</b> MUST be referenced in the specified <b>Model</b> and in other <b>Models</b> .

### 3.1.4.48.5 Attributes

None.

### 3.1.4.48.6 Groups

None.

### 3.1.4.48.7 Attribute Groups

None.

### 3.1.4.49 GetEntityById

The **GetEntityById** operation retrieves the Entity with the specified MetadataObjectId.

```
<wsdl:operation name="GetEntityById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityById"
message="i0:BusinessDataCatalogSharedService_GetEntityById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```



```

<wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_ArgumentOutOfRangeException_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_BdcExceptionStateFault_FaultMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_InvalidOperationExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_MetadataExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_ArgumentExceptionFault_FaultMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_ArgumentNullExceptionFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	An <b>Entity</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.49.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntityById_InputMessage	The request WSDL message for the <b>GetEntityById</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntityById_OutputMessage	The response WSDL message for the <b>GetEntityById</b> WSDL operation.

#### 3.1.4.49.1.1 BusinessDataCatalogSharedService\_GetEntityById\_InputMessage

The request WSDL message for the **GetEntityById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityById
```

The SOAP body contains the **GetEntityById** element.

#### 3.1.4.49.1.2 BusinessDataCatalogSharedService\_GetEntityById\_OutputMessage

The response WSDL message for the **GetEntityById** WSDL operation.

The SOAP body contains the **GetEntityByIdResponse** element.

### 3.1.4.49.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntityById	The input data for the <b>GetEntityById</b> WSDL operation.
GetEntityByIdResponse	The result data for the <b>GetEntityById</b> WSDL operation.

#### 3.1.4.49.2.1 GetEntityById

The input data for the **GetEntityById** WSDL operation.

```
<xs:element name="GetEntityById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if an **Entity** with the specified **MetadataObjectId** exists. If an **Entity** with the specified **MetadataObjectId** does not exist and the value of this element is set to "false", the protocol server MUST set the value of the **GetEntityByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.49.2.2 GetEntityByIdResponse

The result data for the **GetEntityById** WSDL operation.

```
<xs:element name="GetEntityByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntityByIdResult" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntityByIdResult:** The Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.49.3 Complex Types

None.

### 3.1.4.49.4 Simple Types

None.

### 3.1.4.49.5 Attributes

None.

### 3.1.4.49.6 Groups

None.

### 3.1.4.49.7 Attribute Groups

None.

### 3.1.4.50 GetEntityCount

The **GetEntityCount** operation retrieves the number of Entities that are contained by the specified LobSystem.

```
<wsdl:operation name="GetEntityCount" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
```

```

    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCount"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_ArgumentOutOfRangeException_Fault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_BdcExceptionStateFault_FaultMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_InvalidOperationExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_MetadataExceptionStateFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_ArgumentExceptionFault_FaultMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_ArgumentNullExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityCount\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityCount\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified MetadataObjectId is set to zero ("0").<69>
<a href="#">MetadataObjectNotFoundExceptionState (from namespace</a>	The specified <b>LobSystem</b> does

Error complex type	Condition
<a href="#">Microsoft.SharePoint.BusinessData</a> )	not exist. <70>

### 3.1.4.50.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntityCount_InputMessage	The request WSDL message for the <b>GetEntityCount</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntityCount_OutputMessage	The response WSDL message for the <b>GetEntityCount</b> WSDL operation.

#### 3.1.4.50.1.1 BusinessDataCatalogSharedService\_GetEntityCount\_InputMessage

The request WSDL message for the **GetEntityCount** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityCount
```

The SOAP body contains the **GetEntityCount** element.

#### 3.1.4.50.1.2 BusinessDataCatalogSharedService\_GetEntityCount\_OutputMessage

The response WSDL message for the **GetEntityCount** WSDL operation.

The SOAP body contains the **GetEntityCountResponse** element.

### 3.1.4.50.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntityCount	The input data for the <b>GetEntityCount</b> WSDL operation.
GetEntityCountResponse	The result data for the <b>GetEntityCount</b> WSDL operation.

#### 3.1.4.50.2.1 GetEntityCount

The input data for the **GetEntityCount** WSDL operation.

```
<xs:element name="GetEntityCount" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
<xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.50.2.2 GetEntityCountResponse

The result data for the **GetEntityCount** WSDL operation.

```
<xs:element name="GetEntityCountResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetEntityCountResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntityCountResult:** The number of Entities contained by the specified LobSystem.

### 3.1.4.50.3 Complex Types

None.

### 3.1.4.50.4 Simple Types

None.

### 3.1.4.50.5 Attributes

None.

### 3.1.4.50.6 Groups

None.

### 3.1.4.50.7 Attribute Groups

None.

### 3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole

The **GetEntityNameAndNamespacesForAssociationAndRole** operation retrieves the names and namespaces of Entities that are referenced by the specified Association. Only **Entities** in the specified association role of source or destination are returned.

```
<wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetEntityNameAndNamespacesForAssociationAndRole"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
OutputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
InvalidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero, or the value of the <b>role</b> parameter is not zero ("0") or "1" <a href="#">&lt;71&gt;</a> .
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessDataMetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Association</b> does not exist <a href="#">&lt;72&gt;</a> .

### 3.1.4.51.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InputMessage	The request WSDL message for the <b>GetEntityNameAndNamespacesForAssociationAndRole</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_OutputMessage	The response WSDL message for the <b>GetEntityNameAndNamespacesForAssociationAndRole</b> WSDL operation.

#### 3.1.4.51.1.1

### **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_InputMessage**

The request WSDL message for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityNameAndNamespacesForAssociationAndRole>

The SOAP body contains the **GetEntityNameAndNamespacesForAssociationAndRole** element.

#### 3.1.4.51.1.2

### **BusinessDataCatalogSharedService\_GetEntityNameAndNamespacesForAssociationAndRole\_OutputMessage**

The response WSDL message for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

The SOAP body contains the **GetEntityNameAndNamespacesForAssociationAndRoleResponse** element.

### 3.1.4.51.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.



Element	Description
GetEntityNameAndNamespacesForAssociationAndRole	The input data for the <b>GetEntityNameAndNamespacesForAssociationAndRole</b> WSDL operation.
GetEntityNameAndNamespacesForAssociationAndRole Response	The result data for the <b>GetEntityNameAndNamespacesForAssociationAndRole</b> WSDL operation.

### 3.1.4.51.2.1 GetEntityNameAndNamespacesForAssociationAndRole

The input data for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntityNameAndNamespacesForAssociationAndRole"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**associationId:** The MetadataObjectId of the Association for which the Entity information is to be returned.

**role:** A byte that specifies whether to return information for the **Entities** that are referenced as **Association** source or **Association** destination by the specified **Association**. The following table describes possible values.

Value	Description
0	Returns a value for <b>Entities</b> that are referenced as <b>Association</b> sources by the specified <b>Association</b> .
1	Returns a value for <b>Entities</b> that are referenced as <b>Association</b> destination by the specified <b>Association</b> .

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.51.2.2 GetEntityNameAndNamespacesForAssociationAndRoleResponse

The result data for the **GetEntityNameAndNamespacesForAssociationAndRole** WSDL operation.

```
<xs:element name="GetEntityNameAndNamespacesForAssociationAndRoleResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="namespaces" nillable="true" type="q7:ArrayOfstring"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="names" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:sequence>
</xs:complexType>
</xs:element>
```

**namespaces:** The namespaces of the Entities that are referenced by the specified Association in the specified role of source or **Association** destination.

**names:** The names of the **Entities** that are referenced by the specified **Association** in the specified role of source or destination. The order of these names MUST correspond to the order of namespaces, so that the *n*th name and the *n*th namespace together describe the name and namespace of a single **Entity**.

### 3.1.4.51.3 Complex Types

None.

### 3.1.4.51.4 Simple Types

None.

### 3.1.4.51.5 Attributes

None.

### 3.1.4.51.6 Groups

None.

### 3.1.4.51.7 Attribute Groups

None.

### 3.1.4.52 GetEntityWithNameAndNamespace

The **GetEntityWithNameAndNamespace** operation retrieves the active Entity with the specified name and namespace in the specified partition (1).

```
<wsdl:operation name="GetEntityWithNameAndNamespace"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespace"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_BdcExceptionStateF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/GetEntityWithNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified name or the specified namespace exceeds 255 characters.
<a href="http://schemas.microsoft.com/sharepoint/2009/BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	An active <b>Entity</b> with the specified namespace and name does not exist in the specified partition (1).

### 3.1.4.52.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage	The request WSDL message for the <b>GetEntityWithNameAndName</b>

Message	Description
	<b>space</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage	The response WSDL message for the <b>GetEntityWithNameAndNamespace</b> WSDL operation.

### 3.1.4.52.1.1

#### BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_InputMessage

The request WSDL message for the **GetEntityWithNameAndNamespace** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespace
```

The SOAP body contains the **GetEntityWithNameAndNamespace** element.

### 3.1.4.52.1.2

#### BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespace\_OutputMessage

The response WSDL message for the **GetEntityWithNameAndNamespace** WSDL operation.

The SOAP body contains the **GetEntityWithNameAndNamespaceResponse** element.

### 3.1.4.52.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntityWithNameAndNamespace	The input data for the <b>GetEntityWithNameAndNamespace</b> WSDL operation.
GetEntityWithNameAndNamespaceResponse	The result data for the <b>GetEntityWithNameAndNamespace</b> WSDL operation.

#### 3.1.4.52.2.1 GetEntityWithNameAndNamespace

The input data for the **GetEntityWithNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntityWithNameAndNamespace" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    
```

```
</xs:sequence>
</xs:complexType>
</xs:element>
```

**namespace:** The namespace of the Entity to be returned.

**name:** The name of the **Entity** to be returned.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.52.2 GetEntityWithNameAndNamespaceResponse

The result data for the **GetEntityWithNameAndNamespace** WSDL operation.

```
<xs:element name="GetEntityWithNameAndNamespaceResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntityWithNameAndNamespaceResult" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntityWithNameAndNamespaceResult:** The Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.52.3 Complex Types

None.

### 3.1.4.52.4 Simple Types

None.

### 3.1.4.52.5 Attributes

None.

### 3.1.4.52.6 Groups

None.

### 3.1.4.52.7 Attribute Groups

None.

### 3.1.4.53 GetEntityWithNameAndNamespaceAndVersion

The **GetEntityWithNameAndNamespaceAndVersion** operation retrieves the Entity with the specified name, namespace, and version.

```
<wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
```

```

    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersion"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argument
ExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argument
NullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argument
OutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_BdcExcep
tionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InvalidO
perationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Metadata
ExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The length of the specified name or the length of the specified namespace exceeds 255 characters.
<a href="http://schemas.microsoft.com/sharepoint/businessdata">MetadataObjectNotFoundStateException</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata">Microsoft.SharePoint.BusinessData</a> )	An <b>Entity</b> with the specified namespace and name and version does not exist in the specified partition (1).

### 3.1.4.53.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMessage	The request WSDL message for the <b>GetEntityWithNameAndNamespaceAndVersion</b> WSDL operation.
BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMessage	The response WSDL message for the <b>GetEntityWithNameAndNamespaceAndVersion</b> WSDL operation.

#### 3.1.4.53.1.1

#### **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_InputMessage**

The request WSDL message for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceAndVersion
```

The SOAP body contains the **GetEntityWithNameAndNamespaceAndVersion** element.

#### 3.1.4.53.1.2

#### **BusinessDataCatalogSharedService\_GetEntityWithNameAndNamespaceAndVersion\_OutputMessage**

The response WSDL message for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

The SOAP body contains the **GetEntityWithNameAndNamespaceAndVersionResponse** element.

### 3.1.4.53.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetEntityWithNameAndNamespaceAndVersion	The input data for the <b>GetEntityWithNameAndNamespaceAndVersion</b> WSDL operation.
GetEntityWithNameAndNamespaceAndVersionResponse	The result data for the <b>GetEntityWithNameAndNamespaceAndVersion</b> WSDL operation.

### 3.1.4.53.2.1 GetEntityWithNameAndNamespaceAndVersion

The input data for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

```
<xs:element name="GetEntityWithNameAndNamespaceAndVersion"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="version" nillable="true" type="q1:Version"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**namespace:** The namespace of the Entity to be returned.

**name:** The name of the **Entity** to be returned.

**version:** The version of the **Entity** to be returned.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.53.2.2 GetEntityWithNameAndNamespaceAndVersionResponse

The result data for the **GetEntityWithNameAndNamespaceAndVersion** WSDL operation.

```
<xs:element name="GetEntityWithNameAndNamespaceAndVersionResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntityWithNameAndNamespaceAndVersionResult" nillable="true"
type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetEntityWithNameAndNamespaceAndVersionResult:** The Entity. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.



### 3.1.4.53.3 Complex Types

None.

### 3.1.4.53.4 Simple Types

None.

### 3.1.4.53.5 Attributes

None.

### 3.1.4.53.6 Groups

None.

### 3.1.4.53.7 Attribute Groups

None.

### 3.1.4.54 GetFieldTypeDescriptorsByMethodInstance

The **GetFieldTypeDescriptorsByMethodInstance** operation retrieves TypeDescriptors that correspond to fields (4) of the MethodInstance with the specified name in the specified Entity.

```
<wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstance"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceResponse"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_BdcExcep
tionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InvalidO
perationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Metadata
ExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
```

```

message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argument
ExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argument
NullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argument
OutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	<p>The <b>MethodInstanceType</b> (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel) of the <b>MethodInstance</b> with the specified name in the specified <b>Entity</b> is not equal to any one of the following:</p> <ul style="list-style-type: none"> <li>▪ Finder</li> <li>▪ SpecificFinder</li> <li>▪ IdEnumerator</li> <li>▪ ChangedIdEnumerator</li> <li>▪ DeletedIdEnumerator</li> <li>▪ BulkSpecificFinder</li> <li>▪ BulkAssociationNavigator</li> <li>▪ BulkIdEnumerator</li> <li>▪ Creator</li> <li>▪ Updater</li> </ul>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExpectionState (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>MethodInstance</b> with the specified name does not exist in the specified <b>Entity</b> .

### 3.1.4.54.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMessage	The request WSDL message for the <b>GetFieldTypeDescriptorsByMethodInstance</b> WSDL operation.
BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMessage	The response WSDL message for the <b>GetFieldTypeDescriptorsByMethodInstance</b> WSDL operation.

#### 3.1.4.54.1.1

### BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_InputMessage

The request WSDL message for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFieldTypeDescriptorsByMethodInstance>

The SOAP body contains the **GetFieldTypeDescriptorsByMethodInstance** element.

#### 3.1.4.54.1.2

### BusinessDataCatalogSharedService\_GetFieldTypeDescriptorsByMethodInstance\_OutputMessage

The response WSDL message for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

The SOAP body contains the **GetFieldTypeDescriptorsByMethodInstanceResponse** element.

### 3.1.4.54.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetFieldTypeDescriptorsByMethodInstance	The input data for the <b>GetFieldTypeDescriptorsByMethodInstance</b> WSDL operation.
GetFieldTypeDescriptorsByMethodInstanceResponse	The result data for the <b>GetFieldTypeDescriptorsByMethodInstance</b> WSDL operation.

### 3.1.4.54.2.1 GetFieldTypeDescriptorsByMethodInstance

The input data for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

```
<xs:element name="GetFieldTypeDescriptorsByMethodInstance"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodName" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodName:** The name of the MethodInstance.

**entityStruct:** The Entity. The partition (1) of the **Entity** MUST be the partition (1) of the protocol client.

### 3.1.4.54.2.2 GetFieldTypeDescriptorsByMethodInstanceResponse

The result data for the **GetFieldTypeDescriptorsByMethodInstance** WSDL operation.

```
<xs:element name="GetFieldTypeDescriptorsByMethodInstanceResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetFieldTypeDescriptorsByMethodInstanceResult" nillable="true"
type="tns6:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFieldTypeDescriptorsByMethodInstanceResult:** The list of TypeDescriptors. The partition (1) of these **TypeDescriptors** MUST be the partition (1) of the protocol client.

### 3.1.4.54.3 Complex Types

None.

### 3.1.4.54.4 Simple Types

None.

### 3.1.4.54.5 Attributes

None.

### 3.1.4.54.6 Groups

None.

### 3.1.4.54.7 Attribute Groups

None.

### 3.1.4.55 GetFilterDescriptorById

The **GetFilterDescriptorById** operation retrieves the FilterDescriptor with the specified MetadataObjectId.

```
<wsdl:operation name="GetFilterDescriptorById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorById"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetFilterDescriptorById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetFilterDescriptorById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	A <b>FilterDescriptor</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.55.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage	The request WSDL message for the <b>GetFilterDescriptorById</b> WSDL operation.
BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage	The response WSDL message for the <b>GetFilterDescriptorById</b> WSDL operation.

#### 3.1.4.55.1.1

#### **BusinessDataCatalogSharedService\_GetFilterDescriptorById\_InputMessage**

The request WSDL message for the **GetFilterDescriptorById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorById
```

The SOAP body contains the **GetFilterDescriptorById** element.

#### 3.1.4.55.1.2

#### **BusinessDataCatalogSharedService\_GetFilterDescriptorById\_OutputMessage**

The response WSDL message for the **GetFilterDescriptorById** WSDL operation.

The SOAP body contains the **GetFilterDescriptorByIdResponse** element.

### 3.1.4.55.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetFilterDescriptorById	The input data for the <b>GetFilterDescriptorById</b> WSDL operation.
GetFilterDescriptorByIdResponse	The result data for the <b>GetFilterDescriptorById</b> WSDL operation.

#### 3.1.4.55.2.1 GetFilterDescriptorById

The input data for the **GetFilterDescriptorById** WSDL operation.

```
<xs:element name="GetFilterDescriptorById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterDescriptorId:** The MetadataObjectId of the FilterDescriptor.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **FilterDescriptor** exists. If a **FilterDescriptor** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetFilterDescriptorByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.55.2.2 GetFilterDescriptorByIdResponse

The result data for the **GetFilterDescriptorById** WSDL operation.

```
<xs:element name="GetFilterDescriptorByIdResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetFilterDescriptorByIdResult" nillable="true" type="tns6:FilterDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetFilterDescriptorByIdResult:** The FilterDescriptor that was returned. The partition (1) of this **FilterDescriptor** MUST be the partition (1) of the protocol client.

### 3.1.4.55.3 Complex Types

None.

### 3.1.4.55.4 Simple Types

None.

### 3.1.4.55.5 Attributes

None.

### 3.1.4.55.6 Groups

None.

### 3.1.4.55.7 Attribute Groups

None.

### 3.1.4.56 GetFilterDescriptorsForMethod

The **GetFilterDescriptorsForMethod** operation retrieves the FilterDescriptors contained by the specified Method.

```
<wsdl:operation name="GetFilterDescriptorsForMethod"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethod"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodResponse"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
```



```

message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentNullExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFilterDescriptorsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentOutOfRange
ExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the <b>Method</b> is set to zero ("0").<73>
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>Method</b> with the specified <b>MetadataObjectId</b> does not exist.<74>

### 3.1.4.56.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage	The request WSDL message for the <b>GetFilterDescriptorsForMethod</b> WSDL operation.
BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage	The response WSDL message for the <b>GetFilterDescriptorsForMethod</b> WSDL operation.

#### 3.1.4.56.1.1

### BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_InputMessage

The request WSDL message for the **GetFilterDescriptorsForMethod** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethod>

The SOAP body contains the **GetFilterDescriptorsForMethod** element.

### 3.1.4.56.1.2

#### **BusinessDataCatalogSharedService\_GetFilterDescriptorsForMethod\_OutputMessage**

The response WSDL message for the **GetFilterDescriptorsForMethod** WSDL operation.

The SOAP body contains the **GetFilterDescriptorsForMethodResponse** element.

### 3.1.4.56.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetFilterDescriptorsForMethod	The input data for the <b>GetFilterDescriptorsForMethod</b> WSDL operation.
GetFilterDescriptorsForMethodResponse	The result data for the <b>GetFilterDescriptorsForMethod</b> WSDL operation.

#### 3.1.4.56.2.1 GetFilterDescriptorsForMethod

The input data for the **GetFilterDescriptorsForMethod** WSDL operation.

```
<xs:element name="GetFilterDescriptorsForMethod" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method for which the FilterDescriptors are obtained.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.56.2.2 GetFilterDescriptorsForMethodResponse

The result data for the **GetFilterDescriptorsForMethod** WSDL operation.

```
<xs:element name="GetFilterDescriptorsForMethodResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetFilterDescriptorsForMethodResult" nillable="true"
type="tns6:ArrayOfFilterDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetFilterDescriptorsForMethodResult:** The list of FilterDescriptors. The partition (1) of these **FilterDescriptors** MUST be the partition (1) of the protocol client.

### 3.1.4.56.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfFilterDescriptorStruct	Contains a list of FilterDescriptors.

#### 3.1.4.56.3.1 ArrayOfFilterDescriptorStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfFilterDescriptorStruct** complex type contains a list of FilterDescriptors.

```

<xs:complexType name="ArrayOfFilterDescriptorStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="FilterDescriptorStruct"
nillable="true" type="tns6:FilterDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>

```

**FilterDescriptorStruct:** A **FilterDescriptor** of a Method.

#### 3.1.4.56.4 Simple Types

None.

#### 3.1.4.56.5 Attributes

None.

#### 3.1.4.56.6 Groups

None.

#### 3.1.4.56.7 Attribute Groups

None.

#### 3.1.4.57 GetIdentifierById

The **GetIdentifierById** operation retrieves the Identifier with the specified MetadataObjectId.

```

<wsdl:operation name="GetIdentifierById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierById"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_InvalidOperationExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentNullExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_MetadataExceptionStateFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentExceptionFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_BdcExceptionStateFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetIdentifierById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetIdentifierById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").

Error complex type	Condition
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	An <b>Identifier</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.57.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetIdentifierById_InputMessage	The request WSDL message for the <b>GetIdentifierById</b> WSDL operation.
BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage	The response WSDL message for the <b>GetIdentifierById</b> WSDL operation.

#### 3.1.4.57.1.1

##### **BusinessDataCatalogSharedService\_GetIdentifierById\_InputMessage**

The request WSDL message for the **GetIdentifierById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifierById
```

The SOAP body contains the **GetIdentifierById** element.

#### 3.1.4.57.1.2

##### **BusinessDataCatalogSharedService\_GetIdentifierById\_OutputMessage**

The response WSDL message for the **GetIdentifierById** WSDL operation.

The SOAP body contains the **GetIdentifierByIdResponse** element.

### 3.1.4.57.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetIdentifierById	The input data for the <b>GetIdentifierById</b> WSDL operation.
GetIdentifierByIdResponse	The result data for the <b>GetIdentifierById</b> WSDL operation.

### 3.1.4.57.2.1 GetIdentifierById

The input data for the **GetIdentifierById** WSDL operation.

```
<xs:element name="GetIdentifierById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="identifierId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**identifierId:** The MetadataObjectId of the Identifier.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if an **Identifier** with the specified **MetadataObjectId** exists. If an **Identifier** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetIdentifierByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.57.2.2 GetIdentifierByIdResponse

The result data for the **GetIdentifierById** WSDL operation.

```
<xs:element name="GetIdentifierByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetIdentifierByIdResult" nillable="true" type="tns6:IdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetIdentifierByIdResult:** The Identifier that was returned. The partition (1) of this **Identifier** MUST be the partition (1) of the protocol client.

### 3.1.4.57.3 Complex Types

None.

### 3.1.4.57.4 Simple Types

None.

### 3.1.4.57.5 Attributes

None.

### 3.1.4.57.6 Groups

None.

### 3.1.4.57.7 Attribute Groups

None.

### 3.1.4.58 GetIdentifiersForEntity

The **GetIdentifiersForEntity** operation retrieves the Identifiers contained by the specified Entity.

```
<wsdl:operation name="GetIdentifiersForEntity" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntity"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityResponse"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId of the <b>Entity</b> is set to zero ("0").<75>
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	An <b>Entity</b> with the specified <b>MetadataObjectId</b> does not exist.<76>

### 3.1.4.58.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage	The request WSDL message for the <b>GetIdentifiersForEntity</b> WSDL operation.
BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage	The response WSDL message for the <b>GetIdentifiersForEntity</b> WSDL operation.

#### 3.1.4.58.1.1

#### **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_InputMessage**

The request WSDL message for the **GetIdentifiersForEntity** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntity
```

The SOAP body contains the **GetIdentifiersForEntity** element.

#### 3.1.4.58.1.2

#### **BusinessDataCatalogSharedService\_GetIdentifiersForEntity\_OutputMessage**

The response WSDL message for the **GetIdentifiersForEntity** WSDL operation.

The SOAP body contains the **GetIdentifiersForEntityResponse** element.

### 3.1.4.58.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.



Element	Description
GetIdentifiersForEntity	The input data for the <b>GetIdentifiersForEntity</b> WSDL operation.
GetIdentifiersForEntityResponse	The result data for the <b>GetIdentifiersForEntity</b> WSDL operation.

### 3.1.4.58.2.1 GetIdentifiersForEntity

The input data for the **GetIdentifiersForEntity** WSDL operation.

```
<xs:element name="GetIdentifiersForEntity" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity for which the Identifiers are to be obtained.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.58.2.2 GetIdentifiersForEntityResponse

The result data for the **GetIdentifiersForEntity** WSDL operation.

```
<xs:element name="GetIdentifiersForEntityResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetIdentifiersForEntityResult" nillable="true" type="tns6:ArrayOfIdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetIdentifiersForEntityResult:** The list of Identifiers. The partition (1) of these **Identifiers** MUST be the partition (1) of the protocol client.

### 3.1.4.58.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfIdentifierStruct	Contains a list of Identifiers.

#### 3.1.4.58.3.1 ArrayOfIdentifierStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfIdentifierStruct** complex type contains a list of Identifiers.

```
<xs:complexType name="ArrayOfIdentifierStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="IdentifierStruct" nillable="true"
      type="tns6:IdentifierStruct"/>
  </xs:sequence>
</xs:complexType>
```

**IdentifierStruct**: An **Identifier** of an Entity.

#### 3.1.4.58.4 Simple Types

None.

#### 3.1.4.58.5 Attributes

None.

#### 3.1.4.58.6 Groups

None.

#### 3.1.4.58.7 Attribute Groups

None.

#### 3.1.4.59 GetImportProgress

The **GetImportProgress** operation retrieves the progress of an [ImportPackageWithProgress](#) operation, using the unique identifier provided by the client at the creation of the import operation.

```
<wsdl:operation name="GetImportProgress" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgress"
    message="i0:BusinessDataCatalogSharedService_GetImportProgress_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgressResponse"
    message="i0:BusinessDataCatalogSharedService_GetImportProgress_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetImportProgress\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetImportProgress\_OutputMessage** response message, unless any faults occur.

#### 3.1.4.59.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetImportProgress_InputMessage	The request WSDL message for the <b>GetImportProgress</b> WSDL operation.
BusinessDataCatalogSharedService_GetImportProgress_OutputMessage	The response WSDL message for the <b>GetImportProgress</b> WSDL operation.

### 3.1.4.59.1.1

#### BusinessDataCatalogSharedService\_GetImportProgress\_InputMessage

The request WSDL message for the **GetImportProgress** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetImportProgress
```

The SOAP body contains the **GetImportProgress** element.

### 3.1.4.59.1.2

#### BusinessDataCatalogSharedService\_GetImportProgress\_OutputMessage

The response WSDL message for the **GetImportProgress** WSDL operation.

The SOAP body contains the **GetImportProgressResponse** element.

### 3.1.4.59.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetImportProgress	The input data for the <b>GetImportProgress</b> WSDL operation.
GetImportProgressResponse	The result data for the <b>GetImportProgress</b> WSDL operation.

#### 3.1.4.59.2.1 GetImportProgress

The input data for the **GetImportProgress** WSDL operation.

```
<xs:element name="GetImportProgress" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="jobId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**jobId:** The identifier of the import operation for which the progress is to be retrieved.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.59.2 GetImportProgressResponse

The result data for the **GetImportProgress** WSDL operation.

```
<xs:element name="GetImportProgressResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetImportProgressResult" type="xs:double"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetImportProgressResult:** The fraction of the operation that is finished. The value MUST be in the range 0-1. The value MUST be zero if **jobId** is not recognized as a current import job.

### 3.1.4.59.3 Complex Types

None.

### 3.1.4.59.4 Simple Types

None.

### 3.1.4.59.5 Attributes

None.

### 3.1.4.59.6 Groups

None.

### 3.1.4.59.7 Attribute Groups

None.

### 3.1.4.60 GetLevelForTypeDescriptor

The **GetLevelForTypeDescriptor** operation retrieves the depth of the specified **TypeDescriptor** in the **TypeDescriptor** tree. The **TypeDescriptor** tree for a specified **TypeDescriptor** consists of the specified **TypeDescriptor** with depth zero. Any **TypeDescriptor** that is contained by a **TypeDescriptor** in the **TypeDescriptor** tree is also in the tree with depth 1, plus the depth of the containing **TypeDescriptor**.

```
<wsdl:operation name="GetLevelForTypeDescriptor"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLevelForTypeDescriptor"
    message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_MetadataExceptionState
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_BdcExceptionStateFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InvalidOperationExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
            <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
                <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentNullExceptionF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
                    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentOutOfRangeExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
                        </wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId of the specified <b>TypeDescriptor</b> is set to zero ("0").<77>
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/Types">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/Types">Microsoft.SharePoint.BusinessData</a> )	At least one of the following is true: <ul style="list-style-type: none"> <li>The specified <b>TypeDescriptor</b> does not</li> </ul>

Error complex type	Condition
	<p>exist.&lt;78&gt;</p> <ul style="list-style-type: none"> <li>The specified <b>TypeDescriptor</b> is not the root of the <b>TypeDescriptor</b> tree, and the parent of the specified <b>TypeDescriptor</b> does not exist.</li> <li>An ancestor of the specified <b>TypeDescriptor</b> is not the root of the <b>TypeDescriptor</b> tree that contains the specified <b>TypeDescriptor</b>, and the parent of the ancestor does not exist.</li> </ul>

### 3.1.4.60.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage	The request WSDL message for the <b>GetLevelForTypeDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage	The response WSDL message for the <b>GetLevelForTypeDescriptor</b> WSDL operation.

#### 3.1.4.60.1.1

#### **BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_InputMessage**

The request WSDL message for the **GetLevelForTypeDescriptor** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLevelForTypeDescriptor>

The SOAP body contains the **GetLevelForTypeDescriptor** element.

#### 3.1.4.60.1.2

#### **BusinessDataCatalogSharedService\_GetLevelForTypeDescriptor\_OutputMessage**

The response WSDL message for the **GetLevelForTypeDescriptor** WSDL operation.

The SOAP body contains the **GetLevelForTypeDescriptorResponse** element.

### 3.1.4.60.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLevelForTypeDescriptor	The input data for the <b>GetLevelForTypeDescriptor</b> WSDL operation.
GetLevelForTypeDescriptorResponse	The result data for the <b>GetLevelForTypeDescriptor</b> WSDL operation.

### 3.1.4.60.2.1 GetLevelForTypeDescriptor

The input data for the **GetLevelForTypeDescriptor** WSDL operation.

```
<xs:element name="GetLevelForTypeDescriptor" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="typeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorStruct:** The TypeDescriptor. The partition (1) of the **TypeDescriptor** MUST be the partition (1) of the protocol client.

### 3.1.4.60.2.2 GetLevelForTypeDescriptorResponse

The result data for the **GetLevelForTypeDescriptor** WSDL operation.

```
<xs:element name="GetLevelForTypeDescriptorResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetLevelForTypeDescriptorResult"
type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLevelForTypeDescriptorResult:** The depth of the specified TypeDescriptor in the **TypeDescriptor** tree that contains the **TypeDescriptor**.

### 3.1.4.60.3 Complex Types

None.

### 3.1.4.60.4 Simple Types

None.

### 3.1.4.60.5 Attributes

None.

### 3.1.4.60.6 Groups

None.

### 3.1.4.60.7 Attribute Groups

None.

### 3.1.4.61 GetLobSystemAllAssembliesBytes

The **GetLobSystemAllAssembliesBytes** operation retrieves the Business Logic Modules associated with the specified **LobSystem** if the **systemType** element of the specified **LobSystem** is not set to "Custom". If the **systemType** element of the specified **LobSystem** is set to "Custom", the behavior of this operation is implementation-specific<79>.

```
<wsdl:operation name="GetLobSystemAllAssembliesBytes"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytes"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentOutOfRang
eExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_BdcExceptionState
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_MetadataExcepti
onStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentNullExcep
tionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```



</wsdl:operation>

The protocol client sends a

**BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_InputMessage**

request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_OutputMessage**

response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastucture">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastucture">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastucture</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to read <a href="#">80</a> the specified <b>LobSystem</b> , and the CameThroughRemoteAdminService header specified in section 3.1 is present in the SOAP request
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId of the specified <b>LobSystem</b> is set to zero ("0").

### 3.1.4.61.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage	The request WSDL message for the <b>GetLobSystemAllAssembliesBytes</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage	The response WSDL message for the <b>GetLobSystemAllAssembliesBytes</b> WSDL operation.

#### 3.1.4.61.1.1

### **BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_InputMessage**

The request WSDL message for the **GetLobSystemAllAssembliesBytes** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetLobSystemAllAssembliesBytes** element.

### 3.1.4.61.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemAllAssembliesBytes\_OutputMessage**

The response WSDL message for the **GetLobSystemAllAssembliesBytes** WSDL operation.

The SOAP body contains the **GetLobSystemAllAssembliesBytesResponse** element.

### 3.1.4.61.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemAllAssembliesBytes	The input data for the <b>GetLobSystemAllAssembliesBytes</b> WSDL operation.
GetLobSystemAllAssembliesBytesResponse	The result data for the <b>GetLobSystemAllAssembliesBytes</b> WSDL operation.

#### 3.1.4.61.2.1 GetLobSystemAllAssembliesBytes

The input data for the **GetLobSystemAllAssembliesBytes** WSDL operation.

```
<xs:element name="GetLobSystemAllAssembliesBytes"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem. The partition (1) of the **LobSystem** MUST be the partition (1) of the protocol client.

#### 3.1.4.61.2.2 GetLobSystemAllAssembliesBytesResponse

The result data for the **GetLobSystemAllAssembliesBytes** WSDL operation.

```
<xs:element name="GetLobSystemAllAssembliesBytesResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetLobSystemAllAssembliesBytesResult" nillable="true"
type="q7:ArrayOfbase64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetLobSystemAllAssembliesBytesResult:** The list of Business Logic Modules. If the specified LobSystem is not associated with any Business Logic Module, the protocol server MUST set the value of the element to NULL.

### 3.1.4.61.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfbase64Binary	Contains an array of elements, each containing encoded data.

#### 3.1.4.61.3.1 ArrayOfbase64Binary

**Namespace:** http://schemas.microsoft.com/2003/10/Serialization/Arrays

The **ArrayOfbase64Binary** complex type MUST be an array of elements, where each element contains data encoded with base64 encoding.

```

<xs:complexType name="ArrayOfbase64Binary" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
      type="xs:base64Binary"/>
  </xs:sequence>
</xs:complexType>

```

**base64Binary:** Data encoded with base64 encoding.

#### 3.1.4.61.4 Simple Types

None.

#### 3.1.4.61.5 Attributes

None.

#### 3.1.4.61.6 Groups

None.

#### 3.1.4.61.7 Attribute Groups

None.

### 3.1.4.62 GetLobSystemById

The **GetLobSystemById** operation retrieves the LobSystem with the specified MetadataObjectId.

```

<wsdl:operation name="GetLobSystemById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemById"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_InvalidOperationExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_BdcExceptionStateFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentOutOfRangeExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_MetadataExceptionStateFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentNullExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infras">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infras</a>	The security principal (1) in whose context the protocol client is

Error complex type	Condition
<a href="#">tructure)</a>	operating is not authorized to modify the <b>LobSystem</b> with the specified <b>MetadataObjectId</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section <a href="#">3.1</a> is present in the SOAP request.
<b>AccessDeniedExceptionState</b> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infras">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infras</a> tructure)	The specified <b>LobSystem</b> does not exist, the <b>CameThroughRemoteAdminService</b> header specified in section <a href="#">3.1</a> is present in the SOAP request, and the <b>performErrorCheck</b> element in the <b>GetLobSystemById</b> operation is set to "False".
<a href="#">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="#">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	A <b>LobSystem</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.62.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemById_InputMessage	The request WSDL message for the <b>GetLobSystemById</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage	The response WSDL message for the <b>GetLobSystemById</b> WSDL operation.

#### 3.1.4.62.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemById\_InputMessage**

The request WSDL message for the **GetLobSystemById** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemById>

The SOAP body contains the **GetLobSystemById** element.

### 3.1.4.62.1.2

#### BusinessDataCatalogSharedService\_GetLobSystemById\_OutputMessage

The response WSDL message for the **GetLobSystemById** WSDL operation.

The SOAP body contains the **GetLobSystemByIdResponse** element.

### 3.1.4.62.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemById	The input data for the <b>GetLobSystemById</b> WSDL operation.
GetLobSystemByIdResponse	The result data for the <b>GetLobSystemById</b> WSDL operation.

#### 3.1.4.62.2.1 GetLobSystemById

The input data for the **GetLobSystemById** WSDL operation.

```
<xs:element name="GetLobSystemById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem that is to be retrieved.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **LobSystem** with the specified **MetadataObjectId** exists. If a **LobSystem** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetLobSystemByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.62.2.2 GetLobSystemByIdResponse

The result data for the **GetLobSystemById** WSDL operation.

```
<xs:element name="GetLobSystemByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemByIdResult" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemByIdResult:** The LobSystem. The partition (1) of the **LobSystem** MUST be the partition (1) of the protocol client.

### 3.1.4.62.3 Complex Types

None.

### 3.1.4.62.4 Simple Types

None.

### 3.1.4.62.5 Attributes

None.

### 3.1.4.62.6 Groups

None.

### 3.1.4.62.7 Attribute Groups

None.

### 3.1.4.63 GetLobSystemByName

The **GetLobSystemByName** operation retrieves the specified LobSystem.

```
<wsdl:operation name="GetLobSystemByName" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByName"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameResponse"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentOutOfRangeExceptionFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemByName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemByName\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to read<81> the specified <b>LobSystem</b> , and the CameThroughRemoteAdminService header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified name exceeds 255 characters.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>LobSystem</b> does not exist.

### 3.1.4.63.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage	The request WSDL message for the <b>GetLobSystemByName</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage	The response WSDL message for the <b>GetLobSystemByName</b>



Message	Description
	WSDL operation.

### 3.1.4.63.1.1

#### BusinessDataCatalogSharedService\_GetLobSystemByName\_InputMessage

The request WSDL message for the **GetLobSystemByName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByName
```

The SOAP body contains the **GetLobSystemByName** element.

### 3.1.4.63.1.2

#### BusinessDataCatalogSharedService\_GetLobSystemByName\_OutputMessage

The response WSDL message for the **GetLobSystemByName** WSDL operation.

The SOAP body contains the **GetLobSystemByNameResponse** element.

### 3.1.4.63.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemByName	The input data for the <b>GetLobSystemByName</b> WSDL operation.
GetLobSystemByNameResponse	The result data for the <b>GetLobSystemByName</b> WSDL operation.

#### 3.1.4.63.2.1 GetLobSystemByName

The input data for the **GetLobSystemByName** WSDL operation.

```
<xs:element name="GetLobSystemByName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**name:** The name of the LobSystem.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.63.2.2 GetLobSystemByNameResponse

The result data for the **GetLobSystemByName** WSDL operation.

```
<xs:element name="GetLobSystemByNameResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetLobSystemByNameResult" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemByNameResult:** The LobSystem with the specified name. The partition (1) of this **LobSystem** MUST be the partition (1) of the protocol client.

### 3.1.4.63.3 Complex Types

None.

### 3.1.4.63.4 Simple Types

None.

### 3.1.4.63.5 Attributes

None.

### 3.1.4.63.6 Groups

None.

### 3.1.4.63.7 Attribute Groups

None.

### 3.1.4.64 GetLobSystemDataByLobSystem

The **GetLobSystemDataByLobSystem** operation retrieves Business Logic Modules [<82>](#) associated with the specified LobSystem.

```
<wsdl:operation name="GetLobSystemDataByLobSystem"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemDataByLobSystem"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemDataByLobSystemResponse"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemDataByLobSystemInvalidOperationExceptionFault"
```

```

name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InvalidOperationExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_BdcExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_MetadataExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentNullExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentOutOfRangeEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the specified <b>LobSystem</b> , and the CameThroughRemoteAdmin Service header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the specified <b>LobSystem</b> is set to zero ("0").<83>

Error complex type	Condition
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>LobSystem</b> does not exist. <84>

### 3.1.4.64.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage	The request WSDL message for the <b>GetLobSystemDataByLobSystem</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage	The response WSDL message for the <b>GetLobSystemDataByLobSystem</b> WSDL operation.

#### 3.1.4.64.1.1

### BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_InputMessage

The request WSDL message for the **GetLobSystemDataByLobSystem** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemDataByLobSystem>

The SOAP body contains the **GetLobSystemDataByLobSystem** element.

#### 3.1.4.64.1.2

### BusinessDataCatalogSharedService\_GetLobSystemDataByLobSystem\_OutputMessage

The response WSDL message for the **GetLobSystemDataByLobSystem** WSDL operation.

The SOAP body contains the **GetLobSystemDataByLobSystemResponse** element.

### 3.1.4.64.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemDataByLobSystem	The input data for the <b>GetLobSystemDataByLobSystem</b> WSDL operation.
GetLobSystemDataByLobSystemResponse	The result data for the <b>GetLobSystemDataByLobSystem</b>

Element	Description
	WSDL operation.

### 3.1.4.64.2.1 GetLobSystemDataByLobSystem

The input data for the **GetLobSystemDataByLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemDataByLobSystem" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem. The partition (1) of this **LobSystem** MUST be the partition (1) of the protocol client.

### 3.1.4.64.2.2 GetLobSystemDataByLobSystemResponse

The result data for the **GetLobSystemDataByLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemDataByLobSystemResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element
xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="0" name="GetLobSystemDataByLobSystemResult" nillable="true"
type="tns2:ProxyGenerationResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemDataByLobSystemResult:** The information about the Business Logic Modules [<85>](#) associated with the specified LobSystem.

### 3.1.4.64.3 Complex Types

None.

### 3.1.4.64.4 Simple Types

None.

### 3.1.4.64.5 Attributes

None.

### 3.1.4.64.6 Groups

None.

### 3.1.4.64.7 Attribute Groups

None.

### 3.1.4.65 GetLobSystemInstanceById

The **GetLobSystemInstanceById** operation retrieves the LobSystemInstance with the specified MetadataObjectId.

```
<wsdl:operation name="GetLobSystemInstanceById"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceById"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InvalidOperationExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentOutOfRangeExceptionExcep
tionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_BdcExceptionStateFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_MetadataExceptionStateF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentNullExceptionFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure</a> )	The security principal (1) in whose context the protocol client is operating is not authorized to modify the <b>LobSystemInstance</b> with the specified <b>MetadataObjectId</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request.
<b>AccessDeniedExceptionState</b> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure</a> )	The specified <b>LobSystemInstance</b> does not exist, and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request, and the <b>performErrorCheck</b> element in the request is set to "False".
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	A <b>LobSystemInstance</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.65.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage	The request WSDL message for the <b>GetLobSystemInstanceById</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage	The response WSDL message for the <b>GetLobSystemInstanceById</b> WSDL operation.

### 3.1.4.65.1.1

#### BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_InputMessage

The request WSDL message for the **GetLobSystemInstanceById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstanceById
```

The SOAP body contains the **GetLobSystemInstanceById** element.

### 3.1.4.65.1.2

#### BusinessDataCatalogSharedService\_GetLobSystemInstanceById\_OutputMessage

The response WSDL message for the **GetLobSystemInstanceById** WSDL operation.

The SOAP body contains the **GetLobSystemInstanceByIdResponse** element.

### 3.1.4.65.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemInstanceById	The input data for the <b>GetLobSystemInstanceById</b> WSDL operation.
GetLobSystemInstanceByIdResponse	The result data for the <b>GetLobSystemInstanceById</b> WSDL operation.

#### 3.1.4.65.2.1 GetLobSystemInstanceById

The input data for the **GetLobSystemInstanceById** WSDL operation.

```
<xs:element name="GetLobSystemInstanceById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemInstanceId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemInstanceId:** The MetadataObjectId of the LobSystemInstance.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **LobSystemInstance** with the specified **MetadataObjectId** exists. If a **LobSystemInstance** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetLobSystemInstanceByIdResult** element to NULL.



**partitionId:** The partition (1) of the protocol client.

### 3.1.4.65.2.2 GetLobSystemInstanceByIdResponse

The result data for the **GetLobSystemInstanceById** WSDL operation.

```
<xs:element name="GetLobSystemInstanceByIdResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetLobSystemInstanceByIdResult" nillable="true" type="tns6:LobSystemInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemInstanceByIdResult:** The LobSystemInstance. The partition (1) of this **LobSystemInstance** MUST be the partition (1) of the protocol client.

### 3.1.4.65.3 Complex Types

None.

### 3.1.4.65.4 Simple Types

None.

### 3.1.4.65.5 Attributes

None.

### 3.1.4.65.6 Groups

None.

### 3.1.4.65.7 Attribute Groups

None.

### 3.1.4.66 GetLobSystemInstancesForLobSystem

The **GetLobSystemInstancesForLobSystem** operation retrieves the list of LobSystemInstances of the specified LobSystem. If the CameThroughRemoteAdminService header specified in section [3.1](#) is present in the SOAP request, only the **LobSystemInstances** that the security principal (1) in whose context the protocol client is operating is authorized to read [<86>](#) that are also contained by the specified **LobSystem** are retrieved.

```
<wsdl:operation name="GetLobSystemInstancesForLobSystem"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstancesForLobSystem"
    message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentOutOfR
angeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_BdcExceptionSt
ateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
            <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_MetadataExcept
ionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
                <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
                    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentNullEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
                        </wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").<87>
<a href="#">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="#">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>LobSystem</b> does

Error complex type	Condition
<a href="#">Microsoft.SharePoint.BusinessData</a>	not exist. <88>

### 3.1.4.66.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage	The request WSDL message for the <b>GetLobSystemInstancesForLobSystem</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage	The response WSDL message for the <b>GetLobSystemInstancesForLobSystem</b> WSDL operation.

#### 3.1.4.66.1.1

### BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_InputMessage

The request WSDL message for the **GetLobSystemInstancesForLobSystem** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemInstancesForLobSystem>

The SOAP body contains the **GetLobSystemInstancesForLobSystem** element.

#### 3.1.4.66.1.2

### BusinessDataCatalogSharedService\_GetLobSystemInstancesForLobSystem\_OutputMessage

The response WSDL message for the **GetLobSystemInstancesForLobSystem** WSDL operation.

The SOAP body contains the **GetLobSystemInstancesForLobSystemResponse** element.

### 3.1.4.66.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemInstancesForLobSystem	The input data for the <b>GetLobSystemInstancesForLobSystem</b> WSDL operation.
GetLobSystemInstancesForLobSystemResponse	The result data for the

Element	Description
	<b>GetLobSystemInstancesForLobSystem</b> WSDL operation.

### 3.1.4.66.2.1 GetLobSystemInstancesForLobSystem

The input data for the **GetLobSystemInstancesForLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemInstancesForLobSystem"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.66.2.2 GetLobSystemInstancesForLobSystemResponse

The result data for the **GetLobSystemInstancesForLobSystem** WSDL operation.

```
<xs:element name="GetLobSystemInstancesForLobSystemResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemInstancesForLobSystemResult" nillable="true"
type="tns6:ArrayOfLobSystemInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemInstancesForLobSystemResult:** The list of LobSystemInstances of the specified LobSystem. The partition (1) of these **LobSystemInstances** MUST be the partition (1) of the protocol client.

### 3.1.4.66.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfLobSystemInstanceStruct	Contains a list of LobSystemInstances.

### 3.1.4.66.3.1 ArrayOfLobSystemInstanceStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfLobSystemInstanceStruct** complex type contains a list of LobSystemInstances.

```
<xs:complexType name="ArrayOfLobSystemInstanceStruct"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemInstanceStruct"
nillable="true" type="tns6:LobSystemInstanceStruct"/>
  </xs:sequence>
</xs:complexType>
```

**LobSystemInstanceStruct:** This element contains information about a **LobSystemInstance**.

### 3.1.4.66.4 Simple Types

None.

### 3.1.4.66.5 Attributes

None.

### 3.1.4.66.6 Groups

None.

### 3.1.4.66.7 Attribute Groups

None.

### 3.1.4.67 GetLobSystemProxyAssemblyBytesByLobSystemId

The **GetLobSystemProxyAssemblyBytesByLobSystemId** operation retrieves the implementation-specific Business Logic Module [<89>](#) associated with the specified LobSystem.

```
<wsdl:operation name="GetLobSystemProxyAssemblyBytesByLobSystemId"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemId"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inpu
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Outp
utMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Meta
dataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_BdcE
xceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inva
lidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Argu
mentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Argu
mentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Argu
mentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrasructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to read<90> the specified <b>LobSystem</b> , and the <b>CameThroughRemoteAdminService</b> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the specified <b>LobSystem</b> is set to zero ("0").

Error complex type	Condition
<a href="#">InvalidMetadataPropertyExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>LobSystem</b> has an invalid value for the <b>Property</b> named <b>SystemUtilityTypeName</b> . Validity of this <b>Property</b> is specified in section <a href="#">3.1.4.83.2.2</a> .

### 3.1.4.67.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InputMessage	The request WSDL message for the <b>GetLobSystemProxyAssemblyBytesByLobSystemId</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_OutputMessage	The response WSDL message for the <b>GetLobSystemProxyAssemblyBytesByLobSystemId</b> WSDL operation.

#### 3.1.4.67.1.1

#### **BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_InputMessage**

The request WSDL message for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemId
```

The SOAP body contains the **GetLobSystemProxyAssemblyBytesByLobSystemId** element.

#### 3.1.4.67.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemProxyAssemblyBytesByLobSystemId\_OutputMessage**

The response WSDL message for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

The SOAP body contains the **GetLobSystemProxyAssemblyBytesByLobSystemIdResponse** element.

### 3.1.4.67.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemProxyAssemblyBytesByLobSystemId	The input data for the <b>GetLobSystemProxyAssemblyBytesByLobSystemId</b> WSDL operation.
GetLobSystemProxyAssemblyBytesByLobSystemIdResponse	The result data for the <b>GetLobSystemProxyAssemblyBytesByLobSystemId</b> WSDL operation.

### 3.1.4.67.2.1 GetLobSystemProxyAssemblyBytesByLobSystemId

The input data for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

```
<xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemId"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem from which to retrieve the implementation-specific Business Logic Module. The partition (1) of this **LobSystem** MUST be the partition (1) of the protocol client.

### 3.1.4.67.2.2 GetLobSystemProxyAssemblyBytesByLobSystemIdResponse

The result data for the **GetLobSystemProxyAssemblyBytesByLobSystemId** WSDL operation.

```
<xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemIdResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetLobSystemProxyAssemblyBytesByLobSystemIdResult"
        nillable="true" type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemProxyAssemblyBytesByLobSystemIdResult:** The implementation-specific Business Logic Module [<91>](#) associated with the specified LobSystem. If more than one Business Logic Module exists for the specified **LobSystem**, this element MUST contain the first defined **Business Logic Module**, as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.7. If the lobsystem does not exist or no **Business Logic Module** is found for the specified **LobSystem**, this element MUST be NULL.

### 3.1.4.67.3 Complex Types

None.

### 3.1.4.67.4 Simple Types

None.



### 3.1.4.67.5 Attributes

None.

### 3.1.4.67.6 Groups

None.

### 3.1.4.67.7 Attribute Groups

None.

### 3.1.4.68 GetLobSystemsLikeName

The **GetLobSystemsLikeName** operation retrieves the LobSystems that match the specified wildcard pattern.

If the CameThroughRemoteAdminService header specified in section 3.1 is present in the SOAP request, only the **LobSystems** that the security principal (1) in whose context the protocol client is operating is authorized to edit that also match the specified wildcard pattern are retrieved.

A **LobSystem** matches the wildcard pattern specified by **searchLikeName** if any of the following conditions is true:

- The **searchLikeName** matches the name of the **LobSystem**.
- The **searchLikeName** matches the localized name of the **LobSystem** and the **LobSystem's** localized name has its language code identifier (LCID) set to zero or set to the **LCID** specified by **callerCultureLcid**.

```
<wsdl:operation name="GetLobSystemsLikeName"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeName"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeNameArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentException">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The length of the specified wildcard pattern exceeds 255 characters, or the format of the specified wildcard pattern is invalid.

### 3.1.4.68.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage	The request WSDL message for the <b>GetLobSystemsLikeName</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage	The response WSDL message for the <b>GetLobSystemsLikeName</b> WSDL operation.

#### 3.1.4.68.1.1 BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_InputMessage

The request WSDL message for the **GetLobSystemsLikeName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsLikeName
```

The SOAP body contains the **GetLobSystemsLikeName** element.

### 3.1.4.68.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemsLikeName\_OutputMessage**

The response WSDL message for the **GetLobSystemsLikeName** WSDL operation.

The SOAP body contains the **GetLobSystemsLikeNameResponse** element.

### 3.1.4.68.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemsLikeName	The input data for the <b>GetLobSystemsLikeName</b> WSDL operation.
GetLobSystemsLikeNameResponse	The result data for the <b>GetLobSystemsLikeName</b> WSDL operation.

#### 3.1.4.68.2.1 GetLobSystemsLikeName

The input data for the **GetLobSystemsLikeName** WSDL operation.

```
<xs:element name="GetLobSystemsLikeName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="searchLikeName" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**searchLikeName:** The wildcard pattern to be used to retrieve the LobSystems in which the name or localized name matches the wildcard pattern. The following code example shows the ABNF for the **searchLikeName**.

```
searchLikeName = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A
```

The protocol server MUST match the name or localized name of the **LobSystems** with the value of "searchLikeName" when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows.

```
EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = *(%x00-FF)
```

**callerCultureLcid:** The language code identifier (LCID) representing the locale to be used when retrieving the **LobSystems**.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.68.2.2 GetLobSystemsLikeNameResponse

The result data for the **GetLobSystemsLikeName** WSDL operation.

```
<xs:element name="GetLobSystemsLikeNameResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemsLikeNameResult" nillable="true" type="tns6:ArrayOfLobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetLobSystemsLikeNameResult:** The list of LobSystems. The partition (1) of these **LobSystems** MUST be the partition (1) of the protocol client.

### 3.1.4.68.3 Complex Types

None.

### 3.1.4.68.4 Simple Types

None.

### 3.1.4.68.5 Attributes

None.

### 3.1.4.68.6 Groups

None.

### 3.1.4.68.7 Attribute Groups

None.

### 3.1.4.69 GetLobSystemsReferencedByEntitiesAssociatedWithModel

The **GetLobSystemsReferencedByEntitiesAssociatedWithModel** operation retrieves the LobSystems referenced by Entities associated with the specified Model. If the CameThroughRemoteAdminService header specified in section [3.1](#) is present in the SOAP request,

only the **LobSystems** that the security principal (1) in whose context the protocol client is operating is authorized to read<92> that are also referenced by **Entities** associated with the specified **Model** are retrieved.

```
<wsdl:operation name="GetLobSystemsReferencedByEntitiesAssociatedWithModel"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModel"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_OutputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_InvalidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithM
odel_ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWith**

**Model\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").<93>
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/ModelMetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/ModelMetadataObjectNotFoundExceptionState">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Model</b> does not exist.<94>

### 3.1.4.69.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_InputMessage	The request WSDL message for the <b>GetLobSystemsReferencedByEntitiesAssociatedWithModel</b> WSDL operation.
BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_OutputMessage	The response WSDL message for the <b>GetLobSystemsReferencedByEntitiesAssociatedWithModel</b> WSDL operation.

#### 3.1.4.69.1.1

### **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_InputMessage**

The request WSDL message for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModel
```

The SOAP body contains the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** element.

### 3.1.4.69.1.2

#### **BusinessDataCatalogSharedService\_GetLobSystemsReferencedByEntitiesAssociatedWithModel\_OutputMessage**

The response WSDL message for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

The SOAP body contains the **GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse** element.

### 3.1.4.69.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetLobSystemsReferencedByEntitiesAssociatedWithModel	The input data for the <b>GetLobSystemsReferencedByEntitiesAssociatedWithModel</b> WSDL operation.
GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse	The result data for the <b>GetLobSystemsReferencedByEntitiesAssociatedWithModel</b> WSDL operation.

#### 3.1.4.69.2.1 GetLobSystemsReferencedByEntitiesAssociatedWithModel

The input data for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

```
<xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModel"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
      <xs:element
        xmlns:tns5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants"
        minOccurs="0" name="queryMode"
        type="tns5:LobSystemConstants.LobSystemsInModelQuery"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelId:** The MetadataObjectId of the specified Model.

**queryMode:** The mode that specifies the LobSystems to be retrieved. This value MUST be an **LobSystemConstants.LobSystemsInModelQuery** element.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.69.2.2 GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse

The result data for the **GetLobSystemsReferencedByEntitiesAssociatedWithModel** WSDL operation.

```

<xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResult" nillable="true"
        type="tns6:ArrayOfLobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetLobSystemsReferencedByEntitiesAssociatedWithModelResult:** The list of LobSystems. The partition (1) of these **LobSystems** MUST be the partition (1) of the protocol client.

### 3.1.4.69.3 Complex Types

None.

### 3.1.4.69.4 Simple Types

The following table summarizes the XML schema simple type definitions that are specific to this operation.

Simple type	Description
LobSystemConstants.LobSystemsInModelQuery	Specifies the mode in which to retrieve LobSystems.

#### 3.1.4.69.4.1 LobSystemConstants.LobSystemsInModelQuery

**Namespace:**

http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants

The **LobSystemConstants.LobSystemsInModelQuery** simple type specifies the mode that determines the LobSystems to be retrieved.

```

<xs:simpleType name="LobSystemConstants.LobSystemsInModelQuery"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AllLobSystemsInModel"/>
    <xs:enumeration value="OwnedLobSystemsInModel"/>
    <xs:enumeration value="SharedLobSystemsInModel"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for **LobSystemConstants.LobSystemsInModelQuery**.

Value	Meaning
AllLobSystemsInModel	All <b>LobSystems</b> referenced by the specified Model.
OwnedLobSystemsInModel	<b>LobSystems</b> referenced only by the specified <b>Model</b> . The returned <b>LobSystems</b> MUST not include <b>LobSystems</b> that are referenced by other



Value	Meaning
	<b>Models.</b>
SharedLobSystemsInModel	<b>LobSystems</b> referenced by the specified <b>Model</b> and by other <b>Models</b> . The returned <b>LobSystems</b> <b>MUST</b> not include <b>LobSystems</b> that are referenced only by the specified <b>Model</b> .

### 3.1.4.69.5 Attributes

None.

### 3.1.4.69.6 Groups

None.

### 3.1.4.69.7 Attribute Groups

None.

### 3.1.4.70 GetMethodById

The **GetMethodById** operation retrieves the Method with the specified MetadataObjectId.

```

<wsdl:operation name="GetMethodById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodById"
message="i0:BusinessDataCatalogSharedService_GetMethodById_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodById_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_MetadataExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_BdcExceptionStateFault_FaultMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_ArgumentExceptionFault_FaultMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_ArgumentNullExceptionFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"

```

```

message="i0:BusinessDataCatalogSharedService_GetMethodById_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFound">MetadataObjectNotFound (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>Method</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.70.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetMethodById_InputMessage	The request WSDL message for the <b>GetMethodById</b> WSDL operation.
BusinessDataCatalogSharedService_GetMethodById_OutputMessage	The response WSDL message for the <b>GetMethodById</b> WSDL operation.

#### 3.1.4.70.1.1 BusinessDataCatalogSharedService\_GetMethodById\_InputMessage

The request WSDL message for the **GetMethodById** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodById

```

The SOAP body contains the **GetMethodById** element.

### 3.1.4.70.1.2 BusinessDataCatalogSharedService\_GetMethodById\_OutputMessage

The response WSDL message for the **GetMethodById** WSDL operation.

The SOAP body contains the **GetMethodByIdResponse** element.

### 3.1.4.70.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetMethodById	The input data for the <b>GetMethodById</b> WSDL operation.
GetMethodByIdResponse	The result data for the <b>GetMethodById</b> WSDL operation.

#### 3.1.4.70.2.1 GetMethodById

The input data for the **GetMethodById** WSDL operation.

```
<xs:element name="GetMethodById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId for the Method.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **Method** with the specified **MetadataObjectId** exists. If a **Method** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetMethodByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.70.2.2 GetMethodByIdResponse

The result data for the **GetMethodById** WSDL operation.

```
<xs:element name="GetMethodByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodByIdResult" nillable="true" type="tns6:MethodStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetMethodByIdResult:** The Method. The partition (1) of this **Method** MUST be the partition (1) of the protocol client.

### 3.1.4.70.3 Complex Types

None.

### 3.1.4.70.4 Simple Types

None.

### 3.1.4.70.5 Attributes

None.

### 3.1.4.70.6 Groups

None.

### 3.1.4.70.7 Attribute Groups

None.

### 3.1.4.71 GetMethodInstanceById

The **GetMethodInstanceById** operation retrieves the **MethodInstance** with the specified **MetadataObjectId**.

```
<wsdl:operation name="GetMethodInstanceById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceById"
    message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"/>
```

```

message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_GetMethodInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_GetMethodInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodInstanceById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodInstanceById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>MethodInstance</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.71.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage	The request WSDL message for the <b>GetMethodInstanceById</b> WSDL operation.
BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage	The response WSDL message for the <b>GetMethodInstanceById</b> WSDL operation.

### 3.1.4.71.1.1

#### BusinessDataCatalogSharedService\_GetMethodInstanceById\_InputMessage

The request WSDL message for the **GetMethodInstanceById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceById
```

The SOAP body contains the **GetMethodInstanceById** element.

### 3.1.4.71.1.2

#### BusinessDataCatalogSharedService\_GetMethodInstanceById\_OutputMessage

The response WSDL message for the **GetMethodInstanceById** WSDL operation.

The SOAP body contains the **GetMethodInstanceByIdResponse** element.

### 3.1.4.71.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetMethodInstanceById	The input data for the <b>GetMethodInstanceById</b> WSDL operation.
GetMethodInstanceByIdResponse	The result data for the <b>GetMethodInstanceById</b> WSDL operation.

#### 3.1.4.71.2.1 GetMethodInstanceById

The input data for the **GetMethodInstanceById** WSDL operation.

```
<xs:element name="GetMethodInstanceById" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence>  
      <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>  
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>  
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"  
minOccurs="0" name="partitionId" type="ser:guid"/>  
    </xs:sequence>  
  </xs:complexType>  
</xs:element>
```

**methodInstanceId:** The MetadataObjectId of the MethodInstance.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **MethodInstance** with the specified **MetadataObjectId** exists. If a **MethodInstance** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetMethodInstanceByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.71.2.2 GetMethodInstanceByIdResponse

The result data for the **GetMethodInstanceById** WSDL operation.

```
<xs:element name="GetMethodInstanceByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodInstanceByIdResult" nillable="true" type="tns6:MethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetMethodInstanceByIdResult:** The MethodInstance. The partition (1) of this **MethodInstance** MUST be the partition (1) of the protocol client.

### 3.1.4.71.3 Complex Types

None.

### 3.1.4.71.4 Simple Types

None.

### 3.1.4.71.5 Attributes

None.

### 3.1.4.71.6 Groups

None.

### 3.1.4.71.7 Attribute Groups

None.

### 3.1.4.72 GetMethodInstancesForDataClass

The **GetMethodInstancesForDataClass** operation retrieves the MethodInstances contained by the Methods contained by the specified DataClass.

```
<wsdl:operation name="GetMethodInstancesForDataClass"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClass"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassMetadataExceptionStateFault"
```

```

name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_MetadataException
StateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_BdcExceptionState
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentNullExcep
tionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentOutOfRang
eExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2003/BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2003/BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>DataClass</b> does not exist. <95>

### 3.1.4.72.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.



Message	Description
BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage	The request WSDL message for the <b>GetMethodInstancesForDataClass</b> WSDL operation.
BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage	The response WSDL message for the <b>GetMethodInstancesForDataClass</b> WSDL operation.

### 3.1.4.72.1.1

#### **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_InputMessage**

The request WSDL message for the **GetMethodInstancesForDataClass** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstancesForDataClass
```

The SOAP body contains the **GetMethodInstancesForDataClass** element.

### 3.1.4.72.1.2

#### **BusinessDataCatalogSharedService\_GetMethodInstancesForDataClass\_OutputMessage**

The response WSDL message for the **GetMethodInstancesForDataClass** WSDL operation.

The SOAP body contains the **GetMethodInstancesForDataClassResponse** element.

### 3.1.4.72.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetMethodInstancesForDataClass	The input data for the <b>GetMethodInstancesForDataClass</b> WSDL operation.
GetMethodInstancesForDataClassResponse	The result data for the <b>GetMethodInstancesForDataClass</b> WSDL operation.

### 3.1.4.72.2.1 GetMethodInstancesForDataClass

The input data for the **GetMethodInstancesForDataClass** WSDL operation.

```
<xs:element name="GetMethodInstancesForDataClass"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
    <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**dataClassId:** The MetadataObjectId of the DataClass.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.72.2 GetMethodInstancesForDataClassResponse

The result data for the **GetMethodInstancesForDataClass** WSDL operation.

```

<xs:element name="GetMethodInstancesForDataClassResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodInstancesForDataClassResult" nillable="true"
type="tns6:ArrayOfMethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetMethodInstancesForDataClassResult:** The list of MethodInstances. The partition (1) of these **MethodInstances** MUST be the partition (1) of the protocol client.

### 3.1.4.72.3 Complex Types

None.

### 3.1.4.72.4 Simple Types

None.

### 3.1.4.72.5 Attributes

None.

### 3.1.4.72.6 Groups

None.

### 3.1.4.72.7 Attribute Groups

None.

### 3.1.4.73 GetMethodInstancesForMethod

The **GetMethodInstancesForMethod** operation retrieves the MethodInstances contained by the specified Method.

```

<wsdl:operation name="GetMethodInstancesForMethod"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethod"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_BdcExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InvalidOperationExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_MetadataExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentNullExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentOutOfRangeEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Method</b> does not exist. <96>

### 3.1.4.73.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage	The request WSDL message for the <b>GetMethodInstancesForMethod</b> WSDL operation.
BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage	The response WSDL message for the <b>GetMethodInstancesForMethod</b> WSDL operation.

#### 3.1.4.73.1.1

### BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_InputMessage

The request WSDL message for the **GetMethodInstancesForMethod** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstancesForMethod
```

The SOAP body contains the **GetMethodInstancesForMethod** element.

#### 3.1.4.73.1.2

### BusinessDataCatalogSharedService\_GetMethodInstancesForMethod\_OutputMessage

The response WSDL message for the **GetMethodInstancesForMethod** WSDL operation.

The SOAP body contains the **GetMethodInstancesForMethodResponse** element.

### 3.1.4.73.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetMethodInstancesForMethod	The input data for the <b>GetMethodInstancesForMethod</b>

Element	Description
	WSDL operation.
GetMethodInstancesForMethodResponse	The result data for the <b>GetMethodInstancesForMethod</b> WSDL operation.

### 3.1.4.73.2.1 GetMethodInstancesForMethod

The input data for the **GetMethodInstancesForMethod** WSDL operation.

```
<xs:element name="GetMethodInstancesForMethod" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.73.2.2 GetMethodInstancesForMethodResponse

The result data for the **GetMethodInstancesForMethod** WSDL operation.

```
<xs:element name="GetMethodInstancesForMethodResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodInstancesForMethodResult" nillable="true"
type="tns6:ArrayOfMethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetMethodInstancesForMethodResult:** The list of MethodInstances. The partition (1) of each of these **MethodInstances** MUST be the partition (1) of the protocol client.

### 3.1.4.73.3 Complex Types

None.

### 3.1.4.73.4 Simple Types

None.

### 3.1.4.73.5 Attributes

None.

### 3.1.4.73.6 Groups

None.

### 3.1.4.73.7 Attribute Groups

None.

### 3.1.4.74 GetMethodsForDataClass

The **GetMethodsForDataClass** operation retrieves the Methods contained by the specified DataClass.

```
<wsdl:operation name="GetMethodsForDataClass" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClass"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentOutOfRangeException_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_BdcExceptionStateFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_InvalidOperationException
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_MetadataExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentNullExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetMethodsForDataClass\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetMethodsForDataClass\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").<97>
<a href="http://schemas.microsoft.com/SharePoint/2003/MSRPC/Types/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2003/MSRPC/Types/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>DataClass</b> does not exist.<98>

### 3.1.4.74.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage	The request WSDL message for the <b>GetMethodsForDataClass</b> WSDL operation.
BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage	The response WSDL message for the <b>GetMethodsForDataClass</b> WSDL operation.

#### 3.1.4.74.1.1

### BusinessDataCatalogSharedService\_GetMethodsForDataClass\_InputMessage

The request WSDL message for the **GetMethodsForDataClass** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodsForDataClass>

The SOAP body contains the **GetMethodsForDataClass** element.

#### 3.1.4.74.1.2

### BusinessDataCatalogSharedService\_GetMethodsForDataClass\_OutputMessage

The response WSDL message for the **GetMethodsForDataClass** WSDL operation.

The SOAP body contains the **GetMethodsForDataClassResponse** element.

### 3.1.4.74.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetMethodsForDataClass	The input data for the <b>GetMethodsForDataClass</b> WSDL operation.
GetMethodsForDataClassResponse	The result data for the <b>GetMethodsForDataClass</b> WSDL operation.

#### 3.1.4.74.2.1 GetMethodsForDataClass

The input data for the **GetMethodsForDataClass** WSDL operation.

```
<xs:element name="GetMethodsForDataClass" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**dataClassId:** The MetadataObjectId of the DataClass.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.74.2.2 GetMethodsForDataClassResponse

The result data for the **GetMethodsForDataClass** WSDL operation.

```
<xs:element name="GetMethodsForDataClassResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodsForDataClassResult" nillable="true" type="tns6:ArrayOfMethodStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetMethodsForDataClassResult:** The list of Methods. The partition (1) of these **Methods** MUST be the partition (1) of the protocol client.

### 3.1.4.74.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfMethodStruct	Contains a list of Methods.



### 3.1.4.74.3.1 ArrayOfMethodStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfMethodStruct** complex type contains a list of Methods.

```
<xs:complexType name="ArrayOfMethodStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodStruct" nillable="true"
      type="tns6:MethodStruct"/>
  </xs:sequence>
</xs:complexType>
```

**MethodStruct:** This element contains information about a **Method**.

### 3.1.4.74.4 Simple Types

None.

### 3.1.4.74.5 Attributes

None.

### 3.1.4.74.6 Groups

None.

### 3.1.4.74.7 Attribute Groups

None.

### 3.1.4.75 GetModelById

The **GetModelById** operation retrieves the Model with the specified MetadataObjectId.

```
<wsdl:operation name="GetModelById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetModelById"
    message="i0:BusinessDataCatalogSharedService_GetModelById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetModelByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetModelById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetModelByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetModelById_ArgumentOutOfRangeExceptionFault_Fa
    ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetModelByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetModelById_BdcExceptionStateFault_FaultMessage
    " xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_InvalidOperationExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_MetadataExceptionStateFault_FaultMe
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_ArgumentExceptionFault_FaultMessage
" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_ArgumentNullExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetModelById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetModelById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>Model</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.75.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetModelById_InputMessage	The request WSDL message for the <b>GetModelById</b> WSDL operation.
BusinessDataCatalogSharedService_GetModelById_OutputMessage	The response WSDL message for the <b>GetModelById</b> WSDL operation.

### 3.1.4.75.1.1 BusinessDataCatalogSharedService\_GetModelById\_InputMessage

The request WSDL message for the **GetModelById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelById
```

The SOAP body contains the **GetModelById** element.

### 3.1.4.75.1.2 BusinessDataCatalogSharedService\_GetModelById\_OutputMessage

The response WSDL message for the **GetModelById** WSDL operation.

The SOAP body contains the **GetModelByIdResponse** element.

### 3.1.4.75.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetModelById	The input data for the <b>GetModelById</b> WSDL operation.
GetModelByIdResponse	The result data for the <b>GetModelById</b> WSDL operation.

#### 3.1.4.75.2.1 GetModelById

The input data for the **GetModelById** WSDL operation.

```
<xs:element name="GetModelById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelId:** The MetadataObjectId of the Model.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **Model** with the specified **MetadataObjectId** exists. If a **Model** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetModelByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.75.2 GetModelByIdResponse

The result data for the **GetModelById** WSDL operation.

```
<xs:element name="GetModelByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelByIdResult" nillable="true" type="tns6:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelByIdResult:** The Model. The partition (1) of this **Model** MUST be the partition (1) of the protocol client.

### 3.1.4.75.3 Complex Types

None.

### 3.1.4.75.4 Simple Types

None.

### 3.1.4.75.5 Attributes

None.

### 3.1.4.75.6 Groups

None.

### 3.1.4.75.7 Attribute Groups

None.

### 3.1.4.76 GetModelByName

The **GetModelByName** operation retrieves the specified Model.

```
<wsdl:operation name="GetModelByName" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByName"
message="i0:BusinessDataCatalogSharedService_GetModelByName_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameResponse"
message="i0:BusinessDataCatalogSharedService_GetModelByName_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"/>
</wsdl:operation>
```

```

message="i0:BusinessDataCatalogSharedService_GetModelByName_ArgumentOutOfRangeExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_BdcExceptionStateFault_FaultMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_InvalidOperationExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_MetadataExceptionStateFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_ArgumentExceptionFault_FaultMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_ArgumentNullExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetModelByName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetModelByName\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified name exceeds 255 characters.
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">MetadataObjectNotFoundExcepitonState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Model</b> does not exist.

### 3.1.4.76.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetModelByName_InputMessage	The request WSDL message for the <b>GetModelByName</b> WSDL operation.

Message	Description
BusinessDataCatalogSharedService_GetModelByName_OutputMessage	The response WSDL message for the <b>GetModelByName</b> WSDL operation.

### 3.1.4.76.1.1

#### BusinessDataCatalogSharedService\_GetModelByName\_InputMessage

The request WSDL message for the **GetModelByName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByName
```

The SOAP body contains the **GetModelByName** element.

### 3.1.4.76.1.2

#### BusinessDataCatalogSharedService\_GetModelByName\_OutputMessage

The response WSDL message for the **GetModelByName** WSDL operation.

The SOAP body contains the **GetModelByNameResponse** element.

### 3.1.4.76.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetModelByName	The input data for the <b>GetModelByName</b> WSDL operation.
GetModelByNameResponse	The result data for the <b>GetModelByName</b> WSDL operation.

#### 3.1.4.76.2.1 GetModelByName

The input data for the **GetModelByName** WSDL operation.

```
<xs:element name="GetModelByName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**name:** The name of the Model.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.76.2 GetModelByNameResponse

The result data for the **GetModelByName** WSDL operation.

```
<xs:element name="GetModelByNameResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelByNameResult" nillable="true" type="tns6:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelByNameResult:** The Model. The partition (1) of this **Model** MUST be the partition (1) of the protocol client.

### 3.1.4.76.3 Complex Types

None.

### 3.1.4.76.4 Simple Types

None.

### 3.1.4.76.5 Attributes

None.

### 3.1.4.76.6 Groups

None.

### 3.1.4.76.7 Attribute Groups

None.

### 3.1.4.77 GetModelsByEntityId

The **GetModelsByEntityId** operation retrieves the Models that reference the specified Entity.

```
<wsdl:operation name="GetModelsByEntityId" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityId"
    message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault>
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
```

```

message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetModelsByEntityId\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetModelsByEntityId\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/EntityNotFoundExceptionState">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/01/EntityNotFoundExceptionState">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Entity</b> does not exist. <99>

### 3.1.4.77.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage	The request WSDL message for the <b>GetModelsByEntityId</b> WSDL



Message	Description
	operation.
BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage	The response WSDL message for the <b>GetModelsByEntityId</b> WSDL operation.

### 3.1.4.77.1.1

#### BusinessDataCatalogSharedService\_GetModelsByEntityId\_InputMessage

The request WSDL message for the **GetModelsByEntityId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByEntityId
```

The SOAP body contains the **GetModelsByEntityId** element.

### 3.1.4.77.1.2

#### BusinessDataCatalogSharedService\_GetModelsByEntityId\_OutputMessage

The response WSDL message for the **GetModelsByEntityId** WSDL operation.

The SOAP body contains the **GetModelsByEntityIdResponse** element.

### 3.1.4.77.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetModelsByEntityId	The input data for the <b>GetModelsByEntityId</b> WSDL operation.
GetModelsByEntityIdResponse	The result data for the <b>GetModelsByEntityId</b> WSDL operation.

#### 3.1.4.77.2.1 GetModelsByEntityId

The input data for the **GetModelsByEntityId** WSDL operation.

```
<xs:element name="GetModelsByEntityId" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**entityId:** The MetadataObjectId of the Entity.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.77.2.2 GetModelsByEntityIdResponse

The result data for the **GetModelsByEntityId** WSDL operation.

```
<xs:element name="GetModelsByEntityIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelsByEntityIdResult" nillable="true" type="tns6:ArrayOfModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetModelsByEntityIdResult:** The list of Models. The partition (1) of these **Models** MUST be the partition (1) of the protocol client.

### 3.1.4.77.3 Complex Types

None.

### 3.1.4.77.4 Simple Types

None.

### 3.1.4.77.5 Attributes

None.

### 3.1.4.77.6 Groups

None.

### 3.1.4.77.7 Attribute Groups

None.

### 3.1.4.78 GetModelsByName

The **GetModelsByName** operation retrieves the Models that match the specified wildcard pattern.

A **Model** matches the wildcard pattern specified by **wildcardedName** if any of the following conditions is true:

- **WildcardedName** matches the name of the **Model**.
- **WildcardedName** matches the localized name of the **Model** and the model's localized name has its LCID set to zero or set to the LCID specified by callerCultureLcid.

```
<wsdl:operation name="GetModelsByName" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByName"
```

```

message="i0:BusinessDataCatalogSharedService_GetModelsByName_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameResponse"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_ArgumentOutOfRangeException_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetModelsByName\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetModelsByName\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#).

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The length of the specified wildcard pattern exceeds 255 characters, or the format of the specified wildcard pattern is invalid.

### 3.1.4.78.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetModelsByName_InputMessage	The request WSDL message for the <b>GetModelsByName</b> WSDL operation.
BusinessDataCatalogSharedService_GetModelsByName_OutputMessage	The response WSDL message for the <b>GetModelsByName</b> WSDL operation.

#### 3.1.4.78.1.1

##### **BusinessDataCatalogSharedService\_GetModelsByName\_InputMessage**

The request WSDL message for the **GetModelsByName** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByName
```

The SOAP body contains the **GetModelsByName** element.

#### 3.1.4.78.1.2

##### **BusinessDataCatalogSharedService\_GetModelsByName\_OutputMessage**

The response WSDL message for the **GetModelsByName** WSDL operation.

The SOAP body contains the **GetModelsByNameResponse** element.

### 3.1.4.78.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetModelsByName	The input data for the <b>GetModelsByName</b> WSDL operation.
GetModelsByNameResponse	The result data for the <b>GetModelsByName</b> WSDL operation.

#### 3.1.4.78.2.1 GetModelsByName

The input data for the **GetModelsByName** WSDL operation.

```
<xs:element name="GetModelsByName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="wildcardedName" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**wildcardedName:** The wildcard pattern to be used to retrieve the Models whose name or localized name matches the wildcard pattern. The following code example shows the ABNF for the **wildcardedName**.

```

wildcardedName = 1 * (Literal / Escape / Wildcard)
Literal = %x00-29 / %x2B-5B / %x5D-FF
Wildcard = %x2A
Escape = EscapeBackSlash / EscapeWildcard
EscapeBackSlash = %x5C %x5C
EscapeWildcard = %x5C %x2A

```

The protocol server MUST match the name or localized name of the **Models** with the value of **wildcardedName** when the **EscapeBackSlash**, **EscapeWildcard**, and **Wildcard** rules are changed as follows.

```

EscapeBackSlash = %x5C
EscapeWildcard = %x2A
Wildcard = *(%x00-FF)

```

**callerCultureLcid:** The language code identifier (LCID) representing the locale to be used when retrieving the **Models**.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.78.2.2 GetModelsByNameResponse

The result data for the **GetModelsByName** WSDL operation.

```

<xs:element name="GetModelsByNameResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelsByNameResult" nillable="true" type="tns6:ArrayOfModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**GetModelsByNameResult:** The list of Models. The partition (1) of these **Models** MUST be the partition (1) of the protocol client.

### 3.1.4.78.3 Complex Types

None.

### 3.1.4.78.4 Simple Types

None.

### 3.1.4.78.5 Attributes

None.

### 3.1.4.78.6 Groups

None.

### 3.1.4.78.7 Attribute Groups

None.

### 3.1.4.79 GetParameterById

The **GetParameterById** operation retrieves the Parameter with the specified MetadataObjectId.

```
<wsdl:operation name="GetParameterById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterById"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterByIdArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParameterById_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetParameterById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetParameterById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessData">MetadataObjectNotFoundExcepState</a> (from namespace <a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/SharePointBusinessData">Microsoft.SharePoint.BusinessData</a> )	A <b>Parameter</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is set to "true".

### 3.1.4.79.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetParameterById_InputMessage	The request WSDL message for the <b>GetParameterById</b> WSDL operation.
BusinessDataCatalogSharedService_GetParameterById_OutputMessage	The response WSDL message for the <b>GetParameterById</b> WSDL operation.

#### 3.1.4.79.1.1

### BusinessDataCatalogSharedService\_GetParameterById\_InputMessage

The request WSDL message for the **GetParameterById** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParameterById
```

The SOAP body contains the **GetParameterById** element.

#### 3.1.4.79.1.2

### BusinessDataCatalogSharedService\_GetParameterById\_OutputMessage

The response WSDL message for the **GetParameterById** WSDL operation.

The SOAP body contains the **GetParameterByIdResponse** element.

### 3.1.4.79.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetParameterById	The input data for the <b>GetParameterById</b> WSDL operation.
GetParameterByIdResponse	The result data for the <b>GetParameterById</b> WSDL operation.

#### 3.1.4.79.2.1 GetParameterById

The input data for the **GetParameterById** WSDL operation.

```
<xs:element name="GetParameterById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterId:** The MetadataObjectId of the Parameter.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **Parameter** with the specified **MetadataObjectId** exists. If a **Parameter** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetParameterByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.79.2.2 GetParameterByIdResponse

The result data for the **GetParameterById** WSDL operation.

```
<xs:element name="GetParameterByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetParameterByIdResult" nillable="true" type="tns6:ParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetParameterByIdResult:** The Parameter. The partition (1) of this **Parameter** MUST be the partition (1) of the protocol client.

### 3.1.4.79.3 Complex Types

None.



### 3.1.4.79.4 Simple Types

None.

### 3.1.4.79.5 Attributes

None.

### 3.1.4.79.6 Groups

None.

### 3.1.4.79.7 Attribute Groups

None.

### 3.1.4.80 GetParametersForMethod

The **GetParametersForMethod** operation retrieves the Parameters of the specified Method.

```
<wsdl:operation name="GetParametersForMethod" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethod"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethodResponse"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethodArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentOutOfRangeExcepti
    onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_BdcExceptionStateFault_Fa
    ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethodInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_InvalidOperationException
    Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethodMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_MetadataExceptionStateFau
    lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetParametersForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentExceptionFault_Fa
    ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>

```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentNullExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetParametersForMethod\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetParametersForMethod\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified MetadataObjectId is set to zero ("0").<100>
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/07/01/SharePointBusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Method</b> does not exist.<101>

### 3.1.4.80.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage	The request WSDL message for the <b>GetParametersForMethod</b> WSDL operation.
BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage	The response WSDL message for the <b>GetParametersForMethod</b> WSDL operation.

#### 3.1.4.80.1.1

### BusinessDataCatalogSharedService\_GetParametersForMethod\_InputMessage

The request WSDL message for the **GetParametersForMethod** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetParametersForMethod

```

The SOAP body contains the **GetParametersForMethod** element.

### 3.1.4.80.1.2

#### BusinessDataCatalogSharedService\_GetParametersForMethod\_OutputMessage

The response WSDL message for the **GetParametersForMethod** WSDL operation.

The SOAP body contains the **GetParametersForMethodResponse** element.

### 3.1.4.80.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetParametersForMethod	The input data for the <b>GetParametersForMethod</b> WSDL operation.
GetParametersForMethodResponse	The result data for the <b>GetParametersForMethod</b> WSDL operation.

#### 3.1.4.80.2.1 GetParametersForMethod

The input data for the **GetParametersForMethod** WSDL operation.

```
<xs:element name="GetParametersForMethod" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodId:** The MetadataObjectId of the Method.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.80.2.2 GetParametersForMethodResponse

The result data for the **GetParametersForMethod** WSDL operation.

```
<xs:element name="GetParametersForMethodResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetParametersForMethodResult" nillable="true" type="tns6:ArrayOfParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetParametersForMethodResult:** The list of Parameters. The partition (1) of these **Parameters** MUST be the partition (1) of the protocol client.

### 3.1.4.80.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfParameterStruct	Contains a list of Parameters.

#### 3.1.4.80.3.1 ArrayOfParameterStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfParameterStruct** complex type contains a list of Parameters.

```
<xs:complexType name="ArrayOfParameterStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterStruct" nillable="true"
      type="tns6:ParameterStruct"/>
  </xs:sequence>
</xs:complexType>
```

**ParameterStruct:** A Parameter.

#### 3.1.4.80.4 Simple Types

None.

#### 3.1.4.80.5 Attributes

None.

#### 3.1.4.80.6 Groups

None.

#### 3.1.4.80.7 Attribute Groups

None.

#### 3.1.4.81 GetRootTypeDescriptorForParameter

The **GetRootTypeDescriptorForParameter** operation retrieves the root TypeDescriptor of the specified Parameter.

```
<wsdl:operation name="GetRootTypeDescriptorForParameter"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetRootTypeDescriptorForParameter"
    message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/GetRootTypeDescriptorForParameterResponse"/>
</wsdl:operation>
```

```

message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_BdcExceptionSt
ateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_MetadataExcept
ionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentNullEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetRootTypeDescriptorForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentOutOfR
angeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified MetadataObjectId is set to zero ("0").
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Parameter</b> does not exist.

### 3.1.4.81.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage	The request WSDL message for the <b>GetRootTypeDescriptorForParameter</b> WSDL operation.
BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage	The response WSDL message for the <b>GetRootTypeDescriptorForParameter</b> WSDL operation.

#### 3.1.4.81.1.1

##### **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_InputMessage**

The request WSDL message for the **GetRootTypeDescriptorForParameter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameter
```

The SOAP body contains the **GetRootTypeDescriptorForParameter** element.

#### 3.1.4.81.1.2

##### **BusinessDataCatalogSharedService\_GetRootTypeDescriptorForParameter\_OutputMessage**

The response WSDL message for the **GetRootTypeDescriptorForParameter** WSDL operation.

The SOAP body contains the **GetRootTypeDescriptorForParameterResponse** element.

### 3.1.4.81.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetRootTypeDescriptorForParameter	The input data for the <b>GetRootTypeDescriptorForParameter</b> WSDL operation.
GetRootTypeDescriptorForParameterResponse	The result data for the <b>GetRootTypeDescriptorForParameter</b> WSDL operation.

### 3.1.4.81.2.1 GetRootTypeDescriptorForParameter

The input data for the **GetRootTypeDescriptorForParameter** WSDL operation.

```
<xs:element name="GetRootTypeDescriptorForParameter"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterId:** The MetadataObjectId of the Parameter.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.81.2.2 GetRootTypeDescriptorForParameterResponse

The result data for the **GetRootTypeDescriptorForParameter** WSDL operation.

```
<xs:element name="GetRootTypeDescriptorForParameterResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="GetRootTypeDescriptorForParameterResult" nillable="true"
        type="tns6:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetRootTypeDescriptorForParameterResult:** The root TypeDescriptor of the Parameter. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client.

### 3.1.4.81.3 Complex Types

None.

### 3.1.4.81.4 Simple Types

None.

### 3.1.4.81.5 Attributes

None.

### 3.1.4.81.6 Groups

None.

### 3.1.4.81.7 Attribute Groups

None.

### 3.1.4.82 GetServiceApplicationId

The **GetServiceApplicationId** operation retrieves the unique implementation-specific identifier of a metadata store.

```
<wsdl:operation name="GetServiceApplicationId" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetServiceApplicationId"
    message="i0:BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetServiceApplicationIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_GetServiceApplicationId\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetServiceApplicationId\_OutputMessage** response message, unless any faults occur.

#### 3.1.4.82.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage	The request WSDL message for the <b>GetServiceApplicationId</b> WSDL operation.
BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage	The response WSDL message for the <b>GetServiceApplicationId</b> WSDL operation.

##### 3.1.4.82.1.1

#### BusinessDataCatalogSharedService\_GetServiceApplicationId\_InputMessage

The request WSDL message for the **GetServiceApplicationId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetServiceApplicationId
```



The SOAP body contains the **GetServiceApplicationId** element.

#### 3.1.4.82.1.2

#### **BusinessDataCatalogSharedService\_GetServiceApplicationId\_OutputMessage**

The response WSDL message for the **GetServiceApplicationId** WSDL operation.

The SOAP body contains the **GetServiceApplicationIdResponse** element.

#### 3.1.4.82.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetServiceApplicationId	The input data for the <b>GetServiceApplicationId</b> WSDL operation.
GetServiceApplicationIdResponse	The result data for the <b>GetServiceApplicationId</b> WSDL operation.

##### 3.1.4.82.2.1 GetServiceApplicationId

The input data for the **GetServiceApplicationId** WSDL operation.

```
<xs:element name="GetServiceApplicationId" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

##### 3.1.4.82.2.2 GetServiceApplicationIdResponse

The result data for the **GetServiceApplicationId** WSDL operation.

```
<xs:element name="GetServiceApplicationIdResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="GetServiceApplicationIdResult" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetServiceApplicationIdResult:** The unique implementation-specific identifier of a metadata store. The value of the identifier MUST be a GUID.

##### 3.1.4.82.3 Complex Types

None.

##### 3.1.4.82.4 Simple Types

None.

### 3.1.4.82.5 Attributes

None.

### 3.1.4.82.6 Groups

None.

### 3.1.4.82.7 Attribute Groups

None.

### 3.1.4.83 GetSystemUtilityTypeNameForLobSystem

The **GetSystemUtilityTypeNameForLobSystem** operation retrieves the implementation-specific identifier of the module that executes operations in the line-of-business (LOB) system corresponding to the specified LobSystem.

```
<wsdl:operation name="GetSystemUtilityTypeNameForLobSystem"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystem"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessag
e" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InvalidOper
ationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_BdcExceptio
nStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_MetadataExc
eptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentExc
eptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentNul
lExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentOut
OfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero "0".
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">InvalidMetadataPropertyExceptionState</a> (from namespace <a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>LobSystem</b> has an invalid value for the <b>Property</b> named <b>SystemUtilityTypeName</b> . Validity of this <b>Property</b> is specified in section 3.1.4.83.2.2.

### 3.1.4.83.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessage	The request WSDL message for the <b>GetSystemUtilityTypeNameForLobSystem</b> WSDL operation.
BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessage	The response WSDL message for the <b>GetSystemUtilityTypeNameForLobSystem</b> WSDL operation.

#### 3.1.4.83.1.1

### **BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_InputMessage**

The request WSDL message for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetSystemUtilityTypeNameForLobSystem** element.

### 3.1.4.83.1.2

#### **BusinessDataCatalogSharedService\_GetSystemUtilityTypeNameForLobSystem\_outputMessage**

The response WSDL message for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

The SOAP body contains the **GetSystemUtilityTypeNameForLobSystemResponse** element.

### 3.1.4.83.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetSystemUtilityTypeNameForLobSystem	The input data for the <b>GetSystemUtilityTypeNameForLobSystem</b> WSDL operation.
GetSystemUtilityTypeNameForLobSystemResponse	The result data for the <b>GetSystemUtilityTypeNameForLobSystem</b> WSDL operation.

#### 3.1.4.83.2.1 GetSystemUtilityTypeNameForLobSystem

The input data for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

```
<xs:element name="GetSystemUtilityTypeNameForLobSystem"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemStruct:** The LobSystem.

#### 3.1.4.83.2.2 GetSystemUtilityTypeNameForLobSystemResponse

The result data for the **GetSystemUtilityTypeNameForLobSystem** WSDL operation.

```
<xs:element name="GetSystemUtilityTypeNameForLobSystemResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="GetSystemUtilityTypeNameForLobSystemResult"
nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetSystemUtilityTypeNameForLobSystemResult:** The implementation-specific [102](#) identifier of the module that runs operations in the line-of-business (LOB) system.

### 3.1.4.83.3 Complex Types

None.

### 3.1.4.83.4 Simple Types

None.

### 3.1.4.83.5 Attributes

None.

### 3.1.4.83.6 Groups

None.

### 3.1.4.83.7 Attribute Groups

None.

### 3.1.4.84 GetThrottlingRules

The **GetThrottlingRules** operation retrieves all throttle configuration settings used by the protocol server.

```

<wsdl:operation name="GetThrottlingRules" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRules"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesResponse"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_ArgumentNullExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_AccessDeniedExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

```

```

edService/GetThrottlingRulesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_BdcExceptionStateFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_ArgumentExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetThrottlingRules\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetThrottlingRules\_OutputMessage** response message, unless any faults occur.

### 3.1.4.84.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetThrottlingRules_InputMessage	The request WSDL message for the <b>GetThrottlingRules</b> WSDL operation.
BusinessDataCatalogSharedService_GetThrottlingRules_OutputMessage	The response WSDL message for the <b>GetThrottlingRules</b> WSDL operation.

#### 3.1.4.84.1.1

##### **BusinessDataCatalogSharedService\_GetThrottlingRules\_InputMessage**

The request WSDL message for the **GetThrottlingRules** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetThrottlingRules

```

The SOAP body contains the **GetThrottlingRules** element.

#### 3.1.4.84.1.2

##### **BusinessDataCatalogSharedService\_GetThrottlingRules\_OutputMessage**

The response WSDL message for the **GetThrottlingRules** WSDL operation.

The SOAP body contains the **GetThrottlingRulesResponse** element.

### 3.1.4.84.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetThrottlingRules	The input data for the <b>GetThrottlingRules</b> WSDL operation.
GetThrottlingRulesResponse	The result data for the <b>GetThrottlingRules</b> WSDL operation.

### 3.1.4.84.2.1 GetThrottlingRules

The input data for the **GetThrottlingRules** WSDL operation.

```
<xs:element name="GetThrottlingRules" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.84.2.2 GetThrottlingRulesResponse

The result data for the **GetThrottlingRules** WSDL operation.

```
<xs:element name="GetThrottlingRulesResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetThrottlingRulesResult" nillable="true" type="tns6:ArrayOfSafetyNetStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetThrottlingRulesResult:** The list of throttle configuration settings.

### 3.1.4.84.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
ArrayOfSafetyNetStruct	Contains a list of throttle configuration settings.

#### 3.1.4.84.3.1 ArrayOfSafetyNetStruct

**Namespace:** Microsoft.SharePoint.BusinessData

The **ArrayOfSafetyNetStruct** complex type contains a list of throttle configuration settings.

```
<xs:complexType name="ArrayOfSafetyNetStruct" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SafetyNetStruct" nillable="true"
type="tns6:SafetyNetStruct"/>
  </xs:sequence>
</xs:complexType>
```

**SafetyNetStruct:** A throttle configuration setting.

#### 3.1.4.84.4 Simple Types

None.

#### 3.1.4.84.5 Attributes

None.

#### 3.1.4.84.6 Groups

None.

#### 3.1.4.84.7 Attribute Groups

None.

#### 3.1.4.85 GetTypeDescriptorById

The **GetTypeDescriptorById** operation retrieves the TypeDescriptor with the specified MetadataObjectId.

```
<wsdl:operation name="GetTypeDescriptorById" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorById"
    message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdResponse"
    message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
```



```

message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentNullExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentOutOfRangeExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_GetTypeDescriptorById\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetTypeDescriptorById\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding server error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObjectId</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/SharePoint/2009/BusinessData/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExcepState (from namespace Microsoft.SharePoint.BusinessData)</a>	A <b>TypeDescriptor</b> with the specified <b>MetadataObjectId</b> does not exist in the partition (1) of the protocol client, and the value of the <b>performErrorCheck</b> element is "true".

### 3.1.4.85.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage	The request WSDL message for the <b>GetTypeDescriptorById</b> WSDL operation.
BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage	The response WSDL message for the <b>GetTypeDescriptorById</b> WSDL operation.

#### 3.1.4.85.1.1

### BusinessDataCatalogSharedService\_GetTypeDescriptorById\_InputMessage

The request WSDL message for the **GetTypeDescriptorById** WSDL operation.

The SOAP action value is:

The SOAP body contains the **GetTypeDescriptorById** element.

### 3.1.4.85.1.2

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorById\_OutputMessage**

The response WSDL message for the **GetTypeDescriptorById** WSDL operation.

The SOAP body contains the **GetTypeDescriptorByIdResponse** element.

### 3.1.4.85.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTypeDescriptorById	The input data for the <b>GetTypeDescriptorById</b> WSDL operation.
GetTypeDescriptorByIdResponse	The result data for the <b>GetTypeDescriptorById</b> WSDL operation.

#### 3.1.4.85.2.1 GetTypeDescriptorById

The input data for the **GetTypeDescriptorById** WSDL operation.

```
<xs:element name="GetTypeDescriptorById" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**typeDescriptorId:** The MetadataObjectId of the TypeDescriptor.

**performErrorCheck:** The value of this element MUST be ignored by the protocol server if a **TypeDescriptor** with the specified **MetadataObjectId** exists. If a **TypeDescriptor** with the specified **MetadataObjectId** does not exist and this element is set to "false", the protocol server MUST set the value of the **GetTypeDescriptorByIdResult** element to NULL.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.85.2.2 GetTypeDescriptorByIdResponse

The result data for the **GetTypeDescriptorById** WSDL operation.

```
<xs:element name="GetTypeDescriptorByIdResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetTypeDescriptorByIdResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**GetTypeDescriptorByIdResult:** The **TypeDescriptor**. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client.

### 3.1.4.85.3 Complex Types

None.

### 3.1.4.85.4 Simple Types

None.

### 3.1.4.85.5 Attributes

None.

### 3.1.4.85.6 Groups

None.

### 3.1.4.85.7 Attribute Groups

None.

### 3.1.4.86 GetTypeDescriptorsByNameAndLevelForParameter

The **GetTypeDescriptorsByNameAndLevelForParameter** operation SHOULD [<103>](#) retrieve the **TypeDescriptors** with the specified name and level contained by the specified **Parameter**. The level of a **TypeDescriptor** is defined as follows:

- The level of the root **TypeDescriptor** is set to zero ("0").
- The level of the specified **TypeDescriptor** is 1 plus the level of the **TypeDescriptor** containing the specified **TypeDescriptor**.

```

<wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameter"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterResponse"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"

```

```

message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InvalidOperationExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#).

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId is set to zero ("0"), or the specified level is less than zero.
<b>BdcExceptionState</b> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	Either the <b>Parameter</b> with the specified <b>MetadataObjectId</b>

Error complex type	Condition
	or the specified name of the <b>TypeDescriptor</b> does not exist.

### 3.1.4.86.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage	The request WSDL message for the <b>GetTypeDescriptorsByNameAndLevelForParameter</b> WSDL operation.
BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage	The response WSDL message for the <b>GetTypeDescriptorsByNameAndLevelForParameter</b> WSDL operation.

#### 3.1.4.86.1.1

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_InputMessage**

The request WSDL message for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameter>

The SOAP body contains the **GetTypeDescriptorsByNameAndLevelForParameter** element.

#### 3.1.4.86.1.2

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorsByNameAndLevelForParameter\_OutputMessage**

The response WSDL message for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

The SOAP body contains the **GetTypeDescriptorsByNameAndLevelForParameterResponse** element.

### 3.1.4.86.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTypeDescriptorsByNameAndLevelForParameter	The input data for the

Element	Description
	<b>GetTypeDescriptorsByNameAndLevelForParameter</b> WSDL operation.
GetTypeDescriptorsByNameAndLevelForParameterResponse	The result data for the <b>GetTypeDescriptorsByNameAndLevelForParameter</b> WSDL operation.

### 3.1.4.86.2.1 GetTypeDescriptorsByNameAndLevelForParameter

The input data for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

```
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameter"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="level" type="xs:int"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**name:** The name of the TypeDescriptors that are retrieved.

**parameterId:** The MetadataObjectId of the Parameter.

**level:** The level of the **TypeDescriptors** that are retrieved.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.86.2.2 GetTypeDescriptorsByNameAndLevelForParameterResponse

The result data for the **GetTypeDescriptorsByNameAndLevelForParameter** WSDL operation.

```
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameterResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetTypeDescriptorsByNameAndLevelForParameterResult" nillable="true"
type="tns6:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTypeDescriptorsByNameAndLevelForParameterResult:** The list of TypeDescriptors. The partition (1) of each of these **TypeDescriptors** MUST be the partition (1) of the protocol client.

### 3.1.4.86.3 Complex Types

None.

### 3.1.4.86.4 Simple Types

None.

### 3.1.4.86.5 Attributes

None.

### 3.1.4.86.6 Groups

None.

### 3.1.4.86.7 Attribute Groups

None.

### 3.1.4.87 GetTypeDescriptorsForFilterDescriptor

The **GetTypeDescriptorsForFilterDescriptor** operation retrieves TypeDescriptors referenced by the specified FilterDescriptor.

```
<wsdl:operation name="GetTypeDescriptorsForFilterDescriptor"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptor"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMessa
ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentOu
tOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_BdcExcepti
onStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InvalidOpe
rationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentNullExceptionFault"
```

```

name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsForFilterDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified MetadataObjectId of the <b>FilterDescriptor</b> is set to zero ("0").

### 3.1.4.87.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMessage	The request WSDL message for the <b>GetTypeDescriptorsForFilterDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMessage	The response WSDL message for the <b>GetTypeDescriptorsForFilterDescriptor</b> WSDL operation.

#### 3.1.4.87.1.1

### BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_InputMessage

The request WSDL message for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsForFilterDescriptor

```

The SOAP body contains the **GetTypeDescriptorsForFilterDescriptor** element.



### 3.1.4.87.1.2

#### **BusinessDataCatalogSharedService\_GetTypeDescriptorsForFilterDescriptor\_OutputMessage**

The response WSDL message for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

The SOAP body contains the **GetTypeDescriptorsForFilterDescriptorResponse** element.

### 3.1.4.87.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTypeDescriptorsForFilterDescriptor	The input data for the <b>GetTypeDescriptorsForFilterDescriptor</b> WSDL operation.
GetTypeDescriptorsForFilterDescriptorResponse	The result data for the <b>GetTypeDescriptorsForFilterDescriptor</b> WSDL operation.

#### 3.1.4.87.2.1 GetTypeDescriptorsForFilterDescriptor

The input data for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

```
<xs:element name="GetTypeDescriptorsForFilterDescriptor"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**filterDescriptorId:** The MetadataObjectId of the FilterDescriptor.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.87.2.2 GetTypeDescriptorsForFilterDescriptorResponse

The result data for the **GetTypeDescriptorsForFilterDescriptor** WSDL operation.

```
<xs:element name="GetTypeDescriptorsForFilterDescriptorResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetTypeDescriptorsForFilterDescriptorResult" nillable="true"
type="tns6:ArrayOfTypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
```



```

edService/GetTypeReflectorTypeNameForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_MetadataExc
ptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentExc
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentNul
lExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentOut
OfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#).

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the specified <b>Parameter</b> is set to zero ("0").

### 3.1.4.88.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessage	The request WSDL message for the <b>GetTypeReflectorTypeNameForParameter</b> WSDL operation.
BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessage	The response WSDL message for the <b>GetTypeReflectorTypeNameForParameter</b> WSDL operation.

### 3.1.4.88.1.1

#### **BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_InputMessage**

The request WSDL message for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeReflectorTypeNameForParameter
```

The SOAP body contains the **GetTypeReflectorTypeNameForParameter** element.

### 3.1.4.88.1.2

#### **BusinessDataCatalogSharedService\_GetTypeReflectorTypeNameForParameter\_OutputMessage**

The response WSDL message for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

The SOAP body contains the **GetTypeReflectorTypeNameForParameterResponse** element.

### 3.1.4.88.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetTypeReflectorTypeNameForParameter	The input data for the <b>GetTypeReflectorTypeNameForParameter</b> WSDL operation.
GetTypeReflectorTypeNameForParameterResponse	The result data for the <b>GetTypeReflectorTypeNameForParameter</b> WSDL operation.

#### 3.1.4.88.2.1 GetTypeReflectorTypeNameForParameter

The input data for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

```
<xs:element name="GetTypeReflectorTypeNameForParameter"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterStruct:** The Parameter whose name is to be retrieved by the TypeReflector. The partition (1) of this **Parameter** MUST be the partition (1) of the protocol client.

### 3.1.4.88.2.2 GetTypeReflectorTypeNameForParameterResponse

The result data for the **GetTypeReflectorTypeNameForParameter** WSDL operation.

```
<xs:element name="GetTypeReflectorTypeNameForParameterResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetTypeReflectorTypeNameForParameterResult"
        nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetTypeReflectorTypeNameForParameterResult:** The implementation-specific name of the type of the TypeReflector of the specified Parameter.

### 3.1.4.88.3 Complex Types

None.

### 3.1.4.88.4 Simple Types

None.

### 3.1.4.88.5 Attributes

None.

### 3.1.4.88.6 Groups

None.

### 3.1.4.88.7 Attribute Groups

None.

### 3.1.4.89 GetXmlSchemaForView

The **GetXmlSchemaForView** operation is obsolete and MUST NOT be used.

```
<wsdl:operation name="GetXmlSchemaForView" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForView"
    message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewResponse"
    message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetXmlSchemaForViewBdcExceptionStateFault" name="BdcExceptionStateFault"/>
```

```

message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_BdcExceptionStateFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentExceptionFault_Fault
Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_InvalidOperationExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_MetadataExceptionStateFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentOutOfRangeExceptionF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentNullExceptionFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

### 3.1.4.89.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage	The request WSDL message for the <b>GetXmlSchemaForView</b> WSDL operation.
BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage	The response WSDL message for the <b>GetXmlSchemaForView</b> WSDL operation.

#### 3.1.4.89.1.1

#### **BusinessDataCatalogSharedService\_GetXmlSchemaForView\_InputMessage**

The request WSDL message for the **GetXmlSchemaForView** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Get
XmlSchemaForView

```

The SOAP body contains the **GetXmlSchemaForView** element.

### 3.1.4.89.1.2

#### **BusinessDataCatalogSharedService\_GetXmlSchemaForView\_OutputMessage**

The response WSDL message for the **GetXmlSchemaForView** WSDL operation.

The SOAP body contains the **GetXmlSchemaForViewResponse** element.

### 3.1.4.89.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetXmlSchemaForView	The input data for the <b>GetXmlSchemaForView</b> WSDL operation.
GetXmlSchemaForViewResponse	The result data for the <b>GetXmlSchemaForView</b> WSDL operation.

#### 3.1.4.89.2.1 GetXmlSchemaForView

The input data for the **GetXmlSchemaForView** WSDL operation.

```
<xs:element name="GetXmlSchemaForView" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="methodInstanceStruct" nillable="true" type="tns6:MethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**methodInstanceStruct:** The MethodInstance.

#### 3.1.4.89.2.2 GetXmlSchemaForViewResponse

The result data for the **GetXmlSchemaForView** WSDL operation.

```
<xs:element name="GetXmlSchemaForViewResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetXmlSchemaForViewResult" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**GetXmlSchemaForViewResult:** A string that contains the resulting XML schema. The XML schema MUST conform to [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#). The XML namespace specified by the XML schema is implementation-specific. The XML schema MUST specify the root element that corresponds to the View. The name of the root element MUST be equal to the name of the View. The root element MUST contain exactly one XML element for each of the fields (4) in the View. The XML element is declared based on the TypeDescriptors that correspond to fields (4).

### 3.1.4.89.3 Complex Types

None.

### 3.1.4.89.4 Simple Types

None.

### 3.1.4.89.5 Attributes

None.

### 3.1.4.89.6 Groups

None.

### 3.1.4.89.7 Attribute Groups

None.

### 3.1.4.90 HaveRights

The **HaveRights** operation retrieves whether the security principal (1) in whose context the protocol client is operating has the specified permission on the specified **MetadataObject** based on the permissions specified by the ACEs in the specified **Setting** associated with the specified **MetadataObject**.

```
<wsdl:operation name="HaveRights" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/HaveRights" message="i0:BusinessDataCatalogSharedService_HaveRights_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/HaveRightsResponse"
    message="i0:BusinessDataCatalogSharedService_HaveRights_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/HaveRightsArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_HaveRights_ArgumentNullExceptionFault_FaultMessa
    ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/HaveRightsArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_HaveRights_ArgumentOutOfRangeExceptionFault_Faul
    tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/HaveRightsBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_HaveRights_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/HaveRightsInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_HaveRights_InvalidOperationExceptionFault_FaultM
    essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```



```

edService/HaveRightsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_MetadataExceptionStateFault_FaultMess
age" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_HaveRights\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_HaveRights\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The MetadataObjectId of the specified <b>MetadataObject</b> is set to zero ("0").
<a href="http://schemas.microsoft.com/sharepoint/businessdata/2009/01/10/Microsoft.SharePoint.BusinessData.MetadataObjectNotFoundExceptionState">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.90.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_HaveRights_InputMessage	The request WSDL message for the <b>HaveRights</b> WSDL operation.
BusinessDataCatalogSharedService_HaveRights_OutputMessage	The response WSDL message for the <b>HaveRights</b> WSDL operation.

#### 3.1.4.90.1.1 BusinessDataCatalogSharedService\_HaveRights\_InputMessage

The request WSDL message for the **HaveRights** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Hav
eRights

```

The SOAP body contains the **HaveRights** element.

### 3.1.4.90.1.2 BusinessDataCatalogSharedService\_HaveRights\_OutputMessage

The response WSDL message for the **HaveRights** WSDL operation.

The SOAP body contains the **HaveRightsResponse** element.

### 3.1.4.90.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
HaveRights	The input data for the <b>HaveRights</b> WSDL operation.
HaveRightsResponse	The result data for the <b>HaveRights</b> WSDL operation.

#### 3.1.4.90.2.1 HaveRights

The input data for the **HaveRights** WSDL operation.

```
<xs:element name="HaveRights" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
minOccurs="0" name="rights" type="tns:BdcRights"/>
      <xs:element minOccurs="0" name="fallBack" type="xs:boolean"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**rights:** The permission to check.

**fallBack:** When the value of this element is "true", the protocol server MUST use the ACEs in the default **Setting** for the specified **MetadataObject** if there are no ACEs exist in the specified Setting for the specified **MetadataObject**.

**settingId:** The Setting that contains the ACEs. If the value of this element is NULL, the protocol server MUST use the ACEs contained by the default Setting.

#### 3.1.4.90.2.2 HaveRightsResponse

The result data for the **HaveRights** WSDL operation.

```
<xs:element name="HaveRightsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="HaveRightsResult" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    </xs:complexType>
  </xs:element>

```

**HaveRightsResult:** If the security principal (1) in whose context the protocol client is operating has the specified permissions, this value MUST be set to "true". Otherwise, this value MUST be set to "false".

### 3.1.4.90.3 Complex Types

None.

### 3.1.4.90.4 Simple Types

The following table summarizes the XML schema simple type definitions that are specific to this operation.

Simple type	Description
BdcRights	Specifies the permission given a security principal (1) on a MetadataObject.

#### 3.1.4.90.4.1 BdcRights

**Namespace:** http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure

The **BdcRights** simple type represents a permission a given security principal (1) can have on a MetadataObject.

```

<xs:simpleType name="BdcRights" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="Execute"/>
        <xs:enumeration value="Edit"/>
        <xs:enumeration value="SetPermissions"/>
        <xs:enumeration value="UseInBusinessDataInLists"/>
        <xs:enumeration value="SelectableInClients"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>

```

The following table specifies the allowable values for **BdcRights**.

Value	Meaning
None	No permissions.
Execute	The security principal (1) has the permission to invoke a MethodInstance.
Edit	The security principal (1) has permission to change the attributes of a <b>MetadataObject</b> or its relationship to other <b>MetadataObjects</b> .
SetPermissions	The security principal (1) has permission to change the set of permissions for

Value	Meaning
	a <b>MetadataObject</b> .
UseInBusinessDataInLists	This value is obsolete and MUST NOT be used.
SelectableInClients	The security principal (1) has permission to select the <b>MetadataObject</b> this permission refers to in an implementation-specific user interface from a list of available <b>MetadataObjects</b> . If the security principal (1) does not have this permission, the <b>MetadataObject</b> SHOULD NOT be presented in such a list.

### 3.1.4.90.5 Attributes

None.

### 3.1.4.90.6 Groups

None.

### 3.1.4.90.7 Attribute Groups

None.

### 3.1.4.91 ImportPackage

The **ImportPackage** operation creates the following objects in the metadata store:

- **MetadataObjects** contained by the specified **MetadataModel**, along with their **Properties**, localized names, and ACEs, if the "Model" value is specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML element that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1. If the **MetadataModel** contains a **LobSystem** that has the same name and type as a **LobSystem** in the metadata store, the **LobSystem** in the **MetadataModel** MUST be ignored by the protocol server, along with all **LobSystemInstances** contained by that **LobSystem**, along with **Properties**, localized names, and ACEs of the ignored **MetadataObjects**. If the **MetadataModel** contains an **Entity** that has the same name, namespace, and version as an **Entity** in the metadata store, and if the names of the **LobSystems** that contain these **Entities** are identical, the **Entity** in the **MetadataModel** MUST be ignored by the protocol server, along with all **MetadataObjects** contained by the **Entity** or other ignored **MetadataObjects**, and along with the **Properties**, localized names, and ACEs of the ignored **MetadataObjects**.
- Localized names, **Properties**, and ACEs corresponding to **MetadataObjects** contained by the specified **MetadataModel**, if the "Model" value is not specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML element that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.

```
<wsdl:operation name="ImportPackage" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackage"
    message="i0:BusinessDataCatalogSharedService_ImportPackage_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageResponse"
    message="i0:BusinessDataCatalogSharedService_ImportPackage_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

```

    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackagePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ImportPackage\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ImportPackage\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises a [PackageFormatExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under any of the following conditions:

- The "Model" value is specified for the **packageContents** element, and the specified XML does not conform to the Business Data Connectivity Model File Format specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1.

- The "Model" value is not specified for the **packageContents** element, and the specified XML does not conform to the Business Data Connectivity Model File Format specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.
- The **updateModel** element is set to "false", the "Model" value is specified for the **packageContents** element, and there is already another **Model** with the same name as the **Model** contained by the **MetadataModel** in the specified partition (1).
- The **updateModel** element is set to "true", the "Model" value is specified for the **packageContents** element, and the **Model** contained by the **MetadataModel** does not exist in the specified partition (1).

The security principal (1) in whose context the protocol client is operating is not authorized to create or modify the specified **Model**.

- The **security principal (1)** in whose context the protocol client is operating is not authorized to create or modify the specified **MetadataCatalog**.
- The "Model" value is not specified for the **packageContents** element, and at least one of the **MetadataObjects** contained by the **MetadataModel** does not exist in the metadata store.
- The "Model" value is specified for the **packageContents** element, and one of the **LobSystems** contained by the **MetadataModel** has the same name as a **LobSystem** in the metadata store. However, the **LobSystem** contained by the **MetadataModel** has a different type than the **LobSystem** in the metadata store.
- The "Model" value is specified for the **packageContents** element, and one of the **Entities** contained by the **MetadataModel** has the same name, namespace, and version as an **Entity** in the metadata store. However, the names of the **LobSystems** that contain these **Entities** are different.
- The "InlineProxies" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **LobSystem** with an associated Business Logic Module.
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **Method** that contains more than one **FilterDescriptor** of type **TimeStampFilter**.

The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **StreamAccessor** that specifies **ReturnPropertyDescriptor** that contains other **TypeDescriptors**.

- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **StreamAccessor** and the **TypeDescriptor** containing the **ReturnPropertyDescriptor** of this **MethodInstance** contains another **TypeDescriptor** under its parent **TypeDescriptor**, and the **LobSystem** containing the **Entity** which contains this **StreamAccessor** has type specified as "Database".
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **MethodInstance**, and the **Method** for which this **MethodInstance** is being created does not have a **Parameter** whose **Direction** is "In" or "InOut" and the type of this **MethodInstance** is one of the following values:
  - AccessChecker
  - AssociationNavigator

- Associator
- BinarySecurityDescriptorAccessor
- BulkAssociatedIdEnumerator
- BulkAssociationNavigator
- BulkIdEnumerator
- BulkSpecificFinder
- ChangedIdEnumerator
- DeletedIdEnumerator
- Deleter
- Disassociator
- SpecificFinder
- Updater
- StreamAccessor
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **MethodInstance**, the **Method** containing this **MethodInstance** does not contain a **TimeStampFilter** and the type of this **MethodInstance** is one of the following values:
  - ChangedIdEnumerator
  - DeletedIdEnumerator

### 3.1.4.91.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ImportPackage_InputMessage	The request WSDL message for the <b>ImportPackage</b> WSDL operation.
BusinessDataCatalogSharedService_ImportPackage_OutputMessage	The response WSDL message for the <b>ImportPackage</b> WSDL operation.

#### 3.1.4.91.1.1 BusinessDataCatalogSharedService\_ImportPackage\_InputMessage

The request WSDL message for the **ImportPackage** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackage>

The SOAP body contains the **ImportPackage** element.

### 3.1.4.91.1.2 BusinessDataCatalogSharedService\_ImportPackage\_OutputMessage

The response WSDL message for the **ImportPackage** WSDL operation.

The SOAP body contains the **ImportPackageResponse** element.

### 3.1.4.91.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ImportPackage	The input data for the <b>ImportPackage</b> WSDL operation.
ImportPackageResponse	The result data for the <b>ImportPackage</b> WSDL operation.

#### 3.1.4.91.2.1 ImportPackage

The input data for the **ImportPackage** WSDL operation.

```
<xs:element name="ImportPackage" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="adminStruct" nillable="true" type="tns6:AdministrationMetadataCatalogStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="0" name="updateModel" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** is to be created. The protocol server MUST use the following rules:

- If the "Model" value is specified, this operation MUST create **MetadataObjects** in the metadata store. The protocol server MUST set all **Entities** contained by the specified **MetadataModel** to active. If any of the **Entities** contain reference errors as specified in section [3.1.4.5.3.2](#), the protocol server MUST NOT set any **Entity** contained by the specified **MetadataModel** as active.
- If the "Model" value is not specified, the protocol server MUST NOT create any **MetadataObjects**.
- If the "Properties" value is specified, the protocol server MUST create the specified **Properties** for the corresponding **MetadataObjects**. If the metadata store already contains a **Property** with the same name in the specified Setting for the **MetadataObject**, the **Property** in the metadata store MUST be replaced.



- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST create the specified localized names for the corresponding MetadataObjects. If the metadata store already contains a localized name with the same LCID in the specified **Setting** for the MetadataObject, the localized name in the metadata store MUST be replaced.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified MetadataModel.
- If the "Permissions" value is specified, the protocol server MUST delete ACEs in the metadata store for the corresponding MetadataObjects and create the specified ACEs for the corresponding MetadataObjects.
- If the "Permissions" value is not specified, the protocol server MUST ignore ACEs in the specified MetadataModel.

**adminStruct:** The MetadataCatalog that contains the **Model** contained by the **MetadataModel**. If the "Model" value is specified for the **packageContents** element, the protocol server MUST create the **Model** in the specified MetadataCatalog. The partition (1) of this **MetadataCatalog** MUST be the partition (1) of the protocol client.

**settingId:** The Setting in which to create the **Properties**, localized names, and ACEs.

**callerCultureLcid:** Specifies the LCID corresponding to the locale for which the error messages are to be returned. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

**updateModel:** Specifies whether the **Model** contained by the **MetadataModel** already exists in the metadata store. If this element is set to "true", the protocol server MUST remove all **Entity** references from the **Model**. Then, the protocol server MUST create **Entity** references in the **Model** to all the **Entities** contained by the specified **MetadataModel**. If the "Model" value is not specified for the **packageContents** element the value of this element MUST be ignored by the protocol server.

### 3.1.4.91.2.2 ImportPackageResponse

The result data for the **ImportPackage** WSDL operation.

```
<xs:element name="ImportPackageResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ImportPackageResult" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ImportPackageResult:** The Model from the metadata store that corresponds to the specified MetadataModel.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation, as well as other implementation-specific informational messages related to the operation.

### 3.1.4.91.3 Complex Types

None.

### 3.1.4.91.4 Simple Types

None.

### 3.1.4.91.5 Attributes

None.

### 3.1.4.91.6 Groups

None.

### 3.1.4.91.7 Attribute Groups

None.

## 3.1.4.92 ImportPackageWithProgress

The **ImportPackageWithProgress** operation creates the following objects in the metadata store:

- MetadataObjects contained by the specified MetadataModel, along with their **Properties**, localized names, and ACEs, if the "Model" value is specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML element that conforms to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1. If the **MetadataModel** contains a LobSystem that has the same name and type as a **LobSystem** in the metadata store, the **LobSystem** in the **MetadataModel** MUST be ignored by the protocol server, along with all LobSystemInstances contained by that **LobSystem** along with **Properties**, localized names, and ACEs of the ignored **MetadataObjects**. If the **MetadataModel** contains an Entity that has the same name, namespace, and version as an **Entity** in the metadata store, and if the names of the **LobSystems** that contain these **Entities** are identical, the **Entity** in the **MetadataModel** MUST be ignored by the protocol server, along with all **MetadataObjects** contained by the **Entity** or other ignored **MetadataObjects**, and along with the **Properties**, localized names, and ACEs of the ignored **MetadataObjects**.
- Localized names, **Properties**, and ACEs corresponding to **MetadataObjects** contained by the specified **MetadataModel**, if the "Model" value is not specified for the **packageContents** element. The **MetadataModel** MUST be specified as an XML element that conforms to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.

The protocol server MUST track the progress of this operation with the specified identifier. The protocol client can retrieve the progress of this operation by using the [GetImportProgress](#) operation with the specified identifier.

```
<wsdl:operation name="ImportPackageWithProgress"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/ImportPackageWithProgress"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressResponse"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_MetadataExceptionState
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_BdcExceptionStateFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_InvalidOperationExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_PackageFormatException
StateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentNullExceptionF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ImportPackageWithProgress\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ImportPackageWithProgress\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises a [PackageFormatExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under any of the following conditions:

- The "Model" value is specified for the **packageContents** element, and the specified XML does not conform to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1.
- The "Model" value is not specified for the **packageContents** element, and the specified XML does not conform to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.
- The **updateModel** element is set to "false", the "Model" value is specified for the **packageContents** element, and there is already another **Model** with the same name as the **Model** contained by the **MetadataModel** in the specified partition (1).
- The **updateModel** element is set to "false", the "Model" value is specified for the **packageContents** element, and another **Model** with the same name already exists in the metadata store.
- The security principal (1) in whose context the protocol client is operating is not authorized to create or modify the specified **Model**.
- The **security principal (1)** in whose context the protocol client is operating is not authorized to create or modify the specified **MetadataCatalog**.
- The **updateModel** element is set to "true", the "Model" value is specified for the **packageContents** element, and the **Model** contained by the **MetadataModel** does not exist in the specified partition (1).
- The "Model" value is not specified for the **packageContents** element, and at least one of the **MetadataObjects** contained by the **MetadataModel** does not exist in the metadata store.
- The "Model" value is specified for the **packageContents** element, and one of the **LobSystems** contained by the **MetadataModel** has the same name as a **LobSystem** in the metadata store. However, the **LobSystem** contained by the **MetadataModel** has a different type than the **LobSystem** in the metadata store.
- The "Model" value is specified for the **packageContents** element, and one of the **Entities** contained by the **MetadataModel** has the same name, namespace, and version as an **Entity** in the metadata store. However, the names of the **LobSystems** that contain these **Entities** are different.
- The "InlineProxies" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **LobSystem** with an associated Business Logic Module.
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a Method that contains more than one **FilterDescriptor** of type **TimeStampFilter**.
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **StreamAccessor** that specifies **ReturnPropertyDescriptor** that contains other **TypeDescriptors**.
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **StreamAccessor** and the **TypeDescriptor** containing the **ReturnPropertyDescriptor** of this **MethodInstance** contains another **TypeDescriptor** under its

parent **TypeDescriptor**, and the **LobSystem** containing the **Entity** which contains this **StreamAccessor** has type specified as "Database".

- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **MethodInstance**, and the **Method** for which this **MethodInstance** is being created does not have a **Parameter** whose **Direction** is "In" or "InOut" and the type of this **MethodInstance** is one of the following values:
  - AccessChecker
  - AssociationNavigator
  - Associator
  - BinarySecurityDescriptorAccessor
  - BulkAssociatedIdEnumerator
  - BulkAssociationNavigator
  - BulkIdEnumerator
  - BulkSpecificFinder
  - ChangedIdEnumerator
  - DeletedIdEnumerator
  - Deleter
  - Disassociator
  - SpecificFinder
  - Updater
  - StreamAccessor
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **MethodInstance**, the **Method** containing this **MethodInstance** does not contain a **TimeStampFilter** and the type of this **MethodInstance** is one of the following values:
  - ChangedIdEnumerator
  - DeletedIdEnumerator

### 3.1.4.92.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage	The request WSDL message for the <b>ImportPackageWithProgress</b> WSDL operation.

Message	Description
BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage	The response WSDL message for the <b>ImportPackageWithProgress</b> WSDL operation.

### 3.1.4.92.1.1

#### BusinessDataCatalogSharedService\_ImportPackageWithProgress\_InputMessage

The request WSDL message for the **ImportPackageWithProgress** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ImportPackageWithProgress
```

The SOAP body contains the **ImportPackageWithProgress** element.

### 3.1.4.92.1.2

#### BusinessDataCatalogSharedService\_ImportPackageWithProgress\_OutputMessage

The response WSDL message for the **ImportPackageWithProgress** WSDL operation.

The SOAP body contains the **ImportPackageWithProgressResponse** element.

### 3.1.4.92.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ImportPackageWithProgress	The input data for the <b>ImportPackageWithProgress</b> WSDL operation.
ImportPackageWithProgressResponse	The result data for the <b>ImportPackageWithProgress</b> WSDL operation.

### 3.1.4.92.2.1 ImportPackageWithProgress

The input data for the **ImportPackageWithProgress** WSDL operation.

```
<xs:element name="ImportPackageWithProgress" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tms6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tms6:PackageContents"/>
      <xs:element xmlns:tms6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="adminStruct" nillable="true" type="tms6:AdministrationMetadataCatalogStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```

    <xs:element minOccurs="0" name="updateModel" type="xs:boolean"/>
    <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="jobId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**xml:** The XML representation of the **MetadataModel** that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** is to be created. The protocol server MUST use the following rules:

- If the "Model" value is specified, this operation MUST create **MetadataObjects** in the metadata store. The protocol server MUST set all **Entities** contained by the specified **MetadataModel** to active. If any of the **Entities** contain reference errors as specified in section [3.1.4.5.3.2](#), the protocol server MUST NOT set any **Entity** contained by the specified **MetadataModel** as active.
- If the "Model" value is not specified, the protocol server MUST NOT create any **MetadataObjects**.
- If the "Properties" value is specified, the protocol server MUST create the specified **Properties** for the corresponding **MetadataObjects**. If the metadata store already contains a **Property** with the same name in the specified **Setting** for the **MetadataObject**, the **Property** in the metadata store MUST be replaced.
- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**. If the metadata store already contains a localized name with the same LCID in the specified **Setting** for the **MetadataObject**, the localized name in the metadata store MUST be replaced.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified, the protocol server MUST delete ACEs in the metadata store for the corresponding **MetadataObjects** and create the specified ACEs for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified, the protocol server MUST ignore ACEs in the specified **MetadataModel**.

**adminStruct:** The **MetadataCatalog** that contains the Model contained by the **MetadataModel**. If the "Model" value is specified for the **packageContents** element, the protocol server MUST create the **Model** in the specified **MetadataCatalog**. The partition (1) of this **MetadataCatalog** MUST be the partition (1) of the protocol client.

**settingId:** The **Setting** in which to create the **Properties**, localized names, and ACEs.

**callerCultureLcid:** Specifies the LCID corresponding to the locale for which the error messages are to be returned. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, the protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

**updateModel:** Specifies whether the **Model** contained by the **MetadataModel** already exists in the metadata store. If this element is set to "true", the protocol server **MUST** remove all **Entity** references from the **Model**. Then, the protocol server **MUST** create **Entity** references in the **Model** to all the **Entities** contained by the specified **MetadataModel**. If the "Model" value is not specified for the **packageContents** element the value of this element **MUST** be ignored by the protocol server.

**jobId:** Identifier for the operation. The value of this element **MUST** be unique across all requests for this operation.

### 3.1.4.92.2.2 ImportPackageWithProgressResponse

The result data for the **ImportPackageWithProgress** WSDL operation.

```
<xs:element name="ImportPackageWithProgressResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="ImportPackageWithProgressResult" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ImportPackageWithProgressResult:** The Model from the metadata store that corresponds to the specified MetadataModel.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation, as well as other implementation-specific informational messages related to the operation.

### 3.1.4.92.3 Complex Types

None.

### 3.1.4.92.4 Simple Types

None.

### 3.1.4.92.5 Attributes

None.

### 3.1.4.92.6 Groups

None.

### 3.1.4.92.7 Attribute Groups

None.



### 3.1.4.93 IsMethodInstantiated

The **IsMethodInstantiated** operation checks whether the specified Method contains at least one MethodInstance.

```
<wsdl:operation name="IsMethodInstantiated" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiated"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedResponse"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_IsMethodInstantiated\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_IsMethodInstantiated\_OutputMessage** response message, unless any faults occur.

#### 3.1.4.93.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage	The request WSDL message for the <b>IsMethodInstantiated</b> WSDL operation.
BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage	The response WSDL message for the <b>IsMethodInstantiated</b> WSDL operation.

### 3.1.4.93.1.1

#### BusinessDataCatalogSharedService\_IsMethodInstantiated\_InputMessage

The request WSDL message for the **IsMethodInstantiated** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiated
```

The SOAP body contains the **IsMethodInstantiated** element.

### 3.1.4.93.1.2

#### BusinessDataCatalogSharedService\_IsMethodInstantiated\_OutputMessage

The response WSDL message for the **IsMethodInstantiated** WSDL operation.

The SOAP body contains the **IsMethodInstantiatedResponse** element.

### 3.1.4.93.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
IsMethodInstantiated	The input data for the <b>IsMethodInstantiated</b> WSDL operation.
IsMethodInstantiatedResponse	The result data for the <b>IsMethodInstantiated</b> WSDL operation.

### 3.1.4.93.2.1 IsMethodInstantiated

The input data for the **IsMethodInstantiated** WSDL operation.

```
<xs:element name="IsMethodInstantiated" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

**methodId:** The MetadataObjectId for the Method.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.93.2.2 IsMethodInstantiatedResponse

The result data for the **IsMethodInstantiated** WSDL operation.

```
<xs:element name="IsMethodInstantiatedResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="IsMethodInstantiatedResult" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**IsMethodInstantiatedResult:** This element MUST be set to "true", if the **Method** contains at least one **MethodInstance**. Otherwise, it MUST be set to "false".

### 3.1.4.93.3 Complex Types

None.

### 3.1.4.93.4 Simple Types

None.

### 3.1.4.93.5 Attributes

None.

### 3.1.4.93.6 Groups

None.

### 3.1.4.93.7 Attribute Groups

None.

### 3.1.4.94 IsParameterReferencedByMethodInstance

The **IsParameterReferencedByMethodInstance** operation checks whether the specified **Parameter** contains any **TypeDescriptor** that is the **ReturnTypeDescriptor** of any **MethodInstance** contained by the **Method** containing the **Parameter**.

```
<wsdl:operation name="IsParameterReferencedByMethodInstance"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstance"
    message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceResponse"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMess
age" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_BdcExcepti
onStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InvalidOpe
rationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_MetadataEx
ceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
          <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentNu
llExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
            <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentOu
tOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
          </wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/System.ArgumentOutOfRangeException">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId of the specified <b>Parameter</b> is set to zero ("0").

Error complex type	Condition
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Parameter</b> does not exist.

### 3.1.4.94.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage	The request WSDL message for the <b>IsParameterReferencedByMethodInstance</b> WSDL operation.
BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage	The response WSDL message for the <b>IsParameterReferencedByMethodInstance</b> WSDL operation.

#### 3.1.4.94.1.1

### **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_InputMessage**

The request WSDL message for the **IsParameterReferencedByMethodInstance** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsParameterReferencedByMethodInstance>

The SOAP body contains the **IsParameterReferencedByMethodInstance** element.

#### 3.1.4.94.1.2

### **BusinessDataCatalogSharedService\_IsParameterReferencedByMethodInstance\_OutputMessage**

The response WSDL message for the **IsParameterReferencedByMethodInstance** WSDL operation.

The SOAP body contains the **IsParameterReferencedByMethodInstanceResponse** element.

### 3.1.4.94.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
IsParameterReferencedByMethodInstance	The input data for the <b>IsParameterReferencedByMethodInstance</b> WSDL operation.

Element	Description
IsParameterReferencedByMethodInstanceResponse	The result data for the <b>IsParameterReferencedByMethodInstance</b> WSDL operation.

### 3.1.4.94.2.1 IsParameterReferencedByMethodInstance

The input data for the **IsParameterReferencedByMethodInstance** WSDL operation.

```
<xs:element name="IsParameterReferencedByMethodInstance"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**parameterId:** The MetadataObjectId for the Parameter.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.94.2.2 IsParameterReferencedByMethodInstanceResponse

The result data for the **IsParameterReferencedByMethodInstance** WSDL operation.

```
<xs:element name="IsParameterReferencedByMethodInstanceResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="IsParameterReferencedByMethodInstanceResult"
        type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**IsParameterReferencedByMethodInstanceResult:** If this element is set to "true", the specified Parameter contains a ReturnPropertyDescriptor. If set to "false", the specified **Parameter** SHOULD NOT contain a **ReturnPropertyDescriptor** [<104>](#).

### 3.1.4.94.3 Complex Types

None.

### 3.1.4.94.4 Simple Types

None.

### 3.1.4.94.5 Attributes

None.

### 3.1.4.94.6 Groups

None.

### 3.1.4.94.7 Attribute Groups

None.

### 3.1.4.95 MetadataObjectCreate

The **MetadataObjectCreate** operation creates a **MetadataObject** in the metadata store. If the specified **MetadataObject** is a **MetadataCatalog** and another **MetadataCatalog** with the same partition (1) as the specified **MetadataCatalog** already exists, this operation **MUST NOT** change the state of the data in the metadata store [<105>](#).

```
<wsdl:operation name="MetadataObjectCreate" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreate"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateResponse"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentOutOfRangeException_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_MetadataObjectCreate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_MetadataObjectCreate\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the **MetadataExceptionState** error if the MetadataObject specified in rawValues element is an Association with the methodInstanceType not set to the following values:

- AssociationNavigator
- Associator
- Disassociator
- BulkAssociationNavigator
- BulkAssociatedIdEnumerator

This operation raises the **ArgumentNullException** error, from namespace <http://schemas.datacontract.org/2004/07/System>, under the following conditions:

- The **parentStruct** element is not set to the structure that is expected by this operation.
- The **parentStruct** element is set to null.
- The **rawValues** element specifies an **association** and any one of the elements **destinationEntityName**, **destinationEntityNamespace**, **sourceEntityNames** and **sourceEntityNamespaces** in the **Association** is null or not present in the request.

This operation raises an [AccessDeniedExceptionState](#) error, from namespace <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>, under the following conditions:

- The **rawValues** element specifies a LobSystem, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **MetadataCatalog** specified by the **parentStruct** element.
- The **rawValues** element specifies a LobSystemInstance, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **LobSystem** specified by the **parentStruct** element.
- The **rawValues** element specifies an Identifier, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **rawValues** element specifies an Action, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **rawValues** element specifies an ActionParameter, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** that contains the **Action** specified by the **parentStruct** element.



- The **rawValues** element specifies a **Method**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **rawValues** element specifies an AssociationGroup, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **rawValues** element specifies a MethodInstance, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.
- The **rawValues** element specifies a Parameter, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.
- The **rawValues** element specifies a FilterDescriptor, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.
- The **rawValues** element specifies an Association, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** that contains the **Method** specified by the **parentStruct** element.

This operation raises the [ArgumentException](#) error, from namespace <http://schemas.datacontract.org/2004/07/System>, under the following conditions:

- The **rawValues** element specifies a **MetadataObject** with invalid attributes.
- The **rawValues** element specifies a **MethodInstance** that specifies a **ReturnTypeDescriptor** that is not contained by any parameters that are contained by the method specified by the **parentStruct** element.
- The **rawValues** element specifies an **Identifier** with the **typeName** element set to null or empty.
- The **rawValues** element specifies a **MethodInstance** that specifies a **ReturnTypeDescriptor** that is contained by a parameter with the **Direction** attribute set to "In".
- The **rawValues** element specifies a **MethodInstance** that does not specify a **ReturnTypeDescriptor**, and the type of the specified **MethodInstance** is one of the following values:
  - AccessChecker
  - AssociationNavigator
  - BulkAssociatedIdEnumerator
  - BulkAssociationNavigator
  - BulkIdEnumerator
  - BulkSpecificFinder
  - ChangedIdEnumerator
  - DeletedIdEnumerator

- Finder
- IdEnumerator
- Scalar
- SpecificFinder
- StreamAccessor
- The **rawValues** element specifies a **MethodInstance** that has a **ReturnPropertyDescriptor** without the **IsCollection** value set in the **flags** element, and the type of the specified **MethodInstance** is one of the following values:
  - BulkAssociationNavigator
  - BulkIdEnumerator
  - BulkSpecificFinder
  - ChangedIdEnumerator
  - DeletedIdEnumerator
  - Finder
  - IdEnumerator
- The **rawValues** element specifies a **MethodInstance** that has a **ReturnPropertyDescriptor** with the **IsCollection** value set in the **flags** element, and the type of the specified **MethodInstance** is one of the following values:
  - AccessChecker
  - Creator
  - Scalar
  - SpecificFinder
  - StreamAccessor
- The **rawValues** element specifies a **MethodInstance** that has a **ReturnPropertyDescriptor** with the **None** value set in the **flags** element, and the type of the specified **MethodInstance** is "StreamAccessor".
- The **rawValues** element specifies a **MethodInstance** that has a **ReturnPropertyDescriptor** that contains other TypeDescriptors, and the specified **MethodInstance** is a StreamAccessor.
- The **rawValues** element specifies a **MethodInstance** and the **TypeDescriptor** that contains the **ReturnPropertyDescriptor** of the **MethodInstance** also contains other **TypeDescriptors**, and the LobSystem that contains the DataClass that contains the **Method** that contains the **MethodInstance** does not allow this configuration, and the specified **MethodInstance** is a **StreamAccessor**.
- The **rawValues** element specifies a **MethodInstance**, the **Method** specified by the **parentStruct** element does not contain a TimeStampFilter, and the type of the specified **MethodInstance** is one of the following values:

- ChangedIdEnumerator
- DeletedIdEnumerator
- The **rawValues** element specifies a **MethodInstance** that requires an input, but the **Method** specified by **parentStruct** does not contain any parameters with the **Direction** attribute set to "In" or "InOut".
- The **rawValues** element specifies a **FilterDescriptor** of type **TimeStampFilter**, but the **Method** specified by the **parentStruct** already contains a **TimeStampFilter**.
- The **rawValues** element specifies a parameter with the **Direction** attribute set to "Return", but the **Method** specified by **parentStruct** already contains a parameter with the **Direction** attribute set to "Return".
- The **rawValues** element specifies an **Association** and the same **Entity** is specified as a source of the **Association** more than once.
- The **rawValues** element specifies an **Action** with the **position** element set to 0.

This operation raises the **BdcExceptionState** error under the following conditions:

- The **MetadataObject** specified in the **rawValues** element is an **Entity** or a **TypeDescriptor**.
- The **MetadataObject** specified in the **rawValues** element is an **Association**, but the **parentStruct** is not a **Method**.
- The **parentStruct** element is a **MetadataCatalog** that contains an **AccessControlEntry**, and the **principalName** of the **AccessControlEntry** specifies a nonexistent user name or domain group.

This operation raises the [DuplicateMetadataObjectExceptionState error](#), from namespace Microsoft.SharePoint.BusinessData, under the following conditions:

- The **rawValues** element specifies an **LobSystem**, but an **LobSystem** with the same name already exists in the metadata store.
- The **rawValues** element specifies a **MethodInstance**, but the **DataClass** that contains the **Method** specified by the **parentStruct** element already contains a **MethodInstance** with the same name as the specified **MethodInstance**.
- The **rawValues** element specifies an **Association**, but the **DataClass** that contains the **Method** specified by the **parentStruct** element already contains a **Method** that contains an **Association** with the same name as the specified **Association**.
- The **MetadataObject** specified by the **parentStruct** element already contains a **MetadataObject** that has same name and type as the **MetadataObject** specified by the **rawValues** element.

This operation raises the [ExceededMetadataObjectLimitExceptionState error, from namespace Microsoft.SharePoint.BusinessData](#) under the following conditions:

- The **MetadataObject** specified by the **parentStruct** element already contains the implementation-specific maximum number of **MetadataObjects** that have the same type as the **MetadataObject** specified by the **rawValues** element.
- The **rawValues** element specifies a **MethodInstance** of type IdEnumerator, AccessChecker, Deleter, ChangedIdEnumerator, DeletedIdEnumerator, or BulkIdEnumerator, but the **DataClass**

that contains the **Method** specified by the **parentStruct** element already has a **MethodInstance** of the same type.

This operation raises the [MetadataObjectNotFoundExceptionState error, from namespace Microsoft.SharePoint.BusinessData](#), under the following conditions:

- The **MetadataObject** specified by the **parentStruct** element does not exist in the metadata store.
- The **rawValues** element specifies a **MetadataObject** other than **Association** that references another **MetadataObject** that does not exist in the metadata store.
- The **rawValues** element specifies an **Association** for which the specified **sourceEntityNames** and **sourceEntityNamespaces** each contain only one empty string element.

If the **rawValues** element specifies any of the **MetadataObjects** in the following table, the protocol server **MUST** perform the corresponding actions in addition to creating the **MetadataObject** in the metadata store.

MetadataObject	Action
Identifier	Set the <b>OrdinalNumber</b> attribute of the created <b>Identifier</b> to 1 plus the maximum value of the <b>OrdinalNumber</b> attributes of all the <b>Identifiers</b> contained by the <b>Entity</b> specified by the <b>parentStruct</b> element.
Parameter	Set the <b>OrdinalNumber</b> attribute of the created <b>Parameter</b> to 1 plus the maximum value of <b>OrdinalNumber</b> attributes of all the <b>Parameters</b> contained by the <b>Method</b> specified by the <b>parentStruct</b> element.
MethodInstance	Set the <b>IsDefault</b> attributes of all other <b>MethodInstances</b> of type equal to the type of the created <b>MethodInstance</b> in the <b>DataClass</b> that contains the <b>Method</b> specified by the <b>parentStruct</b> element to "false" if the <b>IsDefault</b> attribute is set to "true" for the created <b>MethodInstance</b> . If the <b>IsDefault</b> attribute is set to "false" for the created <b>MethodInstance</b> and the <b>DataClass</b> that contains the <b>Method</b> specified by the <b>parentStruct</b> element does not contain any other <b>MethodInstance</b> that has the type equal to the type of the created <b>MethodInstance</b> , the protocol server <b>MUST</b> set the <b>IsDefault</b> attribute of the created <b>MethodInstance</b> to "true".
MethodInstance	Copy the ACEs from the <b>Entity</b> that contains the <b>Method</b> specified by the <b>parentStruct</b> to the created <b>MethodInstance</b> .
LobSystem	Copy the ACEs from the <b>MetadataCatalog</b> specified by the <b>parentStruct</b> to the created <b>LobSystem</b> .
Model	Copy the ACEs from the <b>MetadataCatalog</b> specified by the <b>parentStruct</b> to the created <b>Model</b> .
Method	Copy the ACEs from the <b>Entity</b> specified by the <b>parentStruct</b> to the created <b>Method</b> .

### 3.1.4.95.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage	The request WSDL message

Message	Description
	for the <b>MetadataObjectCreate</b> WSDL operation.
BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage	The response WSDL message for the <b>MetadataObjectCreate</b> WSDL operation.

### 3.1.4.95.1.1

#### BusinessDataCatalogSharedService\_MetadataObjectCreate\_InputMessage

The request WSDL message for the **MetadataObjectCreate** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectCreate
```

The SOAP body contains the **MetadataObjectCreate** element.

### 3.1.4.95.1.2

#### BusinessDataCatalogSharedService\_MetadataObjectCreate\_OutputMessage

The response WSDL message for the **MetadataObjectCreate** WSDL operation.

The SOAP body contains the **MetadataObjectCreateResponse** element.

### 3.1.4.95.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
MetadataObjectCreate	The input data for the <b>MetadataObjectCreate</b> WSDL operation.
MetadataObjectCreateResponse	The result data for the <b>MetadataObjectCreate</b> WSDL operation.

#### 3.1.4.95.2.1 MetadataObjectCreate

The input data for the **MetadataObjectCreate** WSDL operation.

```
<xs:element name="MetadataObjectCreate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="rawValues" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**rawValues:** Specifies the **MetadataObject** to create. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client. The protocol client MUST specify values for all the elements in this complex type.

**parentStruct:** Specifies the **MetadataObject** in which to create the new **MetadataObject**. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

### 3.1.4.95.2.2 MetadataObjectCreateResponse

The result data for the **MetadataObjectCreate** WSDL operation.

```
<xs:element name="MetadataObjectCreateResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="MetadataObjectCreateResult" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**MetadataObjectCreateResult:** The created **MetadataObject**. If the **MetadataObject** specified in the request is a **MetadataCatalog** and a **MetadataCatalog** with the same partition (1) as the specified **MetadataCatalog** already exists in the metadata store, this operation MUST return the existing **MetadataCatalog** [<106>](#).

### 3.1.4.95.3 Complex Types

None.

### 3.1.4.95.4 Simple Types

None.

### 3.1.4.95.5 Attributes

None.

### 3.1.4.95.6 Groups

None.

### 3.1.4.95.7 Attribute Groups

None.

### 3.1.4.96 MetadataObjectMergeXml

The **MetadataObjectMergeXml** operation merges the **Properties**, localized names, and ACES contained by the specified **MetadataModel** into the existing **MetadataObjects** in the metadata store. The **MetadataModel** MUST be specified as a Well-Formed External Parsed Entity according to [\[XML\]](#) section 4.3.2 and MUST have one of the following elements as the root element:

- An Action element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.27.
- An ActionParameter element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.29.
- An Association element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.30.
- An AssociationGroup element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.13.
- An Entity element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.11.
- A FilterDescriptor element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.19.
- An Identifier element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.15.
- A LobSystem element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.7.
- A LobSystemInstance element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.9.
- A Method element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.17.
- A MethodInstance element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.21.
- A Model element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.1.
- A Parameter element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.23.

```

<wsdl:operation name="MetadataObjectMergeXml"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXml"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>

```

```

    <wsdl:fault
      wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlPackageFormatExceptionStateFault"
      name="PackageFormatExceptionStateFault"
      message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
      wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlArgumentNullExceptionFault"
      name="ArgumentNullExceptionFault"
      message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
      wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXmlArgumentOutOfRangeExceptionFault"
      name="ArgumentOutOfRangeExceptionFault"
      message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  </wsdl:operation>

```

The protocol client sends a

**BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) under the following conditions:

- The "Properties" value is specified in the **packageContents** element, the specified **MetadataModel** contains properties for a **MetadataObject**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify that **MetadataObject**.
- The "LocalizedNames" value is specified in the **packageContents** element, the specified **MetadataModel** contains localized names for a **MetadataObject**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify that **MetadataObject**.
- The "Permissions" value is specified in the **packageContents** element, the specified **MetadataModel** contains ACEs for a **MetadataObject**, and the security principal (1) in whose context the protocol client is operating is not authorized to set permissions for that **MetadataObject**.

This operation raises the [BdcExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error under the following conditions:

- The **mergedStruct** element specifies a **TypeDescriptor**.
- The specified **MetadataModel** does not conform to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.2.



This operation raises the [ExceededMetadataObjectLimitExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the specified **MetadataModel** contains one or more **MetadataObjects** that already contain the implementation-specific maximum number of **Properties** and the **packageContents** element has "Properties" as its value.

This operation raises the [InvalidOperationException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System) error under the following conditions:

- The specified **MetadataModel** contains one or more **MetadataObjects** that already contain the implementation-specific maximum number of localized names, and the **packageContents** element has "LocalizedNames" as its value.
- The specified **MetadataModel** contains one or more **MetadataObjects** that does not contain an ACE that specifies "SetPermissions" permission, the **packageContents** element has "Permissions" as its value, and the specified **MetadataObject** is one of the following:
  - Association
  - Entity
  - LobSystem
  - Method
  - MethodInstance
  - Model

This operation raises the [PackageFormatExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under the following conditions:

- One or more **MetadataObjects** specified by the **MetadataModel** do not exist in the metadata store.

The **packageContents** element is set to "Model".

### 3.1.4.96.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage	The request WSDL message for the <b>MetadataObjectMergeXml</b> WSDL operation.
BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage	The response WSDL message for the <b>MetadataObjectMergeXml</b> WSDL operation.

#### 3.1.4.96.1.1

### BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_InputMessage

The request WSDL message for the **MetadataObjectMergeXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectMergeXml
```

The SOAP body contains the **MetadataObjectMergeXml** element.

### 3.1.4.96.1.2

#### **BusinessDataCatalogSharedService\_MetadataObjectMergeXml\_OutputMessage**

The response WSDL message for the **MetadataObjectMergeXml** WSDL operation.

The SOAP body contains the **MetadataObjectMergeXmlResponse** element.

### 3.1.4.96.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
MetadataObjectMergeXml	The input data for the <b>MetadataObjectMergeXml</b> WSDL operation.
MetadataObjectMergeXmlResponse	The result data for the <b>MetadataObjectMergeXml</b> WSDL operation.

#### 3.1.4.96.2.1 MetadataObjectMergeXml

The input data for the **MetadataObjectMergeXml** WSDL operation.

```
<xs:element name="MetadataObjectMergeXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="mergedStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies the parts of the **MetadataModel** to be merged into the existing **MetadataObjects**. The protocol server MUST use the following rules:

- If the "Properties" value is specified, the protocol server MUST merge the **Properties** for the corresponding **MetadataObjects** for the specified Setting. During this merge, if a **Property** that has the same name as the **Property** specified by the **MetadataModel** already exists for the

specified **MetadataObject**, the protocol server MUST remove the existing **Property** and create a new **Property** that corresponds to the **Property** specified in the **MetadataModel**. If a **Property** with the specified name does not exist for the specified **MetadataObject**, the protocol server MUST create a new **Property** that corresponds to the **Property** specified in the **MetadataModel**.

- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST merge the localized names for the corresponding **MetadataObjects** for the specified **Setting**. During this merge, if a localized name that has the same LCID and **Setting** as the localized name specified by the **MetadataModel** already exists for the specified **MetadataObject**, the protocol server MUST remove the existing localized name and create a new localized name that corresponds to the localized name specified in the **MetadataModel**. If a localized name with the specified LCID and **Setting** does not exist for the specified **MetadataObject**, the protocol server MUST create a new localized name that corresponds to the localized name specified in the **MetadataModel**.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified and the **MetadataModel** specifies ACEs for a **MetadataObject** for the specified **Setting**, the protocol server MUST remove any existing ACEs for the specified **MetadataObject** for the specified **Setting**, and create new ACEs that correspond to the ACEs specified in the **MetadataModel** for the specified **Setting**.
- If the "Permissions" value is not specified, the protocol server MUST ignore ACEs in the specified **MetadataModel**.

**parentStruct:** The parent **MetadataObject** of the **MetadataObject** specified by the **MetadataModel**. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**mergedStruct:** The **MetadataObject** into which to merge the **Properties**, localized names, and ACEs. The attributes of the specified **MetadataObject** MUST be ignored by the protocol server. The type of this element MUST be the complex type corresponding to the root element of the specified XML in the following table.

Root element name	Complex type
<b>Action</b>	<a href="#">ActionStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>ActionParameter</b>	<a href="#">ActionParameterStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Association</b>	<a href="#">AssociationStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>AssociationGroup</b>	<a href="#">AssociationGroupStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Entity</b>	<a href="#">EntityStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>FilterDescriptor</b>	<a href="#">FilterDescriptorStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Identifier</b>	<a href="#">IdentifierStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>LobSystem</b>	<a href="#">LobSystemStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>LobSystemInstance</b>	<a href="#">LobSystemInstanceStruct (from namespace Microsoft.SharePoint.BusinessData)</a>

Root element name	Complex type
<b>Method</b>	<a href="#">MethodStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>MethodInstance</b>	<a href="#">MethodInstanceStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Model</b>	<a href="#">ModelStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Parameter</b>	<a href="#">ParameterStruct (from namespace Microsoft.SharePoint.BusinessData)</a>

**settingId:** The **Setting** to merge the **Properties**, localized names and ACEs. If this value is NULL, the protocol server MUST use the default **Setting** when performing the operation.

**callerCultureLcid:** Specifies the LCID corresponding to the locale in which the error messages are to be returned for. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

### 3.1.4.96.2.2 MetadataObjectMergeXmlResponse

The result data for the **MetadataObjectMergeXml** WSDL operation.

```
<xs:element name="MetadataObjectMergeXmlResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfString"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="mergedStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**errors:** List of implementation-specific error messages that occurred while performing this operation.

**mergedStruct:** The MetadataObject into which the **Properties**, localized names, and ACEs were merged. The partition (1) of this MetadataObject MUST be the partition (1) of the protocol client.

### 3.1.4.96.3 Complex Types

None.

### 3.1.4.96.4 Simple Types

None.

### 3.1.4.96.5 Attributes

None.

### 3.1.4.96.6 Groups

None.

### 3.1.4.96.7 Attribute Groups

None.

### 3.1.4.97 MetadataObjectReadXml

The **MetadataObjectReadXml** operation creates MetadataObjects in the metadata store, optionally along with their **Properties**, localized names, and ACEs contained by the specified MetadataModel<107>. This operation creates **Properties**, localized names, and ACEs for the default Setting. The operation also creates a default localized name for the specified **MetadataModel**, such that the **value** element, as specified in section 2.2.4.41, contains the name of the root element of the specified **MetadataModel**. If the same **MetadataObject** exists on the server, the **MetadataObjectReadXml** operation will ignore the **MetadataObject** specified in the XML representing the **MetadataModel** when the **MetadataObject** contains no properties. The **MetadataModel** MUST be specified as a Well-Formed External Parsed Entity according to [XML] section 4.3.2 and MUST have one of the following elements as the root element:

- An Action element, as specified in [MS-BDCMFFS] section 2.1.4.34.
- An ActionParameter element, as specified in [MS-BDCMFFS] section 2.1.4.36.
- An Association element, as specified in [MS-BDCMFFS] section 2.1.4.37.
- An AssociationGroup element, as specified in [MS-BDCMFFS] section 2.1.4.13.
- An Entity element, as specified in [MS-BDCMFFS] section 2.1.4.11.
- An Identifier element, as specified in [MS-BDCMFFS] section 2.1.4.16.
- A FilterDescriptor element, as specified in [MS-BDCMFFS] section 2.1.4.20.
- A LobSystem element, as specified in [MS-BDCMFFS] section 2.1.4.7.
- A LobSystemInstance element, as specified in [MS-BDCMFFS] section 2.1.4.9.
- A Method element, as specified in [MS-BDCMFFS] section 2.1.4.18.
- A MethodInstance element, as specified in [MS-BDCMFFS] section 2.1.4.22.
- A Parameter element, as specified in [MS-BDCMFFS] section 2.1.4.24.

```
<wsdl:operation name="MetadataObjectReadXml"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXml"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_BdcExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_MetadataObjectReadXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_MetadataObjectReadXml\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the **MetadataException**(from namespace Microsoft.BusinessData.SharePoint) under the following conditions:

- The specified **MetadataModel** contains an **Association**, and the Method for which this **Association** is being created does not have a **Parameter** whose **Direction** is "In" or "InOut" and the type of the this **Association** is one of the following:
  - AssociationNavigator
  - Associator

- Disassociator

This operation raises the [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) under the following conditions:

- The **xml** element specifies a **LobSystem**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the MetadataCatalog specified by the **parentStruct** element.
- The **xml** element specifies a **LobSystemInstance**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **LobSystem** specified by the **parentStruct** element.
- The **xml** element specifies an **Entity**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **LobSystem** specified by the **parentStruct** element.
- The **xml** element specifies an **Identifier**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **xml** element specifies an **Action**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **xml** element specifies an **ActionParameter**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** that contains the **Action** specified by the **parentStruct** element.
- The **xml** element specifies a **Method**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **xml** element specifies an **AssociationGroup**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Entity** specified by the **parentStruct** element.
- The **xml** element specifies a **MethodInstance**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.
- The **xml** element specifies a **Parameter**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.
- The **xml** element specifies a **FilterDescriptor**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.
- The **xml** element specifies an **Association**, and the security principal (1) in whose context the protocol client is operating is not authorized to modify the **Method** specified by the **parentStruct** element.

This operation raises the [BdcExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error if the specified **MetadataModel** represents a Model or a **TypeDescriptor**.

This operation raises the [DuplicateMetadataObjectExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the specified **MetadataModel** represents a **LobSystem**, but a **LobSystem** with the same name and different **SystemType** value already exists in the metadata store.

This operation raises the [ExceededMetadataObjectLimitExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the specified **MetadataModel** contains a **MetadataObject** that contains more objects of a type than the implementation-specific maximum number of that type of objects. **MetadataObjects**, **Properties**, localized names<108> and ACEs are the types of objects where an implementation-specific maximum number limit can be enforced by the protocol server. For example, this condition is met when an **Entity** contains more **Methods** than the implementation-specific maximum number of **Methods** allowed per **Entity**.

This operation raises the [InvalidOperationException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System) error under the following conditions:

- The specified **MetadataModel** contains one or more **MetadataObjects** that contain an ACE that specifies **anonymous user** to have permissions other than "Execute", the **packageContents** element has "Permissions" as its value, and the specified **MetadataObject** is one of the following:
  - Association
  - Entity
  - LobSystem
  - Method
  - MethodInstance
- The specified **MetadataModel** contains one or more **MetadataObjects** that do not contain an ACE that is set to "SetPermissions", the **packageContents** element has "Permissions" as its value, and the specified **MetadataObject** is one of the following:
  - Association
  - Entity
  - LobSystem
  - Method
  - MethodInstance

This operation raises the [MetadataObjectNotFoundExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the creation of the **MetadataObjects** in the specified **MetadataModel** cannot be finished because the parent **MetadataObjects** of the **MetadataObject** to be created cannot be found in the metadata store.

This operation raises the [PackageFormatExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under the following conditions:

- The specified **MetadataModel** does not conform to the format specified in [MS-BDCMFFS].
- One or more **Entities** in the specified **MetadataModel** already exist in a different **LobSystem**.



- The protocol server cannot find the **Parameter** that contains the **ReturnPropertyDescriptor** associated with one of the **MethodInstances** contained by the specified **MetadataModel**.
- One or more of the **TypeDescriptors** specified in the **MetadataModel** have **DefaultValues**, but the **Method** that contains the **Parameter** that contains these **TypeDescriptors** does not contain the **MethodInstance** specified by **DefaultValues**.
- The "Model" value is not specified in the **packageContents** element.
- The "InlineProxies" value is specified in the **packageContents**, and the specified **MetadataModel** contains a **LobSystem** with an associated Business Logic Module.
- The specified **MetadataModel** contains a **Method** that contains more than one **FilterDescriptor** of type **TimeStampFilter**.
- The specified **MetadataModel** contains a **Method** that contains more than one **Parameter** with the **Direction** attribute set to "Return".
- The specified **MetadataModel** contains an **Association** which references the same **Entity** more than once as a source of the **Association**.
- The specified **MetadataModel** contains a **StreamAccessor** that specifies a **ReturnPropertyDescriptor** that contains other **TypeDescriptors**.
- The specified **MetadataModel** contains a **StreamAccessor** and the **TypeDescriptor** containing the **ReturnPropertyDescriptor** of this **MethodInstance** contains another **TypeDescriptor** under its parent **TypeDescriptor**, and the **LobSystem** containing the **Entity** which contains this **StreamAccessor** has its type specified as "Database".
- The specified **MetadataModel** contains a **MethodInstance**, and the **Method** for which this **MethodInstance** is being created does not have a **Parameter** whose **Direction** is "In" or "InOut" and the type of this **MethodInstance** is one of the following values:
  - AccessChecker
  - AssociationNavigator
  - Associator
  - BinarySecurityDescriptorAccessor
  - BulkAssociatedIdEnumerator
  - BulkAssociationNavigator
  - BulkIdEnumerator
  - BulkSpecificFinder
  - ChangedIdEnumerator
  - DeletedIdEnumerator
  - Deleter
  - Disassociator
  - SpecificFinder

- Updater
- StreamAccessor
- The specified **MetadataModel** contains a **MethodInstance**, the **Method** containing this **MethodInstance** does not contain a **TimeStampFilter**, and the type of this **MethodInstance** is one of the following values:
  - ChangedIdEnumerator
  - DeletedIdEnumerator
- The **MetadataObject** specified in the input XML contains the same properties as the existing **MetadataObject** on server.

### 3.1.4.97.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage	The request WSDL message for the <b>MetadataObjectReadXml</b> WSDL operation.
BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage	The response WSDL message for the <b>MetadataObjectReadXml</b> WSDL operation.

#### 3.1.4.97.1.1

#### **BusinessDataCatalogSharedService\_MetadataObjectReadXml\_InputMessage**

The request WSDL message for the **MetadataObjectReadXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectReadXml
```

The SOAP body contains the **MetadataObjectReadXml** element.

#### 3.1.4.97.1.2

#### **BusinessDataCatalogSharedService\_MetadataObjectReadXml\_OutputMessage**

The response WSDL message for the **MetadataObjectReadXml** WSDL operation.

The SOAP body contains the **MetadataObjectReadXmlResponse** element.

### 3.1.4.97.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
MetadataObjectReadXml	The input data for the <b>MetadataObjectReadXml</b> WSDL operation.
MetadataObjectReadXmlResponse	The result data for the <b>MetadataObjectReadXml</b> WSDL operation.

### 3.1.4.97.2.1 MetadataObjectReadXml

The input data for the **MetadataObjectReadXml** WSDL operation.

```
<xs:element name="MetadataObjectReadXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** are to be created. The protocol server MUST follow the following rules:

- If the "Properties" value is specified the protocol server MUST create the specified **Properties** for the corresponding **MetadataObjects**.
- If the "Properties" value is not specified the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**.
- If the "LocalizedNames" value is not specified the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified the protocol server MUST create the specified ACEs for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified the protocol server MUST ignore ACEs in the specified **MetadataModel**.

**parentStruct:** Specifies the **MetadataObject** in which to create the new **MetadataObject**. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**readStruct:** The **MetadataObject** that corresponds to the root element of the specified **MetadataModel**. The attributes of the specified **MetadataObject** MUST be ignored by the protocol server. The type of this element MUST be the complex type corresponding to the root element of the specified XML in the following table.

Root element name	Complex type
<b>Action</b>	<a href="#">ActionStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>ActionParameter</b>	<a href="#">ActionParameterStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Association</b>	<a href="#">AssociationStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>AssociationGroup</b>	<a href="#">AssociationGroupStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Entity</b>	<a href="#">EntityStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>FilterDescriptor</b>	<a href="#">FilterDescriptorStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Identifier</b>	<a href="#">IdentifierStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>LobSystem</b>	<a href="#">LobSystemStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>LobSystemInstance</b>	<a href="#">LobSystemInstanceStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Method</b>	<a href="#">MethodStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>MethodInstance</b>	<a href="#">MethodInstanceStruct (from namespace Microsoft.SharePoint.BusinessData)</a>
<b>Parameter</b>	<a href="#">ParameterStruct (from namespace Microsoft.SharePoint.BusinessData)</a>

**callerCultureLcid:** Specifies the LCID corresponding to the locale for which the error messages are to be returned. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, the protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

### 3.1.4.97.2.2 MetadataObjectReadXmlResponse

The result data for the **MetadataObjectReadXml** WSDL operation.

```
<xs:element name="MetadataObjectReadXmlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfString"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**errors:** List of implementation-specific error messages that occurred while performing this operation.

**readStruct:** The MetadataObject that specifies the created **MetadataObject**. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

### 3.1.4.97.3 Complex Types

None.

#### 3.1.4.97.4 Simple Types

None.

#### 3.1.4.97.5 Attributes

None.

#### 3.1.4.97.6 Groups

None.

#### 3.1.4.97.7 Attribute Groups

None.

#### 3.1.4.98 MetadataObjectWriteXml

The **MetadataObjectWriteXml** operation is used to retrieve an XML representation of the following objects from the metadata store:

- MetadataObjects contained by the MetadataModel along with their **Properties**, localized names and ACEs, if "Model" value is specified for the **packageContents** element. The XML MUST conform to [\[MS-BDCMFFS\]](#) section 2.1.
- Localized names, **Properties**, and ACEs corresponding to **MetadataObjects** contained by the **MetadataModel**, if "Model" value is not specified for the **packageContents** element. The XML MUST conform to [\[MS-BDCMFFS\]](#) section 2.2.

The **MetadataModel** used for this operation MUST contain the specified **MetadataObject**, and other **MetadataObjects** that are contained by the **MetadataModel**; it MUST NOT contain any other **MetadataObjects**.

If the **CameThroughRemoteAdminService** header specified in section [3.1](#) is present in the SOAP request, and if the specified **MetadataModel** contains LobSystems that the security principal (1) in whose context the protocol client is operating is not authorized to modify, the XML representation returned by this operation MUST NOT contain those **LobSystems**, and MUST NOT contain other **MetadataObjects** contained by **MetadataObjects** that are not contained in the result for this reason.

```
<wsdl:operation name="MetadataObjectWriteXml" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXml"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_MetadataExceptionStateFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_BdcExceptionStateFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InvalidOperationException
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentOutOfRangeException
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_PackageFormatExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentNullExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error under the following conditions:

- The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified **MetadataObject**, the **MetadataObject** is a **LobSystem** or a **LobSystemInstance**, and the **CameThroughRemoteAdminService** header specified in section 3.1 is present in the SOAP request.
- The security principal (1) in whose context the protocol client is operating is not authorized to modify the specified **MetadataObject**, the **Permissions** flag is set in **packageContents**, and the **CameThroughRemoteAdminService** header specified in section 3.1 is present in the SOAP request.

This operation raises the [ArgumentException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System.ArgumentException) error if the **packageContents** element specifies an "InlineProxies" value but does not specify the "Model" value.

### 3.1.4.98.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage	The request WSDL message for the <b>MetadataObjectWriteXml</b> WSDL operation.
BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage	The response WSDL message for the <b>MetadataObjectWriteXml</b> WSDL operation.

#### 3.1.4.98.1.1

#### **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_InputMessage**

The request WSDL message for the **MetadataObjectWriteXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/MetadataObjectWriteXml
```

The SOAP body contains the **MetadataObjectWriteXml** element.

#### 3.1.4.98.1.2

#### **BusinessDataCatalogSharedService\_MetadataObjectWriteXml\_OutputMessage**

The response WSDL message for the **MetadataObjectWriteXml** WSDL operation.

The SOAP body contains the **MetadataObjectWriteXmlResponse** element.

### 3.1.4.98.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
MetadataObjectWriteXml	The input data for the <b>MetadataObjectWriteXml</b> WSDL operation.
MetadataObjectWriteXmlResponse	The result data for the <b>MetadataObjectWriteXml</b> WSDL operation.

#### 3.1.4.98.2.1 MetadataObjectWriteXml

The input data for the **MetadataObjectWriteXml** WSDL operation.

```

<xs:element name="MetadataObjectWriteXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

**metadataObjectStruct:** The MetadataObject to be retrieved. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**packageContents:** Specifies the kind of data to retrieve for the specified **MetadataObject**. The protocol server MUST use the following rules:

- If the "Properties" value is specified, the protocol server MUST retrieve the **Properties** for the corresponding **MetadataObjects** from the specified **Setting** and if the "Model" value is also specified, the protocol server MUST also retrieve the **Properties** from the default **Setting** that do not have the same name as the **Properties** in the specified **Setting**.
- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST retrieve the localized names for the corresponding **MetadataObjects** from the specified **Setting** and if the "Model" value is also specified, the protocol server MUST also retrieve localized names from the default **Setting** that do not have the same LCID as the localized names in the specified **Setting**.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.
- If the "Permissions" value is specified, the protocol server MUST retrieve the ACEs for the corresponding **MetadataObjects** from the specified **Setting**. If there are no ACEs for the specified **Setting** for a **MetadataObject**, and the "Model" value is also specified, the protocol server MUST retrieve ACEs from the default **Setting** for that **MetadataObject**.
- If the "Permissions" value is not specified, the protocol server MUST ignore ACEs in the specified **MetadataModel**.
- If the "InlineProxies" value is not specified, the protocol server MUST ignore Business Logic Modules in the specified **MetadataModel**.

**settingId:** The **Setting** for which **Properties**, localized names, and ACEs are to be retrieved. If **Properties**, localized names, and ACEs are not retrieved, the protocol server MUST ignore the value of this element.

### 3.1.4.98.2.2 MetadataObjectWriteXmlResponse

The result data for the **MetadataObjectWriteXml** WSDL operation.

```

<xs:element name="MetadataObjectWriteXmlResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>

```



```

<xs:sequence>
  <xs:element minOccurs="0" name="MetadataObjectWriteXmlResult" nillable="true"
type="xs:string"/>
</xs:sequence>
</xs:complexType>
</xs:element>

```

**MetadataObjectWriteXmlResult:** The XML that represents the MetadataObject represented by the specified **metadataObjectStruct**. The XML MUST be a Well-Formed External Parsed Entity according to [XML]. The schema of the root element of the XML fragment corresponding to the specified **metadataObjectStruct** MUST be as specified in the following table.

Complex type	Root element
<a href="#">ActionParameterStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the ActionParameter element as specified in [MS-BDCMFFS] section 2.1.4.36. Otherwise, the <b>ActionParameter</b> element as specified in [MS-BDCMFFS] section 2.2.4.29.
<a href="#">ActionStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the Action element is as specified in [MS-BDCMFFS] section 2.1.4.34. Otherwise, the <b>Action</b> element is as specified in [MS-BDCMFFS] section 2.2.4.27.
<a href="#">AssociationGroupStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the AssociationGroup element is as specified in [MS-BDCMFFS] section 2.1.4.13. Otherwise, the <b>AssociationGroup</b> element is as specified in [MS-BDCMFFS] section 2.2.4.13.
<a href="#">AssociationStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the Association element is as specified in [MS-BDCMFFS] section 2.1.4.37. Otherwise, the <b>Association</b> element is as specified in [MS-BDCMFFS] section 2.2.4.30.
<a href="#">EntityStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the Entity element is as specified in [MS-BDCMFFS] section 2.1.4.11. Otherwise, the <b>Entity</b> element is as specified in [MS-BDCMFFS] section 2.2.4.11.
<a href="#">FilterDescriptorStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the FilterDescriptor element is as specified in [MS-BDCMFFS] section 2.1.4.20. Otherwise, the <b>FilterDescriptor</b> element is as specified in [MS-BDCMFFS] section 2.2.4.19.
<a href="#">IdentifierStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the <b>packageContents</b> element is set to "Model", the Identifier element is as specified in [MS-BDCMFFS] section 2.1.4.16. Otherwise, the <b>Identifier</b> element is as specified in [MS-BDCMFFS] section 2.2.4.15.
<a href="#">LobSystemStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the "Model" value of <b>packageContents</b> is specified, the LobSystem element is as specified in [MS-BDCMFFS] section 2.1.4.7. Otherwise, the <b>LobSystem</b> element is as specified in [MS-BDCMFFS] section 2.2.4.7.
<a href="#">LobSystemInstanceStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the "Model" value of <b>packageContents</b> is specified, the LobSystemInstance element is as specified in [MS-BDCMFFS] section 2.1.4.9. Otherwise, the <b>LobSystemInstance</b> element is as specified in [MS-BDCMFFS] section 2.2.4.9.

Complex type	Root element
<a href="#">MethodStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the "Model" value of <b>packageContents</b> is specified, the Method element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.18. Otherwise, the <b>Method</b> element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.17.
<a href="#">MethodInstanceStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the "Model" value of <b>packageContents</b> is specified, the MethodInstance element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.22. Otherwise, the <b>MethodInstance</b> element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.21.
<a href="#">ModelStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the "Model" value of <b>packageContents</b> is specified, the Model element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.1. Otherwise, the <b>Model</b> element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.1.
<a href="#">ParameterStruct (from namespace Microsoft.SharePoint.BusinessData)</a>	If the "Model" value of <b>packageContents</b> is specified, the Parameter element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.1.4.24. Otherwise, the <b>Parameter</b> element is as specified in <a href="#">[MS-BDCMFFS]</a> section 2.2.4.23.

### 3.1.4.98.3 Complex Types

None.

### 3.1.4.98.4 Simple Types

None.

### 3.1.4.98.5 Attributes

None.

### 3.1.4.98.6 Groups

None.

### 3.1.4.98.7 Attribute Groups

None.

### 3.1.4.99 ModelReadXml

The **ModelReadXml** operation creates the MetadataObjects contained by the specified MetadataModel in the metadata store. The **Properties**, localized names, and ACEs of the **MetadataObjects** are also created. The **MetadataModel** MUST be specified as XML that conforms to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#) section 2.1.4.1. If the **MetadataModel** contains a LobSystem that has the same name and type as a **LobSystem** in the metadata store, the **LobSystem** in the **MetadataModel** MUST be ignored by the protocol server, along with all LobSystemInstances contained by that **LobSystem** and the **Properties**, localized names, and ACEs of the ignored **MetadataObjects**. If the **MetadataModel** contains an Entity that has the same name, namespace, and version as an **Entity** in the metadata store and the names of the **LobSystems** that contain these **Entities** are identical, the **Entity** in the **MetadataModel** MUST be ignored by the protocol server, along with all **MetadataObjects**

contained by the **Entity** or other ignored **MetadataObjects** and the **Properties**, localized names, and ACEs of the ignored **MetadataObjects**.

```
<wsdl:operation name="ModelReadXml" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXml"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlResponse"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_ModelReadXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ModelReadXml\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section [2.2.4](#). If

more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error if the security principal (1) in whose context the protocol client is operating is not authorized to modify the MetadataCatalog.

This operation raises the **BdcExceptionState** (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>) error under the following conditions:

- The specified **MetadataModel** contains one or more MetadataObjects with invalid attributes.
- The specified **MetadataModel** contains an Association element that specifies an **Entity** as a source more than once.
- The specified XML does not conform to the format specified in [MS-BDCMFFS].

This operation raises the [DuplicateMetadataObjectExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData) error under the following conditions:

- The **updateModel** element is set to "false" and there is already a Model with the same name as the **Model** contained by the **MetadataModel** contained by the specified **MetadataCatalog**.
- The specified **MetadataModel** represents a **LobSystem**, but a **LobSystem** with the same name and different **SystemType** value already exists in the metadata store.

This operation raises the [ExceededMetadataObjectLimitExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData) error if the specified **MetadataModel** contains a **MetadataObject** that contains more objects of a type than the implementation-specific maximum number of that type of objects. **MetadataObjects**, **Properties**, localized names<109>and ACEs are the types of objects where an implementation-specific maximum number limit can be enforced by the protocol server. For example, this condition is met when an **Entity** contains more **Methods** than the implementation-specific maximum number of Methods allowed per Entity.

This operation raises the [InvalidOperationException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System) error under the following conditions:

- The specified **MetadataModel** contains one or more **MetadataObjects** that contain an ACE that specifies the anonymous user to have permissions other than "Execute", the **packageContents** element has "Permissions" in its value, and the specified **MetadataObject** is one of the following:
  - Association
  - Entity
  - LobSystem
  - Method
  - MethodInstance
- The specified **MetadataModel** contains one or more **MetadataObjects** that does not contain an ACE that is set to "SetPermissions", the **packageContents** element has "Permissions" in its value, and the specified **MetadataObject** is one of the following:

- Association
- Entity
- LobSystem
- Method
- MethodInstance

This operation raises the [MetadataObjectNotFoundExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the **updateModel** element is set to "true" and the specified **MetadataCatalog** does not contain the Model contained by the **MetadataModel**.

This operation raises the [PackageFormatExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under the following conditions:

- One of the **Entities** contained by the **MetadataModel** has the same name, namespace, and version as an **Entity** in the metadata store, but the names of the LobSystems that contain these **Entities** are not identical.
- The MetadataObjectId of the specified **MetadataCatalog** is set to zero ("0").
- The "Model" value is not specified in the **packageContents** element.
- The "InlineProxies" value is specified in **packageContents** element, and the specified **MetadataModel** contains a **LobSystem** element with an associated Business Logic Module.
- The specified **MetadataModel** contains a **Method** that contains more than one **TimeStampFilter**.
- The specified **MetadataModel** contains a **Method** that contains more than one **Parameter** with the **Direction** attribute set to "Return".
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **StreamAccessor** that specifies **ReturnTypeDescriptor** that contains other **TypeDescriptors**.
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **StreamAccessor** and the **TypeDescriptor** containing the **ReturnTypeDescriptor** of this **MethodInstance** contains another **TypeDescriptor** under its parent **TypeDescriptor**, and the **LobSystem** containing the **Entity** that contains this **StreamAccessor** has its type specified as "Database".
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **MethodInstance**, the **Method** containing this **MethodInstance** does not contain a **TimeStampFilter** and the type of this **MethodInstance** is one of the following values:
  - ChangedIdEnumerator
  - DeletedIdEnumerator
- The "Model" value is specified for the **packageContents** element, and the specified **MetadataModel** contains a **MethodInstance**, and the **Method** for which this **MethodInstance** is being created does not have a **Parameter** whose **Direction** is "In" or "InOut", and the type of this **MethodInstance** is one of the following values:

- AccessChecker
- AssociationNavigator
- Associator
- BinarySecurityDescriptorAccessor
- BulkAssociatedIdEnumerator
- BulkAssociationNavigator
- BulkIdEnumerator
- BulkSpecificFinder
- ChangedIdEnumerator
- DeletedIdEnumerator
- Deleter
- Disassociator
- SpecificFinder
- Updater

StreamAccessor

### 3.1.4.99.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ModelReadXml_InputMessage	The request WSDL message for the <b>ModelReadXml</b> WSDL operation.
BusinessDataCatalogSharedService_ModelReadXml_OutputMessage	The response WSDL message for the <b>ModelReadXml</b> WSDL operation.

#### 3.1.4.99.1.1 BusinessDataCatalogSharedService\_ModelReadXml\_InputMessage

The request WSDL message for the **ModelReadXml** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXml>

The SOAP body contains the **ModelReadXml** element.

### 3.1.4.99.1.2 BusinessDataCatalogSharedService\_ModelReadXml\_OutputMessage

The response WSDL message for the **ModelReadXml** WSDL operation.

The SOAP body contains the **ModelReadXmlResponse** element.

### 3.1.4.99.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ModelReadXml	The input data for the <b>ModelReadXml</b> WSDL operation.
ModelReadXmlResponse	The result data for the <b>ModelReadXml</b> WSDL operation.

#### 3.1.4.99.2.1 ModelReadXml

The input data for the **ModelReadXml** WSDL operation.

```
<xs:element name="ModelReadXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="applicationRegistryStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="0" name="updateModel" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies what part of the **MetadataModel** is to be created. The protocol server MUST use the following rules:

- If the "Properties" value is specified, the protocol server MUST create the specified **Properties** for the corresponding **MetadataObjects**. If the metadata store already contains a **Property** with the same name in the specified **Setting** for the **MetadataObject**, the **Property** in the metadata store MUST be replaced.
- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**. If the metadata store already contains a localized name with the same LCID in the specified **Setting** for the **MetadataObject**, the localized name in the metadata store MUST be replaced.
- If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.

- If the "Permissions" value is specified, the protocol server MUST delete ACEs in the metadata store for the corresponding **MetadataObjects** and create the specified ACEs for the corresponding **MetadataObjects**.
- If the "Permissions" value is not specified, the protocol server MUST ignore ACEs in the specified **MetadataModel**.

**applicationRegistryStruct:** The MetadataCatalog that contains the Model contained by the **MetadataModel**. The partition (1) of this **MetadataCatalog** MUST be the partition (1) of the protocol client.

**callerCultureLcid:** Specifies the LCID corresponding to the locale for which the error messages are to be returned. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, the protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

**updateModel:** Specifies whether the **Model** contained by the **MetadataModel** already exists in the metadata store. If this element is set to "true", the protocol server SHOULD remove all Entity references from the **Model**. Then, the protocol server SHOULD create **Entity** references in the **Model** for all **Entities** in the specified **MetadataModel** [<110>](#).

### 3.1.4.99.2.2 ModelReadXmlResponse

The result data for the **ModelReadXml** WSDL operation.

```
<xs:element name="ModelReadXmlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ModelReadXmlResult" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**ModelReadXmlResult:** The Model from the metadata store that corresponds to the specified MetadataModel. The partition (1) of this **Model** MUST be the partition (1) of the protocol client.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation, as well as other implementation-specific informational messages related to the operation.

### 3.1.4.99.3 Complex Types

None.

### 3.1.4.99.4 Simple Types

None.

### 3.1.4.99.5 Attributes

None.



### 3.1.4.99.6 Groups

None.

### 3.1.4.99.7 Attribute Groups

None.

### 3.1.4.100 ReadSlicedXml

The **ReadSlicedXml** operation creates the Model or LobSystem and its referenced MetadataObjects, along with the **Properties**, localized names, and ACEs of the MetadataModel in the metadata store. The MetadataModel is represented as an implementation-specific string. The **MetadataModel** MUST contain a single **Model** or **LobSystem**, along with all contained **MetadataObjects** and their **Properties** in all Settings, localized names in all **Settings**, and ACEs in all **Settings**. The protocol client typically uses this operation to restore a backed-up **Model** or **LobSystem** to a specified partition (1). The [WriteSlicedXml](#) operation, as specified in section [3.1.4.115](#), retrieves the **string** to be used as an input for this operation.

```
<wsdl:operation name="ReadSlicedXml" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXml"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlResponse"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_AccessDeniedExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlPackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_PackageFormatExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentNullExceptionFault_Me
ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentOutOfRangeExceptionFault_M
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_ReadSlicedXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_ReadSlicedXml\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified MetadataCatalog.
<a href="http://schemas.microsoft.com/windows/2007/BusinessDataCatalog">PackageFormatExceptionState (from namespace http://schemas.microsoft.com/windows/2007/BusinessDataCatalog)</a>	The "Model" value is not specified in the <b>packageContents</b> element.

### 3.1.4.100.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage	The request WSDL message for the <b>ReadSlicedXml</b> WSDL operation.
BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage	The response WSDL message for the <b>ReadSlicedXml</b> WSDL operation.

#### 3.1.4.100.1.1 BusinessDataCatalogSharedService\_ReadSlicedXml\_InputMessage

The request WSDL message for the **ReadSlicedXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXml
```

The SOAP body contains the **ReadSlicedXml** element.

### 3.1.4.100.1.2 BusinessDataCatalogSharedService\_ReadSlicedXml\_OutputMessage

The response WSDL message for the **ReadSlicedXml** WSDL operation.

The SOAP body contains the **ReadSlicedXmlResponse** element.

### 3.1.4.100.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
ReadSlicedXml	The input data for the <b>ReadSlicedXml</b> WSDL operation.
ReadSlicedXmlResponse	The result data for the <b>ReadSlicedXml</b> WSDL operation.

#### 3.1.4.100.2.1 ReadSlicedXml

The input data for the **ReadSlicedXml** WSDL operation.

```
<xs:element name="ReadSlicedXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**xml**: The implementation-specific **string** that represents the **MetadataModel**.

**packageContents**: The value of this element SHOULD [<111>](#) be set to "All".

**parentStruct**: The **MetadataCatalog** [<112>](#) to contain the specified **LobSystem** or **Model**. The partition (1) of this **MetadataCatalog** MUST be the partition (1) of the protocol client.

**readStruct**: The value of this element MUST be a **Model** if the **MetadataModel** consists of a **Model**. Otherwise, the value of this element MUST be an **LobSystem**. The attributes of the specified **Model** or **LobSystem** MUST be ignored by the protocol server.

**callerCultureLcid:** Specifies the LCID corresponding to the locale for which the error messages are to be returned. If the protocol server is capable of generating error messages in the specified locale, all error messages MUST be generated for the specified locale. Otherwise, the protocol server MUST return errors in a locale determined with an implementation-specific algorithm.

### 3.1.4.100.2 ReadSlicedXmlResponse

The result data for the **ReadSlicedXml** WSDL operation.

```
<xs:element name="ReadSlicedXmlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
        minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfString"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**errors:** Error messages that occurred while performing this operation.

**readStruct:** The Model or LobSystem from the metadata store that corresponds to the specified MetadataModel. The partition (1) of this **Model** or **LobSystem** MUST be the partition (1) of the protocol client.

### 3.1.4.100.3 Complex Types

None.

### 3.1.4.100.4 Simple Types

None.

### 3.1.4.100.5 Attributes

None.

### 3.1.4.100.6 Groups

None.

### 3.1.4.100.7 Attribute Groups

None.

### 3.1.4.101 RemoveEntityFromModel

The **RemoveEntityFromModel** operation removes the reference to the specified Entity from the specified Model.

```
<wsdl:operation name="RemoveEntityFromModel" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemoveEntityFromModel" />
```

```

message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelResponse"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_InvalidOperationExceptionF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_BdcExceptionStateFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentOutOfRangeException
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_MetadataExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentExceptionFault_Fau
ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentNullExceptionFault
_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit

Error complex type	Condition
	the specified Model.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The partition (1) of the specified <b>Model</b> is different from the partition (1) of the specified <b>Entity</b> .
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Entity</b> is not referenced by the specified <b>Model</b> .

### 3.1.4.101.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage	The request WSDL message for the <b>RemoveEntityFromModel</b> WSDL operation.
BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage	The response WSDL message for the <b>RemoveEntityFromModel</b> WSDL operation.

#### 3.1.4.101.1.1

#### **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_InputMessage**

The request WSDL message for the **RemoveEntityFromModel** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveEntityFromModel
```

The SOAP body contains the **RemoveEntityFromModel** element.

#### 3.1.4.101.1.2

#### **BusinessDataCatalogSharedService\_RemoveEntityFromModel\_OutputMessage**

The response WSDL message for the **RemoveEntityFromModel** WSDL operation.

The SOAP body contains the **RemoveEntityFromModelResponse** element.

### 3.1.4.101.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveEntityFromModel	The input data for the <b>RemoveEntityFromModel</b> WSDL operation.
RemoveEntityFromModelResponse	The result data for the <b>RemoveEntityFromModel</b> WSDL operation.

#### 3.1.4.101.2.1 RemoveEntityFromModel

The input data for the **RemoveEntityFromModel** WSDL operation.

```
<xs:element name="RemoveEntityFromModel" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**modelStruct:** The Model. The partition (1) of this element MUST be the partition (1) of the protocol client.

**entityStruct:** The Entity. The partition (1) of this element MUST be the partition (1) of the protocol client.

#### 3.1.4.101.2.2 RemoveEntityFromModelResponse

The result data for the **RemoveEntityFromModel** WSDL operation.

```
<xs:element name="RemoveEntityFromModelResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.101.3 Complex Types

None.

#### 3.1.4.101.4 Simple Types

None.

#### 3.1.4.101.5 Attributes

None.

### 3.1.4.101.6 Groups

None.

### 3.1.4.101.7 Attribute Groups

None.

### 3.1.4.102 RemoveLocalizedName

The **RemoveLocalizedName** operation removes the localized name with the specified LCID from the specified **MetadataObject**.

```
<wsdl:operation name="RemoveLocalizedName" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedName"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameResponse"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameBdcExceptionStateFault"
    name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentOutOfRangeExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameMetadataExceptionStateFault"
    name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameArgumentExceptionFault"
    name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveLocalizedNameArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentNullExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveLocalizedName\_InputMessage** request



message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveLocalizedName\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified <b>Setting</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The localized name for the specified LCID does not exist in the specified <b>Setting</b> for the specified <b>MetadataObject</b> .

### 3.1.4.102.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage	The request WSDL message for the <b>RemoveLocalizedName</b> WSDL operation.
BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage	The response WSDL message for the <b>RemoveLocalizedName</b> WSDL operation.

#### 3.1.4.102.1.1 BusinessDataCatalogSharedService\_RemoveLocalizedName\_InputMessage

The request WSDL message for the **RemoveLocalizedName** WSDL operation.

The SOAP action value is:

The SOAP body contains the **RemoveLocalizedName** element.

### 3.1.4.102.1.2

#### **BusinessDataCatalogSharedService\_RemoveLocalizedName\_OutputMessage**

The response WSDL message for the **RemoveLocalizedName** WSDL operation.

The SOAP body contains the **RemoveLocalizedNameResponse** element.

### 3.1.4.102.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveLocalizedName	The input data for the <b>RemoveLocalizedName</b> WSDL operation.
RemoveLocalizedNameResponse	The result data for the <b>RemoveLocalizedName</b> WSDL operation.

#### 3.1.4.102.2.1 RemoveLocalizedName

The input data for the **RemoveLocalizedName** WSDL operation.

```
<xs:element name="RemoveLocalizedName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this element MUST be the partition (1) of the protocol client.

**lcid:** The LCID of the localized name to be removed.

**settingId:** The Setting from which to remove the localized name.

#### 3.1.4.102.2.2 RemoveLocalizedNameResponse

The result data for the **RemoveLocalizedName** WSDL operation.

```
<xs:element name="RemoveLocalizedNameResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
```

</xs:element>

### 3.1.4.102.3 Complex Types

None.

### 3.1.4.102.4 Simple Types

None.

### 3.1.4.102.5 Attributes

None.

### 3.1.4.102.6 Groups

None.

### 3.1.4.102.7 Attribute Groups

None.

### 3.1.4.103 RemoveProperty

The **RemoveProperty** operation removes the specified **Property** from the specified **MetadataObject**.

```
<wsdl:operation name="RemoveProperty" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemoveProperty"
    message="i0:BusinessDataCatalogSharedService_RemoveProperty_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemovePropertyResponse"
    message="i0:BusinessDataCatalogSharedService_RemoveProperty_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemovePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_RemoveProperty_BdcExceptionStateFault_FaultMessa
    ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemovePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_RemoveProperty_InvalidOperationExceptionFault_Fa
    ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemovePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_RemoveProperty_MetadataExceptionStateFault_Fault
    Message" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/RemovePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_RemoveProperty_ArgumentExceptionFault_FaultMessa
    ge" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_ArgumentNullExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_ArgumentOutOfRangeExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveProperty\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveProperty\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified Setting.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The <b>name</b> element is empty or "NULL".
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>MetadataObject</b> does not contain the specified property.
<b>MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</b>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.103.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_RemoveProperty_InputMessage	The request WSDL message for the <b>RemoveProperty</b> WSDL operation.

Message	Description
BusinessDataCatalogSharedService_RemoveProperty_OutputMessage	The response WSDL message for the <b>RemoveProperty</b> WSDL operation.

### 3.1.4.103.1.1

#### BusinessDataCatalogSharedService\_RemoveProperty\_InputMessage

The request WSDL message for the **RemoveProperty** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/RemoveProperty
```

The SOAP body contains the **RemoveProperty** element.

### 3.1.4.103.1.2

#### BusinessDataCatalogSharedService\_RemoveProperty\_OutputMessage

The response WSDL message for the **RemoveProperty** WSDL operation.

The SOAP body contains the **RemovePropertyResponse** element.

### 3.1.4.103.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveProperty	The input data for the <b>RemoveProperty</b> WSDL operation.
RemovePropertyResponse	The result data for the <b>RemoveProperty</b> WSDL operation.

#### 3.1.4.103.2.1 RemoveProperty

The input data for the **RemoveProperty** WSDL operation.

```
<xs:element name="RemoveProperty" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**name:** The name of the **Property** to be deleted.

**settingId:** The Setting to delete the **Property** from.

### 3.1.4.103.2 RemovePropertyResponse

The result data for the **RemoveProperty** WSDL operation.

```
<xs:element name="RemovePropertyResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">  
  <xs:complexType>  
    <xs:sequence/>  
  </xs:complexType>  
</xs:element>
```

### 3.1.4.103.3 Complex Types

None.

### 3.1.4.103.4 Simple Types

None.

### 3.1.4.103.5 Attributes

None.

### 3.1.4.103.6 Groups

None.

### 3.1.4.103.7 Attribute Groups

None.

### 3.1.4.104 RemoveThrottlingRule

The **RemoveThrottlingRule** operation deletes the specified throttle configuration setting.

```
<wsdl:operation name="RemoveThrottlingRule" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">  
  <wsdl:input  
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/RemoveThrottlingRule"  
    message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_InputMessage"  
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>  
  <wsdl:output  
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/RemoveThrottlingRuleResponse"  
    message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_OutputMessage"  
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>  
  <wsdl:fault  
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar  
edService/RemoveThrottlingRuleAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"  
    message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_AccessDeniedExceptionFault_  
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>  
  <wsdl:fault  
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
```

```

edService/RemoveThrottlingRuleArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_ArgumentNullExceptionFault_
FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRuleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_BdcExceptionStateFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRuleArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_ArgumentExceptionFault_Faul
tMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_RemoveThrottlingRule\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_RemoveThrottlingRule\_OutputMessage** response message, unless any faults occur.

### 3.1.4.104.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_RemoveThrottlingRule_InputMessage	The request WSDL message for the <b>RemoveThrottlingRule</b> WSDL operation.
BusinessDataCatalogSharedService_RemoveThrottlingRule_OutputMessage	The response WSDL message for the <b>RemoveThrottlingRule</b> WSDL operation.

#### 3.1.4.104.1.1

### BusinessDataCatalogSharedService\_RemoveThrottlingRule\_InputMessage

The request WSDL message for the **RemoveThrottlingRule** WSDL operation.

The SOAP action value is:

```

http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Rem
oveThrottlingRule

```

The SOAP body contains the **RemoveThrottlingRule** element.

#### 3.1.4.104.1.2

### BusinessDataCatalogSharedService\_RemoveThrottlingRule\_OutputMessage

The response WSDL message for the **RemoveThrottlingRule** WSDL operation.

The SOAP body contains the **RemoveThrottlingRuleResponse** element.

### 3.1.4.104.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveThrottlingRule	The input data for the <b>RemoveThrottlingRule</b> WSDL operation.
RemoveThrottlingRuleResponse	The result data for the <b>RemoveThrottlingRule</b> WSDL operation.

#### 3.1.4.104.2.1 RemoveThrottlingRule

The input data for the **RemoveThrottlingRule** WSDL operation.

```
<xs:element name="RemoveThrottlingRule" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="safetyNetStruct" nillable="true" type="tns6:SafetyNetStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**safetyNetStruct:** The throttle configuration setting that is to be deleted from the metadata store.

#### 3.1.4.104.2.2 RemoveThrottlingRuleResponse

The result data for the **RemoveThrottlingRule** WSDL operation.

```
<xs:element name="RemoveThrottlingRuleResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

#### 3.1.4.104.3 Complex Types

None.

#### 3.1.4.104.4 Simple Types

None.

#### 3.1.4.104.5 Attributes

None.

#### 3.1.4.104.6 Groups

None.



### 3.1.4.104.7 Attribute Groups

None.

### 3.1.4.105 SaveLocalizedName

The **SaveLocalizedName** operation adds or replaces a localized name for the specified **MetadataObject**. If a localized name with the same LCID and Setting as the specified LCID and **Setting** already exists for the specified **MetadataObject**, the protocol server MUST replace the localized name of the specified **MetadataObject** with the specified localized name.

```
<wsdl:operation name="SaveLocalizedName" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedName"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameResponse"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentOutOfRangeExceptionFau
    lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_BdcExceptionStateFault_FaultMe
    ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameInvalidOperationExceptionFault"
    name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_InvalidOperationExceptionFault
    _FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_MetadataExceptionStateFault_Fa
    ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentExceptionFault_FaultMe
    ssage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
    edService/SaveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentNullExceptionFault_Fau
    ltMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_SaveLocalizedName\_InputMessage** request message, and the protocol server MUST respond with a

**BusinessDataCatalogSharedService\_SaveLocalizedName\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault that contains the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error Complex Type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a> )	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified <b>Setting</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentNullException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified localized name is set to null.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">Microsoft.SharePoint.BusinessData</a> )	The specified <b>MetadataObject</b> does not exist.
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataObject</b> already contains the implementation-specific maximum number of localized names.

### 3.1.4.105.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage	The request WSDL message for the <b>SaveLocalizedName</b> WSDL operation.
BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage	The response WSDL message for the <b>SaveLocalizedName</b> WSDL operation.

#### 3.1.4.105.1.1

### BusinessDataCatalogSharedService\_SaveLocalizedName\_InputMessage

The request WSDL message for the **SaveLocalizedName** WSDL operation.

The SOAP action value is:

The SOAP body contains the **SaveLocalizedName** element.

### 3.1.4.105.1.2

#### **BusinessDataCatalogSharedService\_SaveLocalizedName\_OutputMessage**

The response WSDL message for the **SaveLocalizedName** WSDL operation.

The SOAP body contains the **SaveLocalizedNameResponse** element.

### 3.1.4.105.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SaveLocalizedName	The input data for the <b>SaveLocalizedName</b> WSDL operation.
SaveLocalizedNameResponse	The result data for the <b>SaveLocalizedName</b> WSDL operation.

#### 3.1.4.105.2.1 SaveLocalizedName

The input data for the **SaveLocalizedName** WSDL operation.

```
<xs:element name="SaveLocalizedName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**lcid:** The LCID of the localized name to be saved.

**name:** The localized name of the **MetadataObject**.

**settingId:** The Setting to which to write the localized name.

#### 3.1.4.105.2.2 SaveLocalizedNameResponse

The result data for the **SaveLocalizedName** WSDL operation.

```
<xs:element name="SaveLocalizedNameResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
```

```
<xs:sequence/>
</xs:complexType>
</xs:element>
```

### 3.1.4.105.3 Complex Types

None.

### 3.1.4.105.4 Simple Types

None.

### 3.1.4.105.5 Attributes

None.

### 3.1.4.105.6 Groups

None.

### 3.1.4.105.7 Attribute Groups

None.

### 3.1.4.106 SaveProperty

The **SaveProperty** operation adds or replaces a **Property** for the specified **MetadataObject**. If a **Property** with the same name as the specified **Property** already exists in the same **Setting** for the specified **MetadataObject**, the protocol server **MUST** replace the **Property** of the **MetadataObject** with the specified **Property**.

```
<wsdl:operation name="SaveProperty" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveProperty"
    message="i0:BusinessDataCatalogSharedService_SaveProperty_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyResponse"
    message="i0:BusinessDataCatalogSharedService_SaveProperty_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_SaveProperty_MetadataExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_SaveProperty_BdcExceptionStateFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SavePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SaveProperty_InvalidOperationExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_ArgumentExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_ArgumentNullExceptionFault_FaultMes
sage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_ArgumentOutOfRangeExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SaveProperty\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SaveProperty\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>MetadataObject</b> in the specified <b>Setting</b> .
<a href="#">ExceededMetadataObjectLimitExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> already contains the implementation-specific maximum number of <b>Properties</b> .
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>MetadataObject</b> does not exist.

### 3.1.4.106.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_SaveProperty_InputMessage	The request WSDL message for the <b>SaveProperty</b> WSDL operation.
BusinessDataCatalogSharedService_SaveProperty_OutputMessage	The response WSDL message for the <b>SaveProperty</b> WSDL operation.

### 3.1.4.106.1.1 BusinessDataCatalogSharedService\_SaveProperty\_InputMessage

The request WSDL message for the **SaveProperty** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveProperty
```

The SOAP body contains the **SaveProperty** element.

### 3.1.4.106.1.2 BusinessDataCatalogSharedService\_SaveProperty\_OutputMessage

The response WSDL message for the **SaveProperty** WSDL operation.

The SOAP body contains the **SavePropertyResponse** element.

### 3.1.4.106.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SaveProperty	The input data for the <b>SaveProperty</b> WSDL operation.
SavePropertyResponse	The result data for the <b>SaveProperty</b> WSDL operation.

#### 3.1.4.106.2.1 SaveProperty

The input data for the **SaveProperty** WSDL operation.

```
<xs:element name="SaveProperty" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="propertyStruct" nillable="true" type="tns6:PropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client.

**propertyStruct:** The **Property** to be saved.

### 3.1.4.106.2 SavePropertyResponse

The result data for the **SaveProperty** WSDL operation.

```
<xs:element name="SavePropertyResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.106.3 Complex Types

None.

### 3.1.4.106.4 Simple Types

None.

### 3.1.4.106.5 Attributes

None.

### 3.1.4.106.6 Groups

None.

### 3.1.4.106.7 Attribute Groups

None.

### 3.1.4.107 SetAccessControlEntries

The **SetAccessControlEntries** operation sets ACEs for the specified **MetadataObject**. The protocol server MUST delete all ACEs of the specified **MetadataObject** for the specified Setting, and then add the specified ACEs to the specified **MetadataObject**.

Note that if the **SetAccessControlEntries** element, as specified in section [3.1.4.107.2.1](#), contains an **accessControlEntries** element such that any two of its **AccessControlEntryStruct** elements contain the same value for the **principalName** element, the protocol server MUST add only one ACE for that **principalName**.

```
<wsdl:operation name="SetAccessControlEntries" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntries"
    message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesResponse"
    message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentOutOfRangeExceptionExcept
ionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_BdcExceptionStateFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_InvalidOperationExceptio
nFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_MetadataExceptionStateFa
ult_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentExceptionFault_F
aultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetAccessControlEntriesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentNullExceptionFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetAccessControlEntries\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetAccessControlEntries\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to set permissions on the specified <b>MetadataObject</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	At least one of the specified ACEs



Error complex type	Condition
	contain an invalid value for <b>principalName</b> element.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentOutOfRangeException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The MetadataObjectId for the specified <b>MetadataObject</b> is set to zero ("0").
<a href="http://schemas.datacontract.org/2004/07/System">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified ACEs do not contain an ACE with "SetPermissions" permission, or contain an ACE that specify anonymous user to have permissions other than "Execute".

### 3.1.4.107.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage	The request WSDL message for the <b>SetAccessControlEntries</b> WSDL operation.
BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage	The response WSDL message for the <b>SetAccessControlEntries</b> WSDL operation.

#### 3.1.4.107.1.1

### BusinessDataCatalogSharedService\_SetAccessControlEntries\_InputMessage

The request WSDL message for the **SetAccessControlEntries** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntries>

The SOAP body contains the **SetAccessControlEntries** element.

### 3.1.4.107.1.2

#### BusinessDataCatalogSharedService\_SetAccessControlEntries\_OutputMessage

The response WSDL message for the **SetAccessControlEntries** WSDL operation.

The SOAP body contains the **SetAccessControlEntriesResponse** element.

### 3.1.4.107.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetAccessControlEntries	The input data for the <b>SetAccessControlEntries</b> WSDL operation.
SetAccessControlEntriesResponse	The result data for the <b>SetAccessControlEntries</b> WSDL operation.

#### 3.1.4.107.2.1 SetAccessControlEntries

The input data for the **SetAccessControlEntries** WSDL operation.

```
<xs:element name="SetAccessControlEntries" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="accessControlEntries" nillable="true" type="tns6:ArrayOfAccessControlEntryStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject. The partition (1) of this **MetadataObject** MUST be the partition (1) of the protocol client. The **MetadataObject** MUST be of one of the following types:

- Entity
- LobSystem
- MetadataCatalog
- Method
- MethodInstance
- Model

**accessControlEntries:** The ACEs.

**settingId:** The Setting to which to write the ACEs.

#### 3.1.4.107.2.2 SetAccessControlEntriesResponse

The result data for the **SetAccessControlEntries** WSDL operation.

```

<xs:element name="SetAccessControlEntriesResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>

```

### 3.1.4.107.3 Complex Types

None.

### 3.1.4.107.4 Simple Types

None.

### 3.1.4.107.5 Attributes

None.

### 3.1.4.107.6 Groups

None.

### 3.1.4.107.7 Attribute Groups

None.

### 3.1.4.108 SetDefaultActionForEntity

The **SetDefaultActionForEntity** operation sets the default Action for the specified Entity.

```

<wsdl:operation name="SetDefaultActionForEntity"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntity"
    message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityResponse"
    message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentNullExceptionFault"
    name="ArgumentNullExceptionFault"
    message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentOutOfRangeExceptionFault"

```

```

name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_OutputMessage** response message, unless any faults occur.

If either of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault that contains the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>Entity</b> .
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>Entity</b> does not exist or does not contain an <b>Action</b> with the specified name.

### 3.1.4.108.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage	The request WSDL message for the <b>SetDefaultActionForEntity</b> WSDL operation.
BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage	The response WSDL message for the <b>SetDefaultActionForEntity</b> WSDL operation.

### 3.1.4.108.1.1

#### BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_InputMessage

The request WSDL message for the **SetDefaultActionForEntity** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntity
```

The SOAP body contains the **SetDefaultActionForEntity** element.

### 3.1.4.108.1.2

#### BusinessDataCatalogSharedService\_SetDefaultActionForEntity\_OutputMessage

The response WSDL message for the **SetDefaultActionForEntity** WSDL operation.

The SOAP body contains the **SetDefaultActionForEntityResponse** element.

### 3.1.4.108.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetDefaultActionForEntity	The input data for the <b>SetDefaultActionForEntity</b> WSDL operation.
SetDefaultActionForEntityResponse	The result data for the <b>SetDefaultActionForEntity</b> WSDL operation.

### 3.1.4.108.2.1 SetDefaultActionForEntity

The input data for the **SetDefaultActionForEntity** WSDL operation.

```
<xs:element name="SetDefaultActionForEntity" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
      <xs:element minOccurs="0" name="actionName" nillable="true" type="xs:string"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:sequence>
</xs:complexType>
</xs:element>
```

**entityStruct:** The Entity to which a default Action is to be set. The partition (1) of this **Entity** MUST be the partition (1) of the protocol client.

**actionName:** The name of the **Action** to be set as default **Action** to the specified **Entity**.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.108.2.2 SetDefaultActionForEntityResponse

The result data for the **SetDefaultActionForEntity** WSDL operation.

```
<xs:element name="SetDefaultActionForEntityResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.108.3 Complex Types

None.

### 3.1.4.108.4 Simple Types

None.

### 3.1.4.108.5 Attributes

None.

### 3.1.4.108.6 Groups

None.

### 3.1.4.108.7 Attribute Groups

None.

### 3.1.4.109 SetDefaultValuesForTypeDescriptor

The **SetDefaultValuesForTypeDescriptor** operation sets the **DefaultValue** of the **TypeDescriptor** with the **MetadataObjectId** specified by the **TypeDescriptorId** element of the specified **DefaultValueStruct** complex type for the **MethodInstance**, with the **MetadataObjectId** specified by the **methodInstanceId** element of the specified **DefaultValueStruct**.

```
<wsdl:operation name="SetDefaultValuesForTypeDescriptor"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptor"
```

```

message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_BdcExceptionSt
ateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InvalidOperati
onExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_MetadataExcepti
onStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentExcepti
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentNullEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentOutOfR
angeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client

Error complex type	Condition
	operates is not authorized to modify the <b>Method</b> that contains the <b>Parameter</b> that contains the specified <b>TypeDescriptor</b> .
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The specified <b>DefaultValue</b> is invalid.
<a href="#">ExceededMetadataObjectLimitExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>TypeDescriptor</b> already contains the implementation-specific maximum number of <b>DefaultValues</b> .
<a href="#">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>TypeDescriptor</b> does not exist or the specified <b>MethodInstance</b> does not exist.

### 3.1.4.109.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InputMessage	The request WSDL message for the <b>SetDefaultValuesForTypeDescriptor</b> WSDL operation.
BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_OutputMessage	The response WSDL message for the <b>SetDefaultValuesForTypeDescriptor</b> WSDL operation.

#### 3.1.4.109.1.1

### BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_InputMessage

The request WSDL message for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptor>



The SOAP body contains the **SetDefaultValuesForTypeDescriptor** element.

### 3.1.4.109.1.2

#### **BusinessDataCatalogSharedService\_SetDefaultValuesForTypeDescriptor\_Output Message**

The response WSDL message for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

The SOAP body contains the **SetDefaultValuesForTypeDescriptorResponse** element.

### 3.1.4.109.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetDefaultValuesForTypeDescriptor	The input data for the <b>SetDefaultValuesForTypeDescriptor</b> WSDL operation.
SetDefaultValuesForTypeDescriptorResponse	The result data for the <b>SetDefaultValuesForTypeDescriptor</b> WSDL operation.

#### 3.1.4.109.2.1 SetDefaultValuesForTypeDescriptor

The input data for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="SetDefaultValuesForTypeDescriptor"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
        name="defaultValueStruct" nillable="true" type="tns6:DefaultValueStruct"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**defaultValueStruct:** The DefaultValue to be set for the specified TypeDescriptor. The partition (1) of this element MUST be the partition (1) of the protocol.

**partitionId:** The partition (1) of the protocol client.

#### 3.1.4.109.2.2 SetDefaultValuesForTypeDescriptorResponse

The result data for the **SetDefaultValuesForTypeDescriptor** WSDL operation.

```
<xs:element name="SetDefaultValuesForTypeDescriptorResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.109.3 Complex Types

None.

### 3.1.4.109.4 Simple Types

None.

### 3.1.4.109.5 Attributes

None.

### 3.1.4.109.6 Groups

None.

### 3.1.4.109.7 Attribute Groups

None.

### 3.1.4.110 SetLobSystemDataByLobSystemId

The **SetLobSystemDataByLobSystemId** operation sets the Business Logic Modules [113](#) for the specified LobSystem.

```
<wsdl:operation name="SetLobSystemDataByLobSystemId"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemId"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdResponse"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentOutOfRange
ExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_BdcExceptionStateF
ault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InvalidOperationEx
ceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetLobSystemDataByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
```

```

message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_SetLobSystemDataByLobSystemId\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_SetLobSystemDataByLobSystemId\_OutputMessage** response message, unless any faults occur.

If the condition in the following table is met, the protocol server MUST instead respond with a **SOAP fault** containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>LobSystem</b> .
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData">MetadataObjectNotFoundExceptionState (from namespace Microsoft.SharePoint.BusinessData)</a>	The specified <b>LobSystem</b> does not exist.

### 3.1.4.110.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage	The request WSDL message for the <b>SetLobSystemDataByLobSystemId</b> WSDL operation.
BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage	The response WSDL message for the <b>SetLobSystemDataByLobSystemId</b> WSDL operation.

### 3.1.4.110.1.1

#### **BusinessDataCatalogSharedService\_SetLobSystemDataByLobSystemId\_InputMessage**

The request WSDL message for the **SetLobSystemDataByLobSystemId** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemId
```

The SOAP body contains the **SetLobSystemDataByLobSystemId** element.

### 3.1.4.110.1.2

#### **BusinessDataCatalogSharedService\_SetLobSystemDataByLobSystemId\_OutputMessage**

The response WSDL message for the **SetLobSystemDataByLobSystemId** WSDL operation.

The SOAP body contains the **SetLobSystemDataByLobSystemIdResponse** element.

### 3.1.4.110.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetLobSystemDataByLobSystemId	The input data for the <b>SetLobSystemDataByLobSystemId</b> WSDL operation.
SetLobSystemDataByLobSystemIdResponse	The result data for the <b>SetLobSystemDataByLobSystemId</b> WSDL operation.

#### 3.1.4.110.2.1 SetLobSystemDataByLobSystemId

The input data for the **SetLobSystemDataByLobSystemId** WSDL operation.

```
<xs:element name="SetLobSystemDataByLobSystemId" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element
        xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
        minOccurs="0" name="proxyGenerationResult" nillable="true"
        type="tns2:ProxyGenerationResult"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
        minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**lobSystemId:** The MetadataObjectId of the LobSystem.

**proxyGenerationResult:** The Business Logic Modules [<114>](#) to be set in the specified **LobSystem**.

**partitionId:** The partition (1) of the protocol client.

### 3.1.4.110.2 SetLobSystemDataByLobSystemIdResponse

The result data for the **SetLobSystemDataByLobSystemId** WSDL operation.

```
<xs:element name="SetLobSystemDataByLobSystemIdResponse"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
```

### 3.1.4.110.3 Complex Types

None.

### 3.1.4.110.4 Simple Types

None.

### 3.1.4.110.5 Attributes

None.

### 3.1.4.110.6 Groups

None.

### 3.1.4.110.7 Attribute Groups

None.

### 3.1.4.111 TypeDescriptorCreate

The **TypeDescriptorCreate** operation creates a TypeDescriptor in the metadata store.

```
<wsdl:operation name="TypeDescriptorCreate" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreate"
    message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateResponse"
    message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateInvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreateInvalidOperationExceptionFault"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```

name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error if the security principal (1) in whose context the protocol client is operating is not authorized to modify the Method containing the Parameter specified by **parameterStruct** element.

This operation raises the [ArgumentException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System) error under the following conditions:

- The **TypeDescriptor** specified by the **rawValues** element and the **TypeDescriptor** specified by the **parentTypeDescriptorStruct** element are contained by different **Parameters**.
- The data type referenced by the **typeName** element of the specified **TypeDescriptor** is invalid. This happens when the identifier of the data type is not in the correct format or the protocol server cannot access or load the specified data type.
- The **TypeDescriptor** specified by the **parentTypeDescriptorStruct** element is "NULL", and the **Parameter** has another root **TypeDescriptor**.
- The **TypeDescriptor** and the parent **TypeDescriptor** specified by the **parentTypeDescriptorStruct** element have the **IsCollection** flag set.

- The **TypeDescriptor** is associated with a **FilterDescriptor**, and the **FilterDescriptor** is not contained by the **Method** that contains the **Parameter** specified by the **parameterStruct** element.
- The **TypeDescriptor** specified by the **parentTypeDescriptorStruct** element has the **IsCollection** flag set and already contains another **TypeDescriptor**.
- The **TypeDescriptor** has its read-only flag set, and the **Direction** attribute of the **Parameter** is set to "In".

This operation raises the [DuplicateMetadataObjectExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the **TypeDescriptor** specified by the **parentTypeDescriptorStruct** element already contains another **TypeDescriptor** that has the same name.

This operation raises the [ExceededMetadataObjectLimitExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under the following conditions:

- The **TypeDescriptor** specified by the **parentTypeDescriptorStruct** element already contains an implementation-specific maximum number of **TypeDescriptors**.
- The metadata store already contains an implementation-specific maximum number of **TypeDescriptors** associated with the **FilterDescriptor** referenced by the specified **TypeDescriptor**.

### 3.1.4.111.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage	The request WSDL message for the <b>TypeDescriptorCreate</b> WSDL operation.
BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage	The response WSDL message for the <b>TypeDescriptorCreate</b> WSDL operation.

#### 3.1.4.111.1.1

#### **BusinessDataCatalogSharedService\_TypeDescriptorCreate\_InputMessage**

The request WSDL message for the **TypeDescriptorCreate** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorCreate>

The SOAP body contains the **TypeDescriptorCreate** element.

### 3.1.4.111.1.2

#### BusinessDataCatalogSharedService\_TypeDescriptorCreate\_OutputMessage

The response WSDL message for the **TypeDescriptorCreate** WSDL operation.

The SOAP body contains the **TypeDescriptorCreateResponse** element.

### 3.1.4.111.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
TypeDescriptorCreate	The input data for the <b>TypeDescriptorCreate</b> WSDL operation.
TypeDescriptorCreateResponse	The result data for the <b>TypeDescriptorCreate</b> WSDL operation.

#### 3.1.4.111.2.1 TypeDescriptorCreate

The input data for the **TypeDescriptorCreate** WSDL operation.

```
<xs:element name="TypeDescriptorCreate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="rawValues" nillable="true" type="tns6:TypeDescriptorStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentTypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**rawValues:** The **TypeDescriptor** to create. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client. The protocol client MUST specify values for all the elements in this complex type.

**parentTypeDescriptorStruct:** The **TypeDescriptor** that contains the **TypeDescriptor** to create. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client. If the **TypeDescriptor** to be created is a root **TypeDescriptor**, then the value of this element MUST be NULL.

**parameterStruct:** The **Parameter** containing the created **TypeDescriptor**. The partition (1) of this **Parameter** MUST be the partition (1) of the protocol client.

#### 3.1.4.111.2.2 TypeDescriptorCreateResponse

The result data for the **TypeDescriptorCreate** WSDL operation.

```
<xs:element name="TypeDescriptorCreateResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```



```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="TypeDescriptorCreateResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**TypeDescriptorCreateResult:** The created TypeDescriptor. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client.

### 3.1.4.111.3 Complex Types

None.

### 3.1.4.111.4 Simple Types

None.

### 3.1.4.111.5 Attributes

None.

### 3.1.4.111.6 Groups

None.

### 3.1.4.111.7 Attribute Groups

None.

### 3.1.4.112 TypeDescriptorMergeXml

The **TypeDescriptorMergeXml** operation merges the **Properties** and localized names contained by the TypeDescriptors in the specified MetadataModel into an existing **TypeDescriptor** in the metadata store. The **MetadataModel** MUST be specified as a well-formed external parsed entity, as specified in [\[XML\]](#) section 4.3.2, and MUST have as a root element the **TypeDescriptor** element, as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.24.

```

<wsdl:operation name="TypeDescriptorMergeXml" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXml"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlResponse"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_MetadataExceptionStateFau
lt_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

```

```

edService/TypeDescriptorMergeXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_BdcExceptionStateFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InvalidOperationException
Fault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_PackageFormatExceptionSta
teFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentExceptionFault_Fa
ultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentNullExceptionFaul
t_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentOutOfRangeExceptionExcepi
onFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure)</a>	The security principal (1) in whose context the protocol client is operating is not authorized to edit the Method that contains the specified Parameter.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The "Model" value is specified in the <b>packageContents</b> element.
<a href="#">ExceededMetadataObjectLimitExceptionState (from namespace</a>	The specified

Error complex type	Condition
<a href="#">Microsoft.SharePoint.BusinessData</a> )	<b>MetadataModel</b> contains one or more <b>TypeDescriptors</b> that already contain the implementation-specific maximum number of <b>Properties</b> , and the <b>packageContents</b> element has "Properties" set as its value.
<a href="#">InvalidOperationException</a> (from namespace <a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a> )	The specified <b>MetadataModel</b> specifies one or more <b>TypeDescriptors</b> that already contain the implementation-specific maximum number of localized names, and the <b>packageContents</b> element has "LocalizedNames" as its value.
<a href="#">MetadataObjectNotFoundExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	The specified <b>Parameter</b> could not be found and the specified parent <b>TypeDescriptor</b> is set to null.
<a href="#">PackageFormatExceptionState</a> (from namespace <a href="#">Microsoft.SharePoint.BusinessData</a> )	The <b>TypeDescriptor</b> specified in the <b>MetadataModel</b> does not exist in the specified <b>TypeDescriptor</b> or the specified <b>Parameter</b> if a <b>TypeDescriptor</b> is not specified, or the specified parent <b>TypeDescriptor</b> could not be found.

### 3.1.4.112.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage	The request WSDL message for the <b>TypeDescriptorMergeXml</b>

Message	Description
	WSDL operation.
BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage	The response WSDL message for the <b>TypeDescriptorMergeXml</b> WSDL operation.

### 3.1.4.112.1.1

#### BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_InputMessage

The request WSDL message for the **TypeDescriptorMergeXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorMergeXml
```

The SOAP body contains the **TypeDescriptorMergeXml** element.

### 3.1.4.112.1.2

#### BusinessDataCatalogSharedService\_TypeDescriptorMergeXml\_OutputMessage

The response WSDL message for the **TypeDescriptorMergeXml** WSDL operation.

The SOAP body contains the **TypeDescriptorMergeXmlResponse** element.

### 3.1.4.112.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
TypeDescriptorMergeXml	The input data for the <b>TypeDescriptorMergeXml</b> WSDL operation.
TypeDescriptorMergeXmlResponse	The result data for the <b>TypeDescriptorMergeXml</b> WSDL operation.

#### 3.1.4.112.2.1 TypeDescriptorMergeXml

The input data for the **TypeDescriptorMergeXml** WSDL operation.

```
<xs:element name="TypeDescriptorMergeXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentTypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:sequence>
</xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **TypeDescriptor** that conforms to the Business Data Connectivity Model File Format as specified in [\[MS-BDCMFFS\]](#) section 2.2.4.24.

**packgeContents:** Specifies the parts of the **TypeDescriptors** to be merged into the existing **TypeDescriptors**. The protocol server **MUST** use the following rules:

- If the "Properties" value is specified, the protocol server **MUST** merge the **Properties** for the corresponding **TypeDescriptors** for the specified **Setting**. During this merge, if a **Property** that has the same name and setting as the **Property** specified in the **MetadataModel** already exists for the specified **TypeDescriptor**, the protocol server **MUST** remove the existing **Property** and create a new **Property** that corresponds to the **Property** specified in the **MetadataModel**. If a **Property** with the specified name does not exist for the specified **TypeDescriptor**, the protocol server **MUST** create a new **Property** that corresponds to the **Property** specified in the **MetadataModel**.
- If the "Properties" value is not specified, the protocol server **MUST** ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server **MUST** merge the localized names for the corresponding **TypeDescriptor** for the specified **Setting**. During this merge, if a localized name that has the same LCID and **Setting** as the localized name specified by the **MetadataModel** already exists for the specified **TypeDescriptor**, the protocol server **MUST** remove the existing localized name and create a new localized name that corresponds to the localized name specified in the **MetadataModel**. If a localized name with the specified LCID and **Setting** does not exist for the specified **TypeDescriptor**, the protocol server **MUST** create a new localized name that corresponds to the localized name specified in the **MetadataModel**.
- If the "LocalizedNames" value is not specified, the protocol server **MUST** ignore localized names in the specified **MetadataModel**.

**parameterStruct:** The **Parameter** that contains the **TypeDescriptor** that is updated. The partition (1) of this **Parameter** **MUST** be the partition (1) or the protocol client.

**parentTypeDescriptorStruct:** The **TypeDescriptor** that contains the **TypeDescriptor** specified by the XML. The partition (1) of this **TypeDescriptor**, if it is specified, **MUST** be the partition (1) of the protocol client. This **TypeDescriptor** **MUST** be **NULL** if the **TypeDescriptor** specified by the XML is a root **TypeDescriptor**.

**settingId:** The **Setting** with which to merge the **Properties** and localized names. If the value is **NULL**, the protocol server **MUST** use the default **Setting** when performing this operation.

**callerCultureLcid:** This value **MUST** be ignored by the protocol server.

### 3.1.4.112.2 TypeDescriptorMergeXmlResponse

The result data for the **TypeDescriptorMergeXml** WSDL operation.

```
<xs:element name="TypeDescriptorMergeXmlResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="TypeDescriptorMergeXmlResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
    <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

**TypeDescriptorMergeXmlResult:** The **TypeDescriptor** into which the **Properties** and localized names were merged. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client.

**errors:** List of implementation-specific error messages that occurred while performing this operation.

### 3.1.4.112.3 Complex Types

None.

### 3.1.4.112.4 Simple Types

None.

### 3.1.4.112.5 Attributes

None.

### 3.1.4.112.6 Groups

None.

### 3.1.4.112.7 Attribute Groups

None.

### 3.1.4.113 TypeDescriptorReadXml

The **TypeDescriptorReadXml** operation creates the **TypeDescriptors** contained by the specified **MetadataModel**, along with their **Properties** and localized names, in the metadata store. The **MetadataModel** MUST be specified as a well-formed external parsed entity, as specified in [\[XML\]](#) section 4.3.2, and MUST have as a root element the **TypeDescriptor** element, as specified in [\[MS-BDCMFFS\]](#) section 2.1.4.25.

```

<wsdl:operation name="TypeDescriptorReadXml" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXml"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlResponse"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

```

```

edService/TypeDescriptorReadXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentNullExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises an [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error if the security principal (1) in whose context the protocol client is operating is not authorized to modify the Method containing the specified Parameter.

This operation raises a [PackageFormatExceptionState \(from namespace http://schemas.microsoft.com/windows/2007/BusinessDataCatalog\)](http://schemas.microsoft.com/windows/2007/BusinessDataCatalog) error if the "Model" value is not specified in the **packageContents** element.

This operation raises a [ArgumentException](http://schemas.datacontract.org/2004/07/System) (from namespace http://schemas.datacontract.org/2004/07/System) error under the following conditions:

- The data type referenced by a **TypeDescriptor** contained by the **MetadataModel** is invalid. This happens when the identifier of the data type is not in the correct format or the protocol server cannot access or load the specified data type.
- The specified **TypeDescriptor** is not contained by the specified **Parameter**.

This operation raises the [DuplicateMetadataObjectExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the specified **TypeDescriptor** already contains another **TypeDescriptor** with the same name as the **TypeDescriptor** that corresponds to the **MetadataModel**.

This operation raises the [ExceededMetadataObjectLimitExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under the following conditions:

- The specified **MetadataModel** contains a **TypeDescriptor** that contains more **TypeDescriptors** than the implementation-specific maximum number of **TypeDescriptors**.
- The specified **TypeDescriptor** contains the implementation-specific maximum number of **TypeDescriptors**.

This operation raises the [MetadataObjectNotFoundExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the specified **Parameter** or the specified **TypeDescriptor** does not exist.

This operation raises the [PackageFormatExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error under the following conditions:

- The specified XML does not conform to the format specified in [MS-BDCMFFS].
- The **Method** containing the specified **Parameter** does not contain the **FilterDescriptor** referenced by the specified **MetadataModel**.
- The specified **MetadataModel** contains a **TypeDescriptor** that has the **ReadOnly** flag set, and the specified **Parameter** has the **Direction** attribute set to "In".
- The specified **TypeDescriptor** is NULL, and the specified **Parameter** already has a root **TypeDescriptor**.
- The specified **TypeDescriptor** has the **IsCollection** flag set, and the **TypeDescriptor** that corresponds to the specified **MetadataModel** also has the **IsCollection** flag set.
- The specified **TypeDescriptor** has the **IsCollection** flag set and already contains a **TypeDescriptor**.
- The **MetadataModel** contains a **TypeDescriptor** that has the **IsCollection** flag set and contains another **TypeDescriptor** that has the **IsCollection** flag set.

### 3.1.4.113.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage	The request WSDL message for the <b>TypeDescriptorReadXml</b>



Message	Description
	WSDL operation.
BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage	The response WSDL message for the <b>TypeDescriptorReadXml</b> WSDL operation.

### 3.1.4.113.1.1

#### BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_InputMessage

The request WSDL message for the **TypeDescriptorReadXml** WSDL operation.

The SOAP action value is:

```
http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXml
```

The SOAP body contains the **TypeDescriptorReadXml** element.

### 3.1.4.113.1.2

#### BusinessDataCatalogSharedService\_TypeDescriptorReadXml\_OutputMessage

The response WSDL message for the **TypeDescriptorReadXml** WSDL operation.

The SOAP body contains the **TypeDescriptorReadXmlResponse** element.

### 3.1.4.113.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
TypeDescriptorReadXml	The input data for the <b>TypeDescriptorReadXml</b> WSDL operation.
TypeDescriptorReadXmlResponse	The result data for the <b>TypeDescriptorReadXml</b> WSDL operation.

#### 3.1.4.113.2.1 TypeDescriptorReadXml

The input data for the **TypeDescriptorReadXml** WSDL operation.

```
<xs:element name="TypeDescriptorReadXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentTypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
</xs:complexType>
</xs:element>
```

**xml:** The XML representation of the **MetadataModel** that conforms to the Business Data Connectivity Model file format specified in [\[MS-BDCMFFS\]](#).

**packageContents:** Specifies the part of the **MetadataModel** to be created. The protocol server MUST use the following rules:

- If the "Properties" value is specified, the protocol server MUST create the specified **Properties** for the corresponding **MetadataObjects**.
- If the "Properties" value is not specified, the protocol server MUST ignore **Properties** in the specified **MetadataModel**.
- If the "LocalizedNames" value is specified, the protocol server MUST create the specified localized names for the corresponding **MetadataObjects**.

If the "LocalizedNames" value is not specified, the protocol server MUST ignore localized names in the specified **MetadataModel**.

**parameterStruct:** The **Parameter** in which to create the **TypeDescriptors** contained by the **MetadataModel**. The partition (1) of this **Parameter** MUST be the partition (1) of the protocol client.

**parentTypeDescriptorStruct:** The **TypeDescriptor** in which to create the **TypeDescriptors** contained by the **MetadataModel**. The value of this element MUST be NULL if the **MetadataModel** contains the root **TypeDescriptor** of the **Parameter**. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client.

**callerCultureLcid:** This value MUST be ignored by the protocol server.

### 3.1.4.113.2.2 TypeDescriptorReadXmlResponse

The result data for the **TypeDescriptorReadXml** WSDL operation.

```
<xs:element name="TypeDescriptorReadXmlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="TypeDescriptorReadXmlResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**TypeDescriptorReadXmlResult:** The **TypeDescriptor** from the metadata store that is corresponding to the specified **MetadataModel**. The partition (1) of this **TypeDescriptor** MUST be the partition (1) of the protocol client.

**errors:** The list of implementation-specific error messages corresponding to the errors encountered during this operation, as well as other implementation-specific informational messages related to the operation.

### 3.1.4.113.3 Complex Types

None.

### 3.1.4.113.4 Simple Types

None.

### 3.1.4.113.5 Attributes

None.

### 3.1.4.113.6 Groups

None.

### 3.1.4.113.7 Attribute Groups

None.

### 3.1.4.114 Update

The **Update** operation updates a `MetadataObject` in the metadata store.

```
<wsdl:operation name="Update" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Update" message="i0:BusinessDataCatalogSharedService_Update_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateResponse" message="i0:BusinessDataCatalogSharedService_Update_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Update_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_Update_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Update_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_Update_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_Update_ArgumentExceptionFault_FaultMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
```

```
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_Update_ArgumentNullExceptionFault_FaultMessage"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>
```

The protocol client sends a **BusinessDataCatalogSharedService\_Update\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_Update\_OutputMessage** response message, unless any faults occur.

If any one of the following conditions is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

This operation raises the [AccessDeniedExceptionState \(from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure\)](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure) error if the security principal (1) in whose context the protocol client is operating is not authorized to modify the specified **MetadataObject**.

This operation raises the [ArgumentException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System) error under either of the following conditions:

- The specified **MetadataObject** name is "NULL" or empty.
- The length of the specified **MetadataObject** name exceeds 255 characters.

This operation raises the [ConcurrentModificationExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData) error if the specified **MetadataObject** has been updated by a context other than the one that it has been currently read by. This happens when the specified object version is not equal to the current object version of the **MetadataObject**. For example, this error can be raised when one context reads the **MetadataObject**, another context updates the same **MetadataObject**, and then the original context tries to update the same **MetadataObject**.

This operation raises the [DuplicateMetadataObjectExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData) error if the parent **MetadataObject** contains another **MetadataObject** with the same **MetadataObject** name.

This operation raises the [ExceededMetadataObjectLimitExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData) error if

the parent of the specified **MetadataObject** already contains the implementation-specific maximum number of **MetadataObjects** of the same type as the specified **MetadataObject**.

This operation raises the [InvalidMetadataObjectExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData) error under the following conditions:

The specified **MetadataObject** is a root **TypeDescriptor** and is being updated to be part of a **Parameter** that already has a root **TypeDescriptor**.

- The specified **MetadataObject** is a **TypeDescriptor** that has its **Parameter** being changed to the specified **Parameter**, and the specified **Parameter** already has a root **TypeDescriptor**. <115>

- The specified **MetadataObject** is a **TypeDescriptor**, and the **IsCollection** flag cannot be set on a **TypeDescriptor** if its containing **TypeDescriptor** also has the **IsCollection** flag set.
- The specified **MetadataObject** is a **TypeDescriptor**, and a **TypeDescriptor** with the **IsCollection** flag set can only contain one **TypeDescriptor**.
- The specified **MetadataObject** is a **TypeDescriptor**, and the **FilterDescriptor** associated with the specified **TypeDescriptor** is not defined for the **Method** that contains the **Parameter** containing the specified **TypeDescriptor**.
- The specified **MetadataObject** is a **TypeDescriptor**, and the **Parameter** containing the containing **TypeDescriptor** is different from the **Parameter** containing the specified **TypeDescriptor**.
- The specified **MetadataObject** is a **TypeDescriptor**, and the **Parameter** containing the specified **TypeDescriptor** has a **TypeDescriptor** hierarchy deeper than an implementation-specific, maximum-allowed depth.
- The specified **MetadataObject** is a **TypeDescriptor**, and the **Parameter** containing the specified **TypeDescriptor** has the **Direction** attribute set to "In". However, the specified **TypeDescriptor** has "Read-Only" for the **TypeDescriptorFlags** attribute.
- The operation cannot be performed because the specified **MetadataObject** is the **FilterDescriptor**, and one of the following conditions exists:
  - The **Method** associated with the specified **FilterDescriptor** already contains a **FilterDescriptor** of type **TimeStampFilter**, and the specified **FilterDescriptor** is being changed to a **FilterDescriptor** of type **TimeStampFilter**.

The **Method** that contains the specified **FilterDescriptor** also contains a **MethodInstance** of type **ChangedIdEnumerator** or **DeletedIdEnumerator**, and the type of the **FilterDescriptor** is being changed from **TimeStampFilter** to another type.

This operation raises the [InvalidOperationException \(from namespace http://schemas.datacontract.org/2004/07/System\)](http://schemas.datacontract.org/2004/07/System) error under the following conditions:

- The operation cannot be performed because the specified **MetadataObject** is an **Association** or a **MethodInstance** contained by an active **Entity**.<116>

The operation cannot be performed because the specified **MetadataObject** is an **Entity**, that has its name or namespace being updated, and another **Entity** with the specified name and namespace is currently being referenced by other **MetadataObjects**.

This operation raises the **MetadataException** (from namespace **Microsoft.SharePoint.BusinessData**) error under the following conditions:

- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the specified type for the **MethodInstance** in the request message requires a **Parameter** with the **Direction** attribute set to "In" or "InOut" to be present on the **Method** containing the specified **Association** or **MethodInstance**. However, the specified type for the existing **MethodInstance** on the protocol server does not require such a **Parameter**.
- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the **Parameter** of the specified **ReturnTypeDescriptor** is not contained by the same **Method** as the specified **Association** or **MethodInstance**.

- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the **Parameter** containing the specified **ReturnPropertyDescriptor** has the **Direction** attribute set to "In".
- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the **ReturnPropertyDescriptor** is required for **MethodInstance** if the type of **MethodInstance** is one of the following values. However, it is passed in as NULL or zero.
  - AccessChecker
  - AssociationNavigator
  - ChangedIdEnumerator
  - DeletedIdEnumerator
  - Finder
  - IdEnumerator
  - Scalar
  - SpecificFinder
  - StreamAccessor
- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the **ReturnPropertyDescriptor** is required to not contain any **TypeDescriptors** for the specified type of the **MethodInstance**.
- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the **ReturnPropertyDescriptor** is required to have the **IsCollection** flag set for the specified type of the **MethodInstance**.
- The specified **MetadataObject** is an **Association** or a **MethodInstance**, and the **ReturnPropertyDescriptor** is required to have the **IsCollection** flag not set for the specified type of the **MethodInstance**. This is the case if the specified type of **MethodInstance** is one of the following values:
  - ChangedIdEnumerator
  - DeletedIdEnumerator
  - Finder
  - IdEnumerator
- The specified **MetadataObject** is a **Parameter**, and the specified **Parameter** cannot have the **Direction** attribute set to "In" because the specified **Parameter** contains a **ReturnPropertyDescriptor** of a **MethodInstance**.

The specified **MetadataObject** is a **Parameter**, and the **Method** that contains the specified **Parameter** already contains a **Parameter** with the **Direction** attribute set to "Return".

The specified **MetadataObject** is a **Parameter**, and the specified **Parameter** cannot have the **Direction** attribute set to "In" because one of the **TypeDescriptors** contained by the specified **Parameter** has the "Read-Only" value set in the **TypeDescriptorFlags** attribute.

- The specified **MetadataObject** is an **Entity**, and the specified CacheUsage or Version is invalid.

- The specified **MetadataObject** is a **Parameter**, and the specified direction is invalid.
- The specified **MetadataObject** is a **MethodInstance**, and the specified type is invalid.
- The specified **MetadataObject** is a **TypeDescriptor**, and the specified flags are invalid.
- The specified **MetadataObject** is a **MethodInstance** and the **TypeDescriptor** that contains the **ReturnTypeDescriptor** is required not to contain any other **TypeDescriptors** for **MethodInstance** of **StreamAccessor** type, and the type for the **LobSystem** containing the **Entity** containing **MethodInstance** of **StreamAccessor** type is **DataBase**.
- The specified **MetadataObject** is a **MethodInstance**, and one of the following conditions is true:
  - The type of the specified **MethodInstance** is **IdEnumerator**, and the **DataClass** that contains the specified **MethodInstance** already contains another **MethodInstance** of type **IdEnumerator**.
  - The type of the specified **MethodInstance** is **AccessChecker**, and the **DataClass** that contains the specified **MethodInstance** already contains another **MethodInstance** of type **AccessChecker**.
  - The type of the specified **MethodInstance** is **Deleter**, and the **DataClass** that contains the specified **MethodInstance** already contains another **MethodInstance** of type **Deleter**.
  - The type of the specified **MethodInstance** is **ChangedIdEnumerator**, and the **DataClass** that contains the specified **MethodInstance** already contains another **MethodInstance** of type **ChangedIdEnumerator**.
  - The type of the specified **MethodInstance** is **DeletedIdEnumerator**, and the **DataClass** that contains the specified **MethodInstance** already contains another **MethodInstance** of type **DeletedIdEnumerator**.
  - The type of the specified **MethodInstance** is **BulkIdEnumerator**, and the **DataClass** that contains the specified **MethodInstance** already contains another **MethodInstance** of type **BulkIdEnumerator**.<117>

This operation raises the [MetadataObjectNotFoundExceptionState \(from namespace Microsoft.SharePoint.BusinessData\)](#) error if the specified **MetadataObject** does not exist.

Upon successful completion of this operation, the protocol server MUST increment the object version of any **MetadataObjects** that it updated. If the incremented object version of the **MetadataObject** is greater than or equal to an implementation-specific maximum value, the protocol server MUST set the object version of the updated **MetadataObjects** to zero.

If the **metadataObjectStruct** element specifies any of the **MetadataObjects** in the following table, the protocol server MUST perform the corresponding actions, in addition to updating the specified **MetadataObject** in the metadata store.

MetadataObject	Action
<b>Parameter</b>	<p>If the <b>ordinalNumber</b> attribute of the specified <b>Parameter</b> is the same as the <b>ordinalNumber</b> attribute of another <b>Parameter</b> contained by the <b>Method</b> containing the specified <b>Parameter</b>, then the <b>ordinalNumber</b> attribute of <b>Parameters</b> contained by that <b>Method</b> that have the <b>ordinalNumber</b> attribute greater than or equal to the <b>ordinalNumber</b> attribute of the specified <b>Parameter</b> MUST be incremented.</p> <p>After the operation completes, all <b>Parameters</b> contained by the <b>Method</b> containing</p>

MetadataObject	Action
	the specified <b>Parameter</b> MUST have <b>ordinalNumber</b> attributes in the range from zero to $n-1$ , where $n$ is the number of <b>Parameters</b> contained by that <b>Method</b> . <b>Parameters</b> not contained by the <b>Method</b> that contains the specified <b>Parameter</b> MUST NOT have their <b>ordinalNumber</b> attributes altered. <118>
<b>MethodInstance</b>	When the <b>isDefault</b> attribute of the specified <b>MethodInstance</b> is set to "true", the protocol server MUST set the <b>isDefault</b> attribute of all other <b>MethodInstances</b> that have the same value for the <b>MethodInstanceType</b> attribute in the containing <b>DataClass</b> to "false". When the <b>isDefault</b> attribute of the specified <b>MethodInstance</b> is set to "false" (and it was previously set to "true"), the protocol server SHOULD <119> set the <b>isDefault</b> attribute of a <b>MethodInstance</b> with the same value for <b>MethodInstanceType</b> in the containing <b>DataClass</b> to "true". The protocol server MUST determine the <b>MethodInstance</b> to alter, based on an implementation-specific algorithm.

### 3.1.4.114.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_Update_InputMessage	The request WSDL message for the <b>Update</b> WSDL operation.
BusinessDataCatalogSharedService_Update_OutputMessage	The response WSDL message for the <b>Update</b> WSDL operation.

#### 3.1.4.114.1.1 BusinessDataCatalogSharedService\_Update\_InputMessage

The request WSDL message for the **Update** WSDL operation.

The SOAP action value is:

<http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Update>

The SOAP body contains the **Update** element.

#### 3.1.4.114.1.2 BusinessDataCatalogSharedService\_Update\_OutputMessage

The response WSDL message for the **Update** WSDL operation.

The SOAP body contains the **UpdateResponse** element.

### 3.1.4.114.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
Update	The input data for the <b>Update</b> WSDL operation.



Element	Description
UpdateResponse	The result data for the <b>Update</b> WSDL operation.

### 3.1.4.114.2.1 Update

The input data for the **Update** WSDL operation.

```
<xs:element name="Update" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The MetadataObject to update. The MetadataObjectId and the partition (1) of the specified **MetadataObject** MUST be used to identify the **MetadataObject** to update. The remaining values of the specified **MetadataObject** MUST be used to update the values associated with the identified **MetadataObject** in the metadata store.

### 3.1.4.114.2.2 UpdateResponse

The result data for the **Update** WSDL operation.

```
<xs:element name="UpdateResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="UpdateResult" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**UpdateResult:** The updated MetadataObject.

### 3.1.4.114.3 Complex Types

None.

### 3.1.4.114.4 Simple Types

None.

### 3.1.4.114.5 Attributes

None.

### 3.1.4.114.6 Groups

None.

### 3.1.4.114.7 Attribute Groups

None.

### 3.1.4.115 WriteSlicedXml

The **WriteSlicedXml** operation retrieves an implementation-specific string corresponding to the specified LobSystem or Model, <120> along with its included MetadataObjects. This operation can also optionally retrieve the localized names, **Properties**, and ACEs in all Settings. The protocol client typically uses this operation to back up a **Model** or an **LobSystem** in a specified partition (1). The **ReadSlicedXml** operation, as specified in section 3.1.4.100, can be used to restore the **Model** or **LobSystem** by specifying the string returned from this operation.

```
<wsdl:operation name="WriteSlicedXml" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXml"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:output
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlResponse"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage"
    xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_InvalidOperationExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlArgumentOutOfRangeExceptionFault"
    name="ArgumentOutOfRangeExceptionFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_BdcExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_AccessDeniedExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_MetadataExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlPackageFormatExceptionStateFault"
    name="PackageFormatExceptionStateFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_PackageFormatExceptionStateFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
  <wsdl:fault
    wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
    message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentExceptionFault_FaultMessage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>

```

```

<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentNullExceptionFault_FaultM
essage" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"/>
</wsdl:operation>

```

The protocol client sends a **BusinessDataCatalogSharedService\_WriteSlicedXml\_InputMessage** request message, and the protocol server MUST respond with a **BusinessDataCatalogSharedService\_WriteSlicedXml\_OutputMessage** response message, unless any faults occur.

If any one of the conditions in the following table is met, the protocol server MUST instead respond with a SOAP fault containing the corresponding error complex type, serialized as specified in section 2.2.4. If more than one error condition is encountered, the protocol server MUST respond with exactly one error complex type, determined in an implementation-specific manner.

Error complex type	Condition
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infras tructure">AccessDeniedExceptionState (from namespace http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infras tructure)</a>	The security principal (1) in whose context the protocol client operates is not authorized to modify the specified <b>Model</b> or <b>LobSystem</b> and the <b>CameThroughRemoteAdminSer vice</b> header specified in section 3.1 is present in the SOAP request.
<a href="http://schemas.datacontract.org/2004/07/System">ArgumentException (from namespace http://schemas.datacontract.org/2004/07/System)</a>	The "InlineProxies" value requires the "Model" value to also be specified for the <b>packageContents</b> element.

### 3.1.4.115.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage	The request WSDL message for the <b>WriteSlicedXml</b> WSDL operation.
BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage	The response WSDL message for the <b>WriteSlicedXml</b> WSDL operation.

#### 3.1.4.115.1.1 BusinessDataCatalogSharedService\_WriteSlicedXml\_InputMessage

The request WSDL message for the **WriteSlicedXml** WSDL operation.

The SOAP action value is:

The SOAP body contains the **WriteSlicedXml** element.

### 3.1.4.115.1.2

#### **BusinessDataCatalogSharedService\_WriteSlicedXml\_OutputMessage**

The response WSDL message for the **WriteSlicedXml** WSDL operation.

The SOAP body contains the **WriteSlicedXmlResponse** element.

### 3.1.4.115.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
WriteSlicedXml	The input data for the <b>WriteSlicedXml</b> WSDL operation.
WriteSlicedXmlResponse	The result data for the <b>WriteSlicedXml</b> WSDL operation.

#### 3.1.4.115.2.1 WriteSlicedXml

The input data for the **WriteSlicedXml** WSDL operation.

```
<xs:element name="WriteSlicedXml" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**metadataObjectStruct:** The LobSystem or Model to be retrieved. The partition (1) of this **Model** or **LobSystem** MUST be the partition (1) of the protocol client.

**packageContents:** This value of this element SHOULD [<121>](#) be set to "All".

#### 3.1.4.115.2.2 WriteSlicedXmlResponse

The result data for the **WriteSlicedXml** WSDL operation.

```
<xs:element name="WriteSlicedXmlResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="WriteSlicedXmlResult" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

**WriteSlicedXmlResult:** An implementation-specific string representing the specified Model or LobSystem.

#### **3.1.4.115.3 Complex Types**

None.

#### **3.1.4.115.4 Simple Types**

None.

#### **3.1.4.115.5 Attributes**

None.

#### **3.1.4.115.6 Groups**

None.

#### **3.1.4.115.7 Attribute Groups**

None.

#### **3.1.5 Timer Events**

None.

#### **3.1.6 Other Local Events**

None.

## 4 Protocol Examples

The following examples describe the process of communication between the protocol server and protocol client. In conjunction with the protocol specification in this document, this information is intended to provide a comprehensive view of how the protocol client operates with the protocol server when running such an operation.

The examples in this section manipulate LobSystem and Entities. However, the concepts illustrated apply equally to other MetadataObjects.

### 4.1 Creating an LobSystem

This example illustrates how a user can create an LobSystem in the metadata store.

The following actions are carried out:

1. The user requests the protocol client to create an **LobSystem** named ExampleCRM.
2. The protocol client uses the **MetadataObjectCreate** operation as shown in the following code example.

```
// Assumes a service reference to the Business Data Connectivity shared service has
been created.

// Instantiates the Business Data Connectivity SharedService client.
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();

// Instantiates the AdministrationMetadataCatalogStruct complex type.
BDCServiceReference.AdministrationMetadataCatalogStruct myBDC = new
BDCServiceReference.AdministrationMetadataCatalogStruct();
myBDC.id = 1;

Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");
myBDC.partitionId = myPartition;

// Instantiates the LobSystem object.
BDCServiceReference.LobSystemStruct myLob = new BDCServiceReference.LobSystemStruct();

// Sets up the LobSystem object.
myLob.partitionId = myPartition;
myLob.name = "ExampleCRM";
myLob.systemType = BDCServiceReference.SystemType.Database;

// Uses the MetadataObjectCreate operation to create the LobSystem.
myClient.MetadataObjectCreate(myLob, myBDC);
```

Request body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/MetadataObjectCreate</a:Action>
    <a:MessageID>urn:uuid:07dfbc23-b362-4f6d-b991-f0c3a0072d33</a:MessageID>
```

```

    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To s:mustUnderstand="1">
      http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
    </s:Header>
    <s:Body>
      <MetadataObjectCreate xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
        <rawValues i:type="b:LobSystemStruct" xmlns:b="Microsoft.SharePoint.BusinessData"
          xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <b:id>0</b:id>
          <b:isCached>>false</b:isCached>
          <b:name>ExampleCRM</b:name>
          <b:objectVersion>0</b:objectVersion>
          <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
          <b:systemType>Database</b:systemType>
        </rawValues>
        <parentStruct i:type="b:AdministrationMetadataCatalogStruct"
          xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
          instance">
          <b:id>1</b:id><b:isCached>>false</b:isCached><b:name
          i:nil="true"/><b:objectVersion>0</b:objectVersion><b:partitionId>0c37852b-34d0-418e-91c6-
          2ac25af4be5b</b:partitionId>
        </parentStruct>
      </MetadataObjectCreate>
    </s:Body>
  </s:Envelope>

```

#### Response body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
  xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
      s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
      alogSharedService/MetadataObjectCreateResponse</a:Action>
    <a:RelatesTo>urn:uuid:07dfbc23-b362-4f6d-b991-f0c3a0072d33</a:RelatesTo>
  </s:Header>
  <s:Body>
    <MetadataObjectCreateResponse
      xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <MetadataObjectCreateResult i:type="b:LobSystemStruct"
        xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
        instance">
        <b:id>105</b:id>
        <b:isCached>>false</b:isCached>
        <b:name>ExampleCRM</b:name>
        <b:objectVersion>0</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:systemType>Database</b:systemType>
      </MetadataObjectCreateResult>
    </MetadataObjectCreateResponse>
  </s:Body>
</s:Envelope>

```

## 4.2 Setting the Security Information of a MetadataObject

This example illustrates how a user can set security information for an LobSystem.

This example assumes that the preceding example has successfully finished.

The following actions are carried out:

1. The user requests the protocol client to set ACEs on the **LobSystem** named ExampleCRM.
2. The protocol client uses the **SetAccessControlEntries** operation as shown in the following code.

```
//This method shows how to set the ACL entries on an entity
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient;
BDCServiceReference.LobSystemStruct myLob;
BDCServiceReference.AccessControlEntryStruct[] myACLs;
BDCServiceReference.AccessControlEntryStruct myACL;

//Instantiate the BDCSharedServiceClient
myClient = new BDCServiceReference.BusinessDataCatalogSharedServiceClient();

//First get the metadataobject with the name
myLob = new BDCServiceReference.LobSystemStruct();
Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");
myLob = myClient.GetLobSystemByName("ExampleCRM", myPartition);

//setup the ACL object
myACL = new ConsoleApplication1.BDCServiceReference.AccessControlEntryStruct();
myACL.rights = 23;
myACL.principalName = "Domain\\UserName";
myACL.principalDisplayName = "UserName";

myACLs = new ConsoleApplication1.BDCServiceReference.AccessControlEntryStruct[] {
myACL };

// set the ACL on the metadataobject by calling the SetAccessControlEntries method
myClient.SetAccessControlEntries(myLob, myACLs, null);
```

Request body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/SetAccessControlEntries</a:Action>
    <a:MessageID>urn:uuid:e6be3000-2833-4f14-a074-4d2d3728ab03</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To s:mustUnderstand="1">
http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
  </s:Header>
  <s:Body>
    <SetAccessControlEntries
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="b:LobSystemStruct"
xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <b:id>105</b:id>
        <b:isCached>false</b:isCached>
        <b:name>ExampleCRM</b:name>
```



```

    <b:objectVersion>0</b:objectVersion>
    <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
    <b:systemType>Database</b:systemType>
  </metadataObjectStruct>
  <accessControlEntries xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
    <b:AccessControlEntryStruct>
      <b:principalBinaryForm i:nil="true"/>
      <b:principalDisplayName>UserName</b:principalDisplayName>
      <b:principalName>Domain\UserName</b:principalName>
      <b:rights>23</b:rights>
    </b:AccessControlEntryStruct>
  </accessControlEntries>
  <settingId i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
</SetAccessControlEntries>
</s:Body>
</s:Envelope>

```

#### Response body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/SetAccessControlEntriesResponse</a:Action>
    <a:RelatesTo>urn:uuid:e6be3000-2833-4f14-a074-4d2d3728ab03</a:RelatesTo>
  </s:Header>
  <s:Body>
    <SetAccessControlEntriesResponse
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>

```

### 4.3 Reading the Security Information of a MetadataObject

This example illustrates how a user can read the ACEs of an LobSystem.

This example assumes that the preceding examples have successfully finished.

The following actions are carried out:

1. The user requests the protocol client to read ACEs for the **LobSystem** named ExampleCRM.
2. The protocol client uses the **GetAccessControlEntries** operation as shown in the following code.

```

//This method shows how to set the ACL entries on an entity.
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient;
BDCServiceReference.LobSystemStruct myLob;
BDCServiceReference.AccessControlEntryStruct[] myACLs;

//Instantiates the BDCSharedServiceClient.
myClient = new BDCServiceReference.BusinessDataCatalogSharedServiceClient();

Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

```

```

//Obtain the metadaobject with the name.
myLob = new BDCServiceReference.LobSystemStruct();
myLob = myClient.GetLobSystemByName("ExampleCRM", myPartition);

//Read the ACL entries on the entity
myACLs = myClient.GetAccessControlEntries(myLob, null, true);

```

### Request body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntries</a:Action>
    <a:MessageID>urn:uuid:8a759af3-b45c-437b-ad53-0439cd70f9b3</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To
s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
  </s:Header>
  <s:Body>
    <GetAccessControlEntries
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="b:LobSystemStruct"
xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:id>105</b:id>
        <b:isCached>>false</b:isCached>
        <b:name>ExampleCRM</b:name>
        <b:objectVersion>0</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:systemType>Database</b:systemType>
      </metadataObjectStruct>
      <settingId i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
      <fallback>true</fallback>
    </GetAccessControlEntries>
  </s:Body>
</s:Envelope>

```

### Response body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesResponse</a:Action>
    <a:RelatesTo>urn:uuid:8a759af3-b45c-437b-ad53-0439cd70f9b3</a:RelatesTo>
  </s:Header>
  <s:Body>
    <GetAccessControlEntriesResponse
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <GetAccessControlEntriesResult xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:AccessControlEntryStruct>

```

```

        <b:principalBinaryForm i:nil="true"/>
        <b:principalDisplayName>UserName</b:principalDisplayName>
        <b:principalName>Domain\UserName</b:principalName>
        <b:rights>23</b:rights>
    </b:AccessControlEntryStruct>
</GetAccessControlEntriesResult>
</GetAccessControlEntriesResponse>
</s:Body>
</s:Envelope>

```

#### 4.4 Creating an Entity

This example illustrates how a user can create an Entity in the metadata store.

The example assumes that:

- An **LobSystem** that contains the **Entity** is already created in the metadata store.
- The **LobSystem** is named ExampleCRM.
- The **PartitionId** used when creating the **LobSystem** is 0C37852B-34D0-418E-91C6-2AC25AF4BE5B.
- The **LobSystem** has an ACE associated with it.

The following actions are carried out:

1. The user requests the protocol client to create an **Entity** named Customer in the namespace example.com with an estimated instance count of 100.
2. The protocol client uses the **EntityCreate** operation as shown in the following code example.

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();

Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

//Obtain the LOB system before creating the entity.
BDCServiceReference.LobSystemStruct myLob = new BDCServiceReference.LobSystemStruct();
myLob = myClient.GetLobSystemByName("ExampleCRM", myPartition);

//Instantiate the entity object.
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();

//Set properties.
myEntity.name = "Customer";
myEntity.@namespace = "example.com";
myEntity.isCached = true;
myEntity.objectVersion = 0;
System.Version ver = new Version(1,0,0,0);
myEntity.version = ver;
myEntity.partitionId = myPartition;
myEntity.estimatedInstanceCount = 100;

//Create the entity.
myClient.EntityCreate(myEntity,myLob,null);

```

3. The protocol server creates the **Entity** in the metadata store.
4. The protocol server copies the ACE of the **LobSystem** and associates it with the newly created **Entity**.

Request body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
      xmlns:a="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreate" />
    <a:MessageID>urn:uuid:b0e7d48b-3a23-486c-85a8-82eed5c81168</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To>
      s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
    </s:Header>
    <s:Body>
      <EntityCreate xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
        <rawValues xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <b:id>0</b:id>
          <b:isCached>true</b:isCached>
          <b:name>Customer</b:name>
          <b:objectVersion>0</b:objectVersion>
          <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
          <b:active>>false</b:active>
          <b:lobSystemId>0</b:lobSystemId>
          <b:modelId>0</b:modelId>
          <b:namespace>example.com</b:namespace>
          <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
            <c:_Build>0</c:_Build>
            <c:_Major>1</c:_Major>
            <c:_Minor>0</c:_Minor>
            <c:_Revision>0</c:_Revision>
          </b:version>
          <b:cacheUsage>Default</b:cacheUsage>
          <b:description i:nil="true"/>
          <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
        </rawValues>
        <lobSystemStruct xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <b:id>105</b:id>
          <b:isCached>>false</b:isCached>
          <b:name>ExampleCRM</b:name>
          <b:objectVersion>0</b:objectVersion>
          <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
          <b:systemType>Database</b:systemType>
        </lobSystemStruct>
        <modelStruct i:nil="true" xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
      </EntityCreate>
    </s:Body>
  </s:Envelope>
```

## Response body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/EntityCreateResponse</a:Action>
    <a:RelatesTo>urn:uuid:b0e7d48b-3a23-486c-85a8-82eed5c81168</a:RelatesTo>
  </s:Header>
  <s:Body>
    <EntityCreateResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <EntityCreateResult xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Customer</b:name>
        <b:objectVersion>0</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:active>false</b:active>
        <b:lobSystemId>105</b:lobSystemId>
        <b:modelId>0</b:modelId>
        <b:namespace>example.com</b:namespace>
        <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
          <c:_Build>0</c:_Build>
          <c:_Major>1</c:_Major>
          <c:_Minor>0</c:_Minor>
          <c:_Revision>0</c:_Revision>
        </b:version>
        <b:cacheUsage>Default</b:cacheUsage>
        <b:description i:nil="true"/>
        <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
      </EntityCreateResult>
    </EntityCreateResponse>
  </s:Body>
</s:Envelope>
```

## 4.5 Activating an Entity

This example illustrates how a user can set a version of an Entity to be active in the metadata store.

This example assumes that:

- The preceding examples have successfully finished.
- After successfully creating the **Customer Entity**, the user has added some other MetadataObjects to it, such as an Identifier, a Method, and so on.

The following actions are carried out:

1. The user requests the protocol client to activate **Entity** named Customer in the namespace example.com with the **PartitionID** 0C37852B-34D0-418E-91C6-2AC25AF4BE5B.
2. The protocol client uses the **Activate** operation as shown in the following code example.

```
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
```

```

System.Version ver = new Version(1,0,0,0);

myEntity = myClient.GetEntityWithNameAndNamespaceAndVersion("example.com", "Customer",
ver, partition);

BDCServiceReference.EntityStruct activeent = myClient.Activate(myEntity);

```

3. The protocol server checks whether the **Entity** exists in the metadata store.
4. If it exists, the protocol server marks the **Entity** as active. All references to the **Entity** being activated are bound correctly.

**Request body:**

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/Activate</a:Action>
    <a:MessageID>urn:uuid:351c762f-9a6f-4bc9-a208-9049c347c23d</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To s:mustUnderstand="1">http://ExampleSharePointServerURL/bdcservice.svc</a:To>
  </s:Header>
  <s:Body>
    <Activate xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <entityStruct xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Customer</b:name>
        <b:objectVersion>0</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:active>true</b:active>
        <b:lobSystemId>105</b:lobSystemId>
        <b:modelId>0</b:modelId>
        <b:namespace>example.com</b:namespace>
        <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
          <c:_Build>0</c:_Build>
          <c:_Major>1</c:_Major>
          <c:_Minor>0</c:_Minor>
          <c:_Revision>0</c:_Revision>
        </b:version>
        <b:cacheUsage>Default</b:cacheUsage>
        <b:description i:nil="true"/>
        <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
      </entityStruct>
    </Activate>
  </s:Body>
</s:Envelope>

```

**Response body:**

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">

```

```

<s:Header>
  <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/ActivateResponse</a:Action>
  <a:RelatesTo>urn:uuid:d15e58ca-2cb9-4528-86f3-728a00f6c643</a:RelatesTo>
</s:Header>
<s:Body>
  <ActivateResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
    <ActivateResult xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
      <b:id>106</b:id>
      <b:isCached>true</b:isCached>
      <b:name>Customer</b:name>
      <b:objectVersion>1</b:objectVersion>
      <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
      <b:active>true</b:active>
      <b:lobSystemId>105</b:lobSystemId>
      <b:modelId>0</b:modelId>
      <b:namespace>example.com</b:namespace>
      <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
        <c:_Build>0</c:_Build>
        <c:_Major>1</c:_Major>
        <c:_Minor>0</c:_Minor>
        <c:_Revision>0</c:_Revision>
      </b:version>
      <b:cacheUsage>Default</b:cacheUsage>
      <b:description i:nil="true"/>
      <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
    </ActivateResult>
  </ActivateResponse>
</s:Body>
</s:Envelope>

```

## 4.6 Reading an Entity

This example shows how a user can read an Entity in the metadata store.

The example assumes that the preceding example has successfully finished.

The following actions are carried out:

1. The user requests the protocol client to read an **Entity** named Customer in the namespace example.com from the metadata store.
2. The protocol client uses the **GetEntityWithNameAndNamespace** operation as shown in the following code example.

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

```

3. The protocol server checks whether the **Entity** exists in the metadata store.

4. If it exists, the protocol server retrieves the attributes of the stored **Entity**.

5. The protocol server returns an **Entity** object to the protocol client.

Request body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespace</a:Action>
    <a:MessageID>urn:uuid:ec500dff-4a57-423f-b2d0-28822ca7a18f</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To
s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
  </s:Header>
  <s:Body>
    <GetEntityWithNameAndNamespace
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <namespace>example.com</namespace>
      <name>Customer</name>
      <partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</partitionId>
    </GetEntityWithNameAndNamespace>
  </s:Body>
</s:Envelope>
```

Response body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntityWithNameAndNamespaceResponse</a:Action>
    <a:RelatesTo>urn:uuid:ec500dff-4a57-423f-b2d0-28822ca7a18f</a:RelatesTo>
  </s:Header>
  <s:Body>
    <GetEntityWithNameAndNamespaceResponse
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <GetEntityWithNameAndNamespaceResult xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Customer</b:name>
        <b:objectVersion>1</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:active>true</b:active>
        <b:lobSystemId>105</b:lobSystemId>
        <b:modelId>0</b:modelId>
        <b:namespace>example.com</b:namespace>
        <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
          <c:_Build>0</c:_Build>
          <c:_Major>1</c:_Major>
          <c:_Minor>0</c:_Minor>
          <c:_Revision>0</c:_Revision>
        </b:version>
      </GetEntityWithNameAndNamespaceResult>
    </GetEntityWithNameAndNamespaceResponse>
  </s:Body>
</s:Envelope>
```



```

        </b:version>
        <b:cacheUsage>Default</b:cacheUsage>
        <b:description i:nil="true"/>
        <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
    </GetEntityWithNameAndNamespaceResult>
</GetEntityWithNameAndNamespaceResponse>
</s:Body>
</s:Envelope>

```

## 4.7 Creating Properties for MetadataObjects

This example shows how a user can create **Properties** for an Entity in the metadata store. The concepts can be applied to any other MetadataObject.

The example assumes that the preceding examples have successfully finished.

The following actions are carried out:

1. The user requests the protocol client to create a **Property** for the **Entity** named Customer in the namespace example.com.
2. To add a custom **Property** named CustomerAlternateName, the protocol client uses the **SaveProperty** operation as shown in the following code example.

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
BDCServiceReference.PropertyStruct myProperty = new
BDCServiceReference.PropertyStruct();
System.Version ver = new Version(1,0,0,0);
Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

//Get the entity object using the name and namespace
myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

//Setup the Property object
myProperty.name = "CustomerAlternateName";
myProperty.typeName = "System.String";
myProperty.settingId = null;

//Add the custom propety to the entity object
myClient.SaveProperty(myEntity, myProperty);

```

Request body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/SaveProperty</a:Action>
    <a:MessageID>urn:uuid:00de94cd-c05e-4caa-81fb-bbceec7512f1</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
  </s:Header>
  <s:Body>
  </s:Body>
</s:Envelope>

```

```

    <a:To
s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcse
rvice.svc</a:To>
  </s:Header>
  <s:Body>
    <SaveProperty xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="b:EntityStruct"
xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Customer</b:name>
        <b:objectVersion>1</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:active>true</b:active>
        <b:lobSystemId>105</b:lobSystemId>
        <b:modelId>0</b:modelId>
        <b:namespace>example.com</b:namespace>
        <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
          <c:_Build>0</c:_Build>
          <c:_Major>1</c:_Major>
          <c:_Minor>0</c:_Minor>
          <c:_Revision>0</c:_Revision>
        </b:version>
        <b:cacheUsage>Default</b:cacheUsage>
        <b:description i:nil="true"/>
        <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
      </metadataObjectStruct>
      <propertyStruct xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:needsTypeReflectionResolution>>false</b:needsTypeReflectionResolution>
        <b:wcfMarshallableValue i:nil="true"/>
        <b:wcfMarshallableValueAssemblyQualifiedTypeName i:nil="true"/>
        <b:wcfMarshallableValueTypeTypeName i:nil="true"/>
        <b:metadataObjectId>0</b:metadataObjectId>
        <b:name>CustomerAlternateName</b:name>
        <b:settingId i:nil="true"/>
        <b:typeName>System.String</b:typeName>
      </propertyStruct>
    </SaveProperty>
  </s:Body>
</s:Envelope>

```

#### Response body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/SavePropertyResponse</a:Action>
    <a:RelatesTo>urn:uuid:00de94cd-c05e-4caa-81fb-bbceec7512f1</a:RelatesTo>
  </s:Header>
  <s:Body>
    <SavePropertyResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>

```

## 4.8 Adding Localized Names for MetadataObjects

This example shows how a user can add a localized name for an Entity in the metadata store. The concepts can be applied to any other **MetadataObject**.

The example assumes that the preceding examples have successfully finished and that the user wants to create the localized name for language code identifier (LCID) 2058.

The following actions are carried out:

1. The user requests the protocol client to create the localized name for the **Entity** named Customer in the namespace example.com.
2. The protocol client uses the **SaveLocalizedName** operation as shown in the following code example.

```
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();

System.Version ver = new Version(1,0,0,0);
Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

myClient.SaveLocalizedName(myEntity, 2058, "Cliente", null);
```

3. The protocol server checks whether an **Entity** named Customer in the namespace example.com exists in the metadata store.
4. If it exists, the protocol server creates the localized name for LCID 2058 and sets its value to "Cliente".

Request body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCat
alogSharedService/SaveLocalizedName</a:Action>
    <a:MessageID>urn:uuid:ce45ad1e-4143-4a0d-9d34-4fe4822343f9</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To
s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcse
rvice.svc</a:To>
  </s:Header>
  <s:Body>
    <SaveLocalizedName xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="b:EntityStruct"
xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Customer</b:name>
```

```

<b:objectVersion>1</b:objectVersion>
<b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
<b:active>true</b:active>
<b:lobSystemId>105</b:lobSystemId>
<b:modelId>0</b:modelId>
<b:namespace>example.com</b:namespace>
<b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
  <c:_Build>0</c:_Build>
  <c:_Major>1</c:_Major>
  <c:_Minor>0</c:_Minor>
  <c:_Revision>0</c:_Revision>
</b:version>
<b:cacheUsage>Default</b:cacheUsage>
<b:description i:nil="true"/>
<b:estimatedInstanceCount>100</b:estimatedInstanceCount>
</metadataObjectStruct>
<lcid>2058</lcid>
<name>Cliente</name>
<settingId i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
</SaveLocalizedName>
</s:Body>
</s:Envelope>

```

#### Response body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameResponse</a:Action>
    <a:RelatesTo>urn:uuid:ce45ad1e-4143-4a0d-9d34-4fe4822343f9</a:RelatesTo>
  </s:Header>
  <s:Body>
    <SaveLocalizedNameResponse
xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>

```

## 4.9 Updating an Entity

This example illustrates how a user can update an Entity in the metadata store.

The example assumes that the preceding example has successfully finished.

The following actions are carried out:

1. The user requests the protocol client to update **Entity** named Customer in the namespace example.com and changes its name from Customer to Buyer.
2. The protocol client uses the **Update** operation as shown in the following code example.

```

BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient ();
BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct ();

```

```

System.Version ver = new Version(1,1,0,0);
Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Customer",
myPartition);

// Set the name property to "Buyer"
myEntity.name = "Buyer";

// Call update method.
myClient.Update(myEntity);

```

3. The protocol server checks whether the **Entity** exists in the metadata store.

4. If it exists, the protocol server updates the name attributes of the **Entity** with the supplied value.

Request body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
      s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Update</a:Action>
    <a:MessageID>urn:uuid:6de95cfb-7309-4ef2-a8ba-05fe77b9cde4</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To
      s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
    </s:Header>
    <s:Body>
      <Update xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
        <metadataObjectStruct i:type="b:EntityStruct"
          xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
          <b:id>106</b:id>
          <b:isCached>true</b:isCached>
          <b:name>Buyer</b:name>
          <b:objectVersion>2</b:objectVersion>
          <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
          <b:active>true</b:active>
          <b:lobSystemId>105</b:lobSystemId>
          <b:modelId>0</b:modelId>
          <b:namespace>example.com</b:namespace>
          <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
            <c:_Build>0</c:_Build>
            <c:_Major>1</c:_Major>
            <c:_Minor>0</c:_Minor>
            <c:_Revision>0</c:_Revision>
          </b:version>
          <b:cacheUsage>Default</b:cacheUsage>
          <b:description i:nil="true"/>
          <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
        </metadataObjectStruct>
      </Update>

```

```
</s:Body>
</s:Envelope>
```

#### Response body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/UpdateResponse</a:Action>
    <a:RelatesTo>urn:uuid:6de95cfb-7309-4ef2-a8ba-05fe77b9cde4</a:RelatesTo>
  </s:Header>
  <s:Body>
    <UpdateResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <UpdateResult i:type="b:EntityStruct" xmlns:b="Microsoft.SharePoint.BusinessData"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Buyer</b:name>
        <b:objectVersion>3</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:active>true</b:active>
        <b:lobSystemId>105</b:lobSystemId>
        <b:modelId>0</b:modelId>
        <b:namespace>example.com</b:namespace>
        <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
          <c:_Build>0</c:_Build>
          <c:_Major>1</c:_Major>
          <c:_Minor>0</c:_Minor>
          <c:_Revision>0</c:_Revision>
        </b:version>
        <b:cacheUsage>Default</b:cacheUsage>
        <b:description i:nil="true"/>
        <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
      </UpdateResult>
    </UpdateResponse>
  </s:Body>
</s:Envelope>
```

#### 4.10 Deleting an Entity

This example illustrates how a user can delete an Entity in the metadata store.

The example assumes that the preceding example has successfully finished.

The following actions are carried out:

1. The user requests the protocol client to delete **Entity** named Buyer in the namespace example.com.
2. The protocol client uses the **Delete** operation as shown in the following code example.

```
BDCServiceReference.BusinessDataCatalogSharedServiceClient myClient = new
BDCServiceReference.BusinessDataCatalogSharedServiceClient();
```

```

BDCServiceReference.EntityStruct myEntity = new BDCServiceReference.EntityStruct();
System.Version ver = new Version(1, 1);

Guid myPartition = new Guid("0c37852b-34d0-418e-91c6-2ac25af4be5b");

myEntity = myClient.GetEntityWithNameAndNamespace("example.com", "Buyer",
myPartition);
myClient.Delete(myEntity);

```

3. The protocol server checks whether the **Entity** exists in the metadata store.

4. If it exists, the protocol server deletes the **Entity** from the metadata store.

Request body:

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/Delete</a:Action>
    <a:MessageID>urn:uuid:flee589a-df6b-48d1-83e4-9b28b2282414</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To
s:mustUnderstand="1">http://ExampleSharePointServerURL/1bb467a38f09487da2073b3553507d46/bdcservice.svc</a:To>
  </s:Header>
  <s:Body>
    <Delete xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog">
      <metadataObjectStruct i:type="b:EntityStruct"
xmlns:b="Microsoft.SharePoint.BusinessData" xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <b:id>106</b:id>
        <b:isCached>true</b:isCached>
        <b:name>Buyer</b:name>
        <b:objectVersion>3</b:objectVersion>
        <b:partitionId>0c37852b-34d0-418e-91c6-2ac25af4be5b</b:partitionId>
        <b:active>true</b:active>
        <b:lobSystemId>105</b:lobSystemId>
        <b:modelId>0</b:modelId>
        <b:namespace>example.com</b:namespace>
        <b:version xmlns:c="http://schemas.datacontract.org/2004/07/System">
          <c:_Build>0</c:_Build>
          <c:_Major>1</c:_Major>
          <c:_Minor>0</c:_Minor>
          <c:_Revision>0</c:_Revision>
        </b:version>
        <b:cacheUsage>Default</b:cacheUsage>
        <b:description i:nil="true"/>
        <b:estimatedInstanceCount>100</b:estimatedInstanceCount>
      </metadataObjectStruct>
    </Delete>
  </s:Body>
</s:Envelope>

```

Response body:

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteResponse</a:Action>
    <a:RelatesTo>urn:uuid:f1ee589a-df6b-48d1-83e4-9b28b2282414</a:RelatesTo>
  </s:Header>
  <s:Body>
    <DeleteResponse xmlns="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
  </s:Body>
</s:Envelope>
```



## **5 Security**

### **5.1 Security Considerations for Implementers**

None.

### **5.2 Index of Security Parameters**

None.

Preliminary

## 6 Appendix A: Full WSDL

WSDL name	Prefix	Section
http://tempuri.org/	Unassigned	<a href="#">6.1</a>
http://www.microsoft.com/Office/2009/BusinessDataCatalog	i0	<a href="#">6.2</a>

For ease of implementation, the full WSDLs are provided in the following sections.

### 6.1 http://tempuri.org/ WSDL

```
<?xml version="1.0"?>
<wsdl:definitions xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:i0="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
name="BdcServiceApplication" targetNamespace="http://tempuri.org/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsp:Policy wsu:Id="CustomBinding_BusinessDataCatalogSharedService_policy">
    <wsp:ExactlyOne>
      <wsp>All>
        <wsaw:UsingAddressing/>
      </wsp>All>
    </wsp:ExactlyOne>
  </wsp:Policy>
  <wsp:Policy wsu:Id="CustomBinding_BusinessDataCatalogSharedService1_policy">
    <wsp:ExactlyOne>
      <wsp>All>
        <sp:TransportBinding xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
          <wsp:Policy>
            <sp:TransportToken>
              <wsp:Policy>
                <sp:HttpsToken RequireClientCertificate="false"/>
              </wsp:Policy>
            </sp:TransportToken>
            <sp:AlgorithmSuite>
              <wsp:Policy>
                <sp:Basic256/>
              </wsp:Policy>
            </sp:AlgorithmSuite>
            <sp:Layout>
              <wsp:Policy>
                <sp:Strict/>
              </wsp:Policy>
            </sp:Layout>
            <sp:IncludeTimestamp/>
          </wsp:Policy>
        </sp:TransportBinding>
        <sp:EndorsingSupportingTokens
xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
          <wsp:Policy>
            <sp:IssuedToken
sp:IncludeToken="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy/IncludeToken/AlwaysToRe
cipient">
              <sp:RequestSecurityTokenTemplate>
```

```

        <t:KeyType
xmlns:t="http://schemas.xmlsoap.org/ws/2005/02/trust">http://schemas.xmlsoap.org/ws/2005/02/t
rust/SymmetricKey</t:KeyType>
    </sp:RequestSecurityTokenTemplate>
    <wsp:Policy>
        <sp:RequireInternalReference/>
    </wsp:Policy>
    </sp:IssuedToken>
</wsp:Policy>
</sp:EndorsingSupportingTokens>
<sp:Wss11 xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
    <wsp:Policy/>
</sp:Wss11>
<sp:Trust10 xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
    <wsp:Policy>
        <sp:MustSupportIssuedTokens/>
        <sp:RequireClientEntropy/>
        <sp:RequireServerEntropy/>
    </wsp:Policy>
</sp:Trust10>
    <wsaw:UsingAddressing/>
</wsp:All>
</wsp:ExactlyOne>
</wsp:Policy>
    <wsdl:import namespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
location="http://contoso.com/bdcservice.svc?wsdl=wsdl0"/>
    <wsdl:types/>
    <wsdl:binding name="CustomBinding_BusinessDataCatalogSharedService"
type="i0:BusinessDataCatalogSharedService">
        <wsp:PolicyReference URI="#CustomBinding_BusinessDataCatalogSharedService_policy"/>
        <soap12:binding transport="http://schemas.xmlsoap.org/soap/http"/>
        <wsdl:operation name="GetServiceApplicationId">
            <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetServiceApplicationId" style="document"/>
                <wsdl:input>
                    <soap12:body use="literal"/>
                </wsdl:input>
                <wsdl:output>
                    <soap12:body use="literal"/>
                </wsdl:output>
            </wsdl:operation>
            <wsdl:operation name="GetAllPartitionIds">
                <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllPartitionIds" style="document"/>
                    <wsdl:input>
                        <soap12:body use="literal"/>
                    </wsdl:input>
                    <wsdl:output>
                        <soap12:body use="literal"/>
                    </wsdl:output>
                    <wsdl:fault name="BdcExceptionStateFault">
                        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
                    </wsdl:fault>
                    <wsdl:fault name="AccessDeniedExceptionFault">
                        <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
                    </wsdl:fault>
                    <wsdl:fault name="InvalidOperationExceptionFault">
                        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
                    </wsdl:fault>
                </wsdl:operation>
            </wsdl:binding>
        </wsp:PolicyReference>
    </wsdl:binding>

```

```

    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="ReadSlicedXml">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/ReadSlicedXml" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="AccessDeniedExceptionFault">
      <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
      <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="WriteSlicedXml">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/WriteSlicedXml" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>

```

```

<wsdl:fault name="AccessDeniedExceptionFault">
  <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="HaveRights">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/HaveRights" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllLocalizedNamesForMetadataObjectStruct" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```

```

    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllLocalizedNames">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllLocalizedNames" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllPropertiesForMetadataObjectStruct">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllPropertiesForMetadataObjectStruct" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>

```

```

</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllProperties">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllProperties" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveLocalizedName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SaveLocalizedName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>

```

```

<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ClearLocalizedNames">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ClearLocalizedNames" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveLocalizedName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveLocalizedName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```



```

    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveProperty">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SaveProperty" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ClearProperties">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ClearProperties" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>

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</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveProperty">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveProperty" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAccessControlEntries">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAccessControlEntries" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```

```

<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetAccessControlEntries">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetAccessControlEntries" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectCreate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectCreate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">

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    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Update">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Update" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Delete">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Delete" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

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```

</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectMergeXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectMergeXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectReadXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectReadXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>

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```

<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectWriteXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectWriteXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclAcrossChildren">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclAcrossChildren" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">

```

```

    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclAcrossChildrenForSetting">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclAcrossChildrenForSetting" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclToSetting">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclToSetting" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>

```

```

</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCacheInvalidationRecordsSince">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetCacheInvalidationRecordsSince" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ImportPackage">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ImportPackage" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```



```

<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ImportPackageWithProgress">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ImportPackageWithProgress" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetImportProgress">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetImportProgress" style="document"/>
  <wsdl:input>

```

```

        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExportPackage">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ExportPackage" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="PackageFormatExceptionStateFault">
            <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetModelById">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelById" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>

```

```

</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelsByName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelsByName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelByName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelByName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

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<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelsByEntityId">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelsByEntityId" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddEntityToModel">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddEntityToModel" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">

```

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    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveEntityFromModel">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveEntityFromModel" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteNoCascade">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteNoCascade" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

```

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    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="ModelReadXml">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/ModelReadXml" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
      <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemProxyAssemblyBytesByLobSystemId">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetLobSystemProxyAssemblyBytesByLobSystemId" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>

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<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemAllAssembliesBytes">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemAllAssembliesBytes" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemDataByLobSystem">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemDataByLobSystem" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>

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    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetLobSystemDataByLobSystemId">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetLobSystemDataByLobSystemId" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemsReferencedByEntitiesAssociatedWithModel" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

```



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</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemByName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemByName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemsLikeName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemsLikeName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:fault>

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```

    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetLobSystemById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetEntityCount">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetEntityCount" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">

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        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSystemUtilityTypeNameForLobSystem">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetSystemUtilityTypeNameForLobSystem" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GenerateProxyAssemblyForLobSystem">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GenerateProxyAssemblyForLobSystem" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>

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    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="DeleteProxyAssemblyForLobSystem">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/DeleteProxyAssemblyForLobSystem" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemInstancesForLobSystem">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetLobSystemInstancesForLobSystem" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="GetLobSystemInstanceById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLobSystemInstanceById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDataClassesForSystem">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetDataClassesForSystem" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```

```

    <wsdl:operation name="GetDataClassById">
      <soap12:operation
        soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
        dService/GetDataClassById" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntitiesReferencedByModelId">
      <soap12:operation
        soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
        dService/GetEntitiesReferencedByModelId" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntitiesLikeNameAndNamespace">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesLikeNameAndNamespace" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityWithNameAndNamespace">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityWithNameAndNamespace" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityWithNameAndNamespaceAndVersion" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesForSystem">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesForSystem" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesForAssociationAndRole">

```



```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesForAssociationAndRole" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetDefaultActionForEntity">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetDefaultActionForEntity" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityNameAndNamespacesForAssociationAndRole" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntityById">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityById" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="EntityCreate">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/EntityCreate" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Activate">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Activate" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:fault>

```

```

    <wsdl:fault name="PackageFormatExceptionStateFault">
      <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="Deactivate">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/Deactivate" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
      <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="BulkSwitchActiveOrValidate">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/BulkSwitchActiveOrValidate" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```

```

    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionsForEntity">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionsForEntity" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

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</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionParameterById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionParameterById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionParametersForAction">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionParametersForAction" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:fault>

```

```

    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetIdentifierById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetIdentifierById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetIdentifiersForEntity">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetIdentifiersForEntity" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">

```

```

        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodById">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodById" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionHandler">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionHandler" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetMethodsForDataClass">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodsForDataClass" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="ArgumentOutOfRangeExceptionHandler">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionHandler" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>

```



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</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="IsMethodInstantiated">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/IsMethodInstantiated" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFilterDescriptorById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFilterDescriptorById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:fault>

```

```

    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetFilterDescriptorsForMethod">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetFilterDescriptorsForMethod" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetMethodInstanceById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetMethodInstanceById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```

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        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodInstancesForDataClass">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstancesForDataClass" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodInstancesForMethod">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstancesForMethod" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>

```

```

    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="CheckPathInMethodInstances">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/CheckPathInMethodInstances" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetParameterById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetParameterById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetParametersForMethod">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetParametersForMethod" style="document"/>
    <wsdl:input>

```

```

    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="IsParameterReferencedByMethodInstance">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/IsParameterReferencedByMethodInstance" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeReflectorTypeNameForParameter">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeReflectorTypeNameForParameter" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>

```

```

</wsdl:input>
<wsdl:output>
  <soap12:body use="literal"/>
</wsdl:output>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFieldTypeDescriptorsByMethodInstance" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>

```

```

<wsdl:output>
  <soap12:body use="literal"/>
</wsdl:output>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRootTypeDescriptorForParameter">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetRootTypeDescriptorForParameter" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>

```

```

    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorsByNameAndLevelForParameter" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetChildTypeDescriptorsForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```



```

</wsdl:output>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsForFilterDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorsForFilterDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDefaultValuesForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetDefaultValuesForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetDefaultValuesForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetDefaultValuesForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteDefaultValueForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteDefaultValueForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">

```

```

    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLevelForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLevelForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorCreate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorCreate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>

```

```

</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorMergeXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorMergeXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorReadXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorReadXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForEntityAndRole">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForEntityAndRole" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>

```

```

    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForDataClass">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForDataClass" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForMethod">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForMethod" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

</wsdl:output>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationMembersInRole">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationMembersInRole" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetThrottlingRules">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetThrottlingRules" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="AccessDeniedExceptionFault">
  <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddThrottlingRule">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddThrottlingRule" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveThrottlingRule">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveThrottlingRule" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```



```

    <wsdl:operation name="GetAssociationGroupById">
      <soap12:operation
        soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
        dService/GetAssociationGroupById" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAssociationGroupsForEntity">
      <soap12:operation
        soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
        dService/GetAssociationGroupsForEntity" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetAssociationReferencesForAssociationGroup">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationReferencesForAssociationGroup" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddAssociationReferenceToAssociationGroup">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddAssociationReferenceToAssociationGroup" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteAssociationReferenceFromAssociationGroup" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetXmlSchemaForView">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetXmlSchemaForView" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
</wsdl:binding>

```

```

    <wsdl:binding name="CustomBinding_BusinessDataCatalogSharedService1"
type="i0:BusinessDataCatalogSharedService">
      <wsp:PolicyReference URI="#CustomBinding_BusinessDataCatalogSharedService1_policy"/>
      <soap12:binding transport="http://schemas.xmlsoap.org/soap/http"/>
      <wsdl:operation name="GetServiceApplicationId">
        <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetServiceApplicationId" style="document"/>
          <wsdl:input>
            <soap12:body use="literal"/>
          </wsdl:input>
          <wsdl:output>
            <soap12:body use="literal"/>
          </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetAllPartitionIds">
          <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllPartitionIds" style="document"/>
            <wsdl:input>
              <soap12:body use="literal"/>
            </wsdl:input>
            <wsdl:output>
              <soap12:body use="literal"/>
            </wsdl:output>
            <wsdl:fault name="BdcExceptionStateFault">
              <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
            </wsdl:fault>
            <wsdl:fault name="AccessDeniedExceptionFault">
              <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
            </wsdl:fault>
            <wsdl:fault name="InvalidOperationExceptionFault">
              <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
            </wsdl:fault>
            <wsdl:fault name="MetadataExceptionStateFault">
              <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
            </wsdl:fault>
          </wsdl:operation>
          <wsdl:operation name="ReadSlicedXml">
            <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ReadSlicedXml" style="document"/>
              <wsdl:input>
                <soap12:body use="literal"/>
              </wsdl:input>
              <wsdl:output>
                <soap12:body use="literal"/>
              </wsdl:output>
              <wsdl:fault name="BdcExceptionStateFault">
                <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
              </wsdl:fault>
              <wsdl:fault name="AccessDeniedExceptionFault">
                <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
              </wsdl:fault>
              <wsdl:fault name="InvalidOperationExceptionFault">
                <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
              </wsdl:fault>
              <wsdl:fault name="MetadataExceptionStateFault">
                <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
              </wsdl:fault>
            </wsdl:operation>
          </wsdl:operation>
        </wsdl:binding>
      </wsdl:binding>
    </wsdl:binding>
  </wsdl:binding>

```

```

</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="WriteSlicedXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/WriteSlicedXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="HaveRights">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/HaveRights" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllLocalizedNamesForMetadataObjectStruct" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllLocalizedNames">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllLocalizedNames" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">

```

```

    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllPropertiesForMetadataObjectStruct">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllPropertiesForMetadataObjectStruct" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllProperties">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAllProperties" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>

```

```

</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveLocalizedName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SaveLocalizedName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ClearLocalizedNames">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ClearLocalizedNames" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>

```



```

<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveLocalizedName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveLocalizedName" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveProperty">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SaveProperty" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">

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    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ClearProperties">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ClearProperties" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveProperty">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveProperty" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>

```

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</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAccessControlEntries">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAccessControlEntries" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetAccessControlEntries">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetAccessControlEntries" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>

```

```

<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectCreate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectCreate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Update">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Update" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">

```

```

    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Delete">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Delete" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectMergeXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectMergeXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>

```

```

</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectReadXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectReadXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MetadataObjectWriteXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/MetadataObjectWriteXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>

```

```

<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclAcrossChildren">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclAcrossChildren" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclAcrossChildrenForSetting">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclAcrossChildrenForSetting" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">

```

```

    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CopyAclToSetting">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CopyAclToSetting" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCacheInvalidationRecordsSince">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetCacheInvalidationRecordsSince" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>

```



```

</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ImportPackage">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ImportPackage" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ImportPackageWithProgress">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ImportPackageWithProgress" style="document"/>

```

```

<wsdl:input>
  <soap12:body use="literal"/>
</wsdl:input>
<wsdl:output>
  <soap12:body use="literal"/>
</wsdl:output>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetImportProgress">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetImportProgress" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExportPackage">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ExportPackage" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">

```

```

    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelById" style="document"/>
  <wsdl:input>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelsByName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelsByName" style="document"/>
  <wsdl:input>
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  </wsdl:input>
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    <soap12:body use="literal"/>
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  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
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  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>

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  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
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<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
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  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelByName">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
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  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
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  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
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  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetModelsByEntityId">
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soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetModelsByEntityId" style="document"/>
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  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
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</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddEntityToModel">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddEntityToModel" style="document"/>
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    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
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  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
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  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveEntityFromModel">
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dService/RemoveEntityFromModel" style="document"/>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
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  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">

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    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
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  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteNoCascade">
  <soap12:operation
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dService/DeleteNoCascade" style="document"/>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
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  <wsdl:fault name="InvalidOperationExceptionFault">
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  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ModelReadXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/ModelReadXml" style="document"/>
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    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
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  <wsdl:fault name="InvalidOperationExceptionFault">
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  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionExceptionFault" namespace=""/>
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</wsdl:operation>
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  <soap12:operation
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  </wsdl:input>
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  </wsdl:fault>
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  <wsdl:fault name="InvalidOperationExceptionExceptionFault">
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    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
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  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLobSystemAllAssembliesBytes">
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dService/GetLobSystemAllAssembliesBytes" style="document"/>
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  </wsdl:input>
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  </wsdl:output>
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  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionExceptionFault" namespace=""/>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
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<wsdl:operation name="SetLobSystemDataByLobSystemId">
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  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">

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    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
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  <soap12:operation
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dService/GetLobSystemsReferencedByEntitiesAssociatedWithModel" style="document"/>
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  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
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    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
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  <wsdl:fault name="MetadataExceptionStateFault">
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  <wsdl:fault name="ArgumentExceptionFault">
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  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
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  <soap12:operation
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dService/GetLobSystemByName" style="document"/>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
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  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>

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  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
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dService/GetLobSystemsLikeName" style="document"/>
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  </wsdl:input>
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    <soap12:body use="literal"/>
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    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
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  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
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  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
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  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
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  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```

```

    <wsdl:fault name="ArgumentExceptionFault">
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    </wsdl:fault>
  </wsdl:operation>
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      dService/GetEntityCount" style="document"/>
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      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
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    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
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    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetSystemUtilityTypeNameForLobSystem">
    <soap12:operation
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    </wsdl:input>
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      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
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    <wsdl:fault name="BdcExceptionStateFault">
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    <wsdl:fault name="MetadataExceptionStateFault">
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    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
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  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
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  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
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  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteProxyAssemblyForLobSystem">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteProxyAssemblyForLobSystem" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

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    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemInstancesForLobSystem">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetLobSystemInstancesForLobSystem" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemInstanceById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetLobSystemInstanceById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>

```

```

    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetDataClassesForSystem">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetDataClassesForSystem" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetDataClassById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetDataClassById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">

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        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesReferencedByModelId">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesReferencedByModelId" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesLikeNameAndNamespace">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesLikeNameAndNamespace" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>

```

```

    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetEntityWithNameAndNamespace">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetEntityWithNameAndNamespace" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionHandler">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionExceptionHandler">
      <soap12:fault use="literal" name="InvalidOperationExceptionExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionHandlerStateFault">
      <soap12:fault use="literal" name="MetadataExceptionHandlerStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionHandler">
      <soap12:fault use="literal" name="ArgumentExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionExceptionHandler">
      <soap12:fault use="literal" name="ArgumentNullExceptionExceptionHandler" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetEntityWithNameAndNamespaceAndVersion" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentExceptionHandler">
      <soap12:fault use="literal" name="ArgumentExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionExceptionHandler">
      <soap12:fault use="literal" name="ArgumentNullExceptionExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionHandler">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionExceptionHandler">
      <soap12:fault use="literal" name="InvalidOperationExceptionExceptionHandler" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionHandlerStateFault">
      <soap12:fault use="literal" name="MetadataExceptionHandlerStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>

```



```

</wsdl:operation>
<wsdl:operation name="GetEntitiesForSystem">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesForSystem" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetEntitiesForAssociationAndRole">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntitiesForAssociationAndRole" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```

```

    <wsdl:operation name="SetDefaultActionForEntity">
      <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetDefaultActionForEntity" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole">
      <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityNameAndNamespacesForAssociationAndRole" style="document"/>
      <wsdl:input>
        <soap12:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal"/>
      </wsdl:output>
      <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
      </wsdl:fault>
      <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
      </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetEntityById">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetEntityById" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="EntityCreate">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/EntityCreate" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="PackageFormatExceptionStateFault">
        <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>

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```

</wsdl:operation>
<wsdl:operation name="Activate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Activate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="Deactivate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/Deactivate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">

```

```

    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="BulkSwitchActiveOrValidate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/BulkSwitchActiveOrValidate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

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</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionsForEntity">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionsForEntity" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetActionParameterById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetActionParameterById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>

```

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    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetActionParametersForAction">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetActionParametersForAction" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetIdentifierById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetIdentifierById" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">

```

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    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetIdentifiersForEntity">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetIdentifiersForEntity" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>

```



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    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetMethodsForDataClass">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/GetMethodsForDataClass" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="IsMethodInstantiated">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
      dService/IsMethodInstantiated" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>

```

```

        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFilterDescriptorById">
        <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFilterDescriptorById" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFilterDescriptorsForMethod">
        <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFilterDescriptorsForMethod" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>

```

```

        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodInstanceById">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstanceById" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMethodInstancesForDataClass">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstancesForDataClass" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>

```

```

    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetMethodInstancesForMethod">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetMethodInstancesForMethod" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
      <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
      <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="CheckPathInMethodInstances">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/CheckPathInMethodInstances" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
      <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
      <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
      <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
      <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="GetParameterById">
    <soap12:operation
      soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetParameterById" style="document"/>
    <wsdl:input>

```

```

    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetParametersForMethod">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetParametersForMethod" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="IsParameterReferencedByMethodInstance">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/IsParameterReferencedByMethodInstance" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>

```

```

</wsdl:input>
<wsdl:output>
  <soap12:body use="literal"/>
</wsdl:output>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeReflectorTypeNameForParameter">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeReflectorTypeNameForParameter" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>

```

```

<wsdl:output>
  <soap12:body use="literal"/>
</wsdl:output>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetFieldTypeDescriptorsByMethodInstance" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>

```

```

    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRootTypeDescriptorForParameter">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetRootTypeDescriptorForParameter" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorsByNameAndLevelForParameter" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```



```

</wsdl:output>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetChildTypeDescriptorsForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsForFilterDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetTypeDescriptorsForFilterDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDefaultValuesForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetDefaultValuesForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SetDefaultValuesForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/SetDefaultValuesForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">

```

```

    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteDefaultValueForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteDefaultValueForTypeDescriptor" style="document"/>
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    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLevelForTypeDescriptor">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetLevelForTypeDescriptor" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>

```

```

</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorCreate">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorCreate" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
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  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorMergeXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorMergeXml" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```

```

<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="PackageFormatExceptionStateFault">
  <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TypeDescriptorReadXml">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/TypeDescriptorReadXml" style="document"/>
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    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="PackageFormatExceptionStateFault">
    <soap12:fault use="literal" name="PackageFormatExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationById">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationById" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>

```

```

    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForEntityAndRole">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForEntityAndRole" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForDataClass">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForDataClass" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

</wsdl:output>
<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
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<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationsForMethod">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationsForMethod" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="InvalidOperationExceptionFault">
    <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
    <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="MetadataExceptionStateFault">
    <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationMembersInRole">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationMembersInRole" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>

```

```

<wsdl:fault name="ArgumentOutOfRangeExceptionFault">
  <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="BdcExceptionStateFault">
  <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="InvalidOperationExceptionFault">
  <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="MetadataExceptionStateFault">
  <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentExceptionFault">
  <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
</wsdl:fault>
<wsdl:fault name="ArgumentNullExceptionFault">
  <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
</wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetThrottlingRules">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetThrottlingRules" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ArgumentNullExceptionFault">
    <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddThrottlingRule">
  <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddThrottlingRule" style="document"/>
  <wsdl:input>
    <soap12:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="BdcExceptionStateFault">
    <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="AccessDeniedExceptionFault">
    <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
  <wsdl:fault name="ArgumentExceptionFault">
    <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
  </wsdl:fault>
</wsdl:operation>

```



```

        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RemoveThrottlingRule">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/RemoveThrottlingRule" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="AccessDeniedExceptionFault">
            <soap12:fault use="literal" name="AccessDeniedExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetAssociationGroupById">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationGroupById" style="document"/>
        <wsdl:input>
            <soap12:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap12:body use="literal"/>
        </wsdl:output>
        <wsdl:fault name="MetadataExceptionStateFault">
            <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
            <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentNullExceptionFault">
            <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="BdcExceptionStateFault">
            <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="InvalidOperationExceptionFault">
            <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
        </wsdl:fault>
        <wsdl:fault name="ArgumentExceptionFault">
            <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
        </wsdl:fault>
    </wsdl:operation>
<wsdl:operation name="GetAssociationGroupsForEntity">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationGroupsForEntity" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAssociationReferencesForAssociationGroup">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetAssociationReferencesForAssociationGroup" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="AddAssociationReferenceToAssociationGroup">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/AddAssociationReferenceToAssociationGroup" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup">
    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/DeleteAssociationReferenceFromAssociationGroup" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetXmlSchemaForView">

```

```

    <soap12:operation
soapAction="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShare
dService/GetXmlSchemaForView" style="document"/>
    <wsdl:input>
        <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="BdcExceptionStateFault">
        <soap12:fault use="literal" name="BdcExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentExceptionFault">
        <soap12:fault use="literal" name="ArgumentExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="InvalidOperationExceptionFault">
        <soap12:fault use="literal" name="InvalidOperationExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="MetadataExceptionStateFault">
        <soap12:fault use="literal" name="MetadataExceptionStateFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentOutOfRangeExceptionFault">
        <soap12:fault use="literal" name="ArgumentOutOfRangeExceptionFault" namespace=""/>
    </wsdl:fault>
    <wsdl:fault name="ArgumentNullExceptionFault">
        <soap12:fault use="literal" name="ArgumentNullExceptionFault" namespace=""/>
    </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

## 6.2 <http://www.microsoft.com/Office/2009/BusinessDataCatalog> WSDL

```

<?xml version="1.0"?>
<wsdl:definitions xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:i0="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
targetNamespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
    <wsdl:types>
        <xs:schema xmlns:tns7="http://www.microsoft.com/Office/2009/BusinessDataCatalog/Imports"
targetNamespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog/Imports">
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd0"
namespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
namespace="http://schemas.microsoft.com/2003/10/Serialization"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd3"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd4"
namespace="http://schemas.datacontract.org/2004/07/System"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd5"
namespace="Microsoft.BusinessData.SharePoint"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd2"
namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd6"
namespace="Microsoft.SharePoint.BusinessData"/>
            <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd7"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"/>

```

```

    <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd8"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"/>
    <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd9"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Metadata
Model.Constants"/>
    <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd10"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"/>
</xs:schema>
</wsdl:types>
<wsdl:message name="BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage">
  <wsdl:part name="parameters" element="i0:GetServiceApplicationId"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetServiceApplicationIdResponse"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage">
  <wsdl:part name="parameters" element="i0:GetAllPartitionIds"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetAllPartitionIdsResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_BdcExceptionStateFault_FaultMessage
">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_AccessDeniedExceptionFault_FaultMes
sage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_InvalidOperationExceptionFault_FaultMe
tMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetAllPartitionIds_MetadataExceptionStateFault_FaultMe
ssage">
  <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage">
  <wsdl:part name="parameters" element="i0:ReadSlicedXml"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage">
  <wsdl:part name="parameters" element="i0:ReadSlicedXmlResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
</wsdl:message>

```

```

    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_AccessDeniedExceptionFault_FaultMessage"
>
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_InvalidOperationExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_MetadataExceptionStateFault_FaultMessage"
">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_PackageFormatExceptionStateFault_FaultMessage"
">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentNullExceptionFault_FaultMessage"
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMessage"
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage">
    <wsdl:part name="parameters" element="i0:WriteSlicedXml"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage">
    <wsdl:part name="parameters" element="i0:WriteSlicedXmlResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_InvalidOperationExceptionFault_FaultMessage"
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMessage"
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_BdcExceptionStateFault_FaultMessage">

```

```

    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_AccessDeniedExceptionFault_FaultMessage
">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_MetadataExceptionStateFault_FaultMessag
e">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_PackageFormatExceptionStateFault_FaultM
essage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentNullExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_HaveRights_InputMessage">
    <wsdl:part name="parameters" element="i0:HaveRights"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_HaveRights_OutputMessage">
    <wsdl:part name="parameters" element="i0:HaveRightsResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_ArgumentOutOfRangeExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_InvalidOperationExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>

```

```

    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_MetadataExceptionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_HaveRights_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InputMess
age">
      <wsdl:part name="parameters" element="i0:GetAllLocalizedNamesForMetadataObjectStruct"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_OutputMess
age">
      <wsdl:part name="parameters"
element="i0:GetAllLocalizedNamesForMetadataObjectStructResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_MetadataEx
ceptionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentOu
tOfRangeExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_BdcExcepti
onStateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_InvalidOpe
rationExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentEx
ceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_ArgumentNu
llExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage">
      <wsdl:part name="parameters" element="i0:GetAllLocalizedNames"/>
    </wsdl:message>

```



```

    <wsdl:message name="BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetAllLocalizedNamesResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentExceptionFault_FaultMessa
ge">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_MetadataExceptionStateFault_Fault
Message">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentOutOfRangeExceptionFault_
FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_BdcExceptionStateFault_FaultMessa
ge">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_InvalidOperationExceptionFault_Fa
ultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentNullExceptionFault_FaultM
essage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage">
      <wsdl:part name="parameters" element="i0:GetAllPropertiesForMetadataObjectStruct"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage"
>
      <wsdl:part name="parameters"
element="i0:GetAllPropertiesForMetadataObjectStructResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_MetadataExcept
ionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_BdcExceptionSt
ateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InvalidOperati
onExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentExcepti
onFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentNullEx
ceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentOutOfR
angeExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllProperties_InputMessage">
      <wsdl:part name="parameters" element="i0:GetAllProperties"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAllProperties_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetAllPropertiesResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_BdcExceptionStateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_InvalidOperationExceptionFault_FaultM
essage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_MetadataExceptionStateFault_FaultMess
age">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAllProperties_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage">
    <wsdl:part name="parameters" element="i0:SaveLocalizedName"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage">
    <wsdl:part name="parameters" element="i0:SaveLocalizedNameResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_BdcExceptionStateFault_FaultMessage"
>
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage">
    <wsdl:part name="parameters" element="i0:ClearLocalizedNames"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage">
    <wsdl:part name="parameters" element="i0:ClearLocalizedNamesResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_BdcExceptionStateFault_FaultMessag
e">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentOutOfRangeExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_InvalidOperationExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentExceptionFault_FaultMessag
e">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentNullExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage">
    <wsdl:part name="parameters" element="i0:RemoveLocalizedName"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage">
    <wsdl:part name="parameters" element="i0:RemoveLocalizedNameResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_InvalidOperationExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_BdcExceptionStateFault_FaultMessag
e">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentOutOfRangeExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_MetadataExceptionStateFault_FaultM
essage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveProperty_InputMessage">
    <wsdl:part name="parameters" element="i0:SaveProperty"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SaveProperty_OutputMessage">
    <wsdl:part name="parameters" element="i0:SavePropertyResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SaveProperty_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearProperties_InputMessage">
    <wsdl:part name="parameters" element="i0:ClearProperties"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ClearProperties_OutputMessage">
    <wsdl:part name="parameters" element="i0:ClearPropertiesResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_BdcExceptionStateFault_FaultMessage">

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    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_MetadataExceptionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
      </wsdl:message>
      <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_ArgumentNullExceptionFault_FaultMessage">
          <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
          </wsdl:message>
          <wsdl:message
name="BusinessDataCatalogSharedService_ClearProperties_ArgumentOutOfRangeExceptionFault_FaultMessage">
            <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
            </wsdl:message>
            <wsdl:message name="BusinessDataCatalogSharedService_RemoveProperty_InputMessage">
              <wsdl:part name="parameters" element="i0:RemoveProperty"/>
            </wsdl:message>
            <wsdl:message name="BusinessDataCatalogSharedService_RemoveProperty_OutputMessage">
              <wsdl:part name="parameters" element="i0:RemovePropertyResponse"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_BdcExceptionStateFault_FaultMessage">
              <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
              </wsdl:message>
              <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_InvalidOperationExceptionFault_FaultMessage">
                <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
                </wsdl:message>
                <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_MetadataExceptionStateFault_FaultMessage">
                  <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
                  </wsdl:message>
                  <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_ArgumentExceptionFault_FaultMessage">
                    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_ArgumentNullExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveProperty_ArgumentOutOfRangeExceptionFault_M
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAccessControlEntries"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAccessControlEntriesResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_InvalidOperationExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_BdcExceptionStateFault_FaultMe
ssage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_MetadataExceptionStateFault_Fa
ultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentNullExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentOutOfRangeExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage">
    <wsdl:part name="parameters" element="i0:SetAccessControlEntries"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage">
    <wsdl:part name="parameters" element="i0:SetAccessControlEntriesResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage">
    <wsdl:part name="parameters" element="i0:MetadataObjectCreate"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage">
    <wsdl:part name="parameters" element="i0:MetadataObjectCreateResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentOutOfRangeExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_InvalidOperationExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentNullExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_Update_InputMessage">
    <wsdl:part name="parameters" element="i0:Update"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_Update_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Update_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Update_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Update_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Update_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Update_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Update_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>

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<wsdl:message name="BusinessDataCatalogSharedService_Delete_InputMessage">
  <wsdl:part name="parameters" element="i0:Delete"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_Delete_OutputMessage">
  <wsdl:part name="parameters" element="i0:DeleteResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_InvalidOperationExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_MetadataExceptionStateFault_FaultMessage">
  <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_ArgumentExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_ArgumentNullExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_Delete_ArgumentOutOfRangeExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage">
  <wsdl:part name="parameters" element="i0:MetadataObjectMergeXml"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage">
  <wsdl:part name="parameters" element="i0:MetadataObjectMergeXmlResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentExceptionFault_FaultMes
sage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_BdcExceptionStateFault_FaultMes
sage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_InvalidOperationExceptionFault_
FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_PackageFormatExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage">
        <wsdl:part name="parameters" element="i0:MetadataObjectReadXml"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage">
        <wsdl:part name="parameters" element="i0:MetadataObjectReadXmlResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_PackageFormatExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentOutOfRangeExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage">
    <wsdl:part name="parameters" element="i0:MetadataObjectWriteXml"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage">
    <wsdl:part name="parameters" element="i0:MetadataObjectWriteXmlResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_MetadataExceptionStateFault_Fau
ltMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_BdcExceptionStateFault_FaultMes
sage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_InvalidOperationExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentOutOfRangeExceptionFaul
t_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_PackageFormatExceptionStateFaul
t_FaultMessage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentNullExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage">

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    <wsdl:part name="parameters" element="i0:CopyAclAcrossChildren"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage">
    <wsdl:part name="parameters" element="i0:CopyAclAcrossChildrenResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_MetadataExceptionStateFault_Fault
tMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_BdcExceptionStateFault_FaultMess
age">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_InvalidOperationExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentOutOfRangeExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage">
    <wsdl:part name="parameters" element="i0:CopyAclAcrossChildrenForSetting"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage">
    <wsdl:part name="parameters" element="i0:CopyAclAcrossChildrenForSettingResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_BdcExceptionStateFault
_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentNullExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage">
    <wsdl:part name="parameters" element="i0:CopyAclToSetting"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage">
    <wsdl:part name="parameters" element="i0:CopyAclToSettingResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_MetadataExceptionStateFault_FaultMess
age">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_InvalidOperationExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentNullExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage">
    <wsdl:part name="parameters" element="i0:GetCacheInvalidationRecordsSince"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetCacheInvalidationRecordsSinceResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_AccessDeniedException
Fault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_BdcExceptionStateFaul
t_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InvalidOperationExcep
tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_MetadataExceptionStat
eFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageFormatExceptio
nStateFault_FaultMessage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentExceptionFaul
t_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentNullException
Fault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentOutOfRangeExc
eptionFault_FaultMessage">

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        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ImportPackage_InputMessage">
        <wsdl:part name="parameters" element="i0:ImportPackage"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ImportPackage_OutputMessage">
        <wsdl:part name="parameters" element="i0:ImportPackageResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_InvalidOperationExceptionFault_FaultMess
age">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_MetadataExceptionStateFault_FaultMessage
">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_PackageFormatExceptionStateFault_FaultMe
ssage">
        <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackage_ArgumentNullExceptionFault_FaultMessage"
>
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage">
        <wsdl:part name="parameters" element="i0:ImportPackageWithProgress"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage">
        <wsdl:part name="parameters" element="i0:ImportPackageWithProgressResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_MetadataExceptionStateFault_
FaultMessage">

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    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_BdcExceptionStateFault_Fault
Message">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_InvalidOperationExceptionFau
lt_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
      </wsdl:message>
      <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentOutOfRangeExceptionF
ault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_PackageFormatExceptionFau
lt_FaultMessage">
          <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
          </wsdl:message>
          <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentExceptionFault_Fault
Message">
            <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentNullExceptionFault_F
aultMessage">
              <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
              </wsdl:message>
              <wsdl:message name="BusinessDataCatalogSharedService_GetImportProgress_InputMessage">
                <wsdl:part name="parameters" element="i0:GetImportProgress"/>
                </wsdl:message>
                <wsdl:message name="BusinessDataCatalogSharedService_GetImportProgress_OutputMessage">
                  <wsdl:part name="parameters" element="i0:GetImportProgressResponse"/>
                  </wsdl:message>
                  <wsdl:message name="BusinessDataCatalogSharedService_ExportPackage_InputMessage">
                    <wsdl:part name="parameters" element="i0:ExportPackage"/>
                    </wsdl:message>
                    <wsdl:message name="BusinessDataCatalogSharedService_ExportPackage_OutputMessage">
                      <wsdl:part name="parameters" element="i0:ExportPackageResponse"/>
                      </wsdl:message>
                      <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_InvalidOperationExceptionFault_FaultMess
age">
                        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
                        </wsdl:message>
                        <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_BdcExceptionStateFault_FaultMessage">

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    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_MetadataExceptionStateFault_FaultMessage
">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
      </wsdl:message>
      <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_PackageFormatExceptionStateFault_FaultMe
ssage">
        <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_ArgumentExceptionFault_FaultMessage">
          <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
          </wsdl:message>
          <wsdl:message
name="BusinessDataCatalogSharedService_ExportPackage_ArgumentNullExceptionFault_FaultMessage"
>
            <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
            </wsdl:message>
            <wsdl:message name="BusinessDataCatalogSharedService_GetModelById_InputMessage">
              <wsdl:part name="parameters" element="i0:GetModelById"/>
            </wsdl:message>
            <wsdl:message name="BusinessDataCatalogSharedService_GetModelById_OutputMessage">
              <wsdl:part name="parameters" element="i0:GetModelByIdResponse"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_ArgumentOutOfRangeExceptionFault_FaultMes
sage">
              <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_BdcExceptionStateFault_FaultMessage">
              <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_InvalidOperationExceptionFault_FaultMessa
ge">
              <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_MetadataExceptionStateFault_FaultMessage"
>
              <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
            </wsdl:message>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelById_ArgumentNullExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByName_InputMessage">
      <wsdl:part name="parameters" element="i0:GetModelsByName"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByName_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetModelsByNameResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_BdcExceptionStateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_ArgumentOutOfRangeExceptionFault_Fault
Message">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_ArgumentNullExceptionFault_FaultMessag
e">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_InvalidOperationExceptionFault_FaultMe
ssage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_MetadataExceptionStateFault_FaultMessa
ge">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByName_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelByName_InputMessage">
      <wsdl:part name="parameters" element="i0:GetModelByName"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelByName_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetModelByNameResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_ArgumentOutOfRangeExceptionFault_FaultM
essage">

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        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_InvalidOperationExceptionFault_FaultMes
sage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_MetadataExceptionStateFault_FaultMessag
e">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelByName_ArgumentNullExceptionFault_FaultMessage
">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage">
        <wsdl:part name="parameters" element="i0:GetModelsByEntityId"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetModelsByEntityIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_InvalidOperationExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_BdcExceptionStateFault_FaultMessag
e">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentOutOfRangeExceptionFault_F
aultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_MetadataExceptionStateFault_FaultM
essage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentNullExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_AddEntityToModel_InputMessage">
      <wsdl:part name="parameters" element="i0:AddEntityToModel"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage">
      <wsdl:part name="parameters" element="i0:AddEntityToModelResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_ArgumentOutOfRangeExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_BdcExceptionStateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_InvalidOperationExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_MetadataExceptionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_ArgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddEntityToModel_ArgumentNullExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage">
      <wsdl:part name="parameters" element="i0:RemoveEntityFromModel"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage">
      <wsdl:part name="parameters" element="i0:RemoveEntityFromModelResponse"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_InvalidOperationExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_BdcExceptionStateFault_FaultMess
age">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentOutOfRangeExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_MetadataExceptionStateFault_Faul
tMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage">
    <wsdl:part name="parameters" element="i0:DeleteNoCascade"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage">
    <wsdl:part name="parameters" element="i0:DeleteNoCascadeResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentOutOfRangeExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_InvalidOperationExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ModelReadXml_InputMessage">
    <wsdl:part name="parameters" element="i0:ModelReadXml"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_ModelReadXml_OutputMessage">
    <wsdl:part name="parameters" element="i0:ModelReadXmlResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_PackageFormatExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_ModelReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage">
    </wsdl:message>

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InputMess
age">
    <wsdl:part name="parameters" element="i0:GetLobSystemProxyAssemblyBytesByLobSystemId"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_OutputMess
age">
    <wsdl:part name="parameters"
element="i0:GetLobSystemProxyAssemblyBytesByLobSystemIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_MetadataEx
ceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_BdcExcepti
onStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_InvalidOpe
rationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentNu
llExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_ArgumentOu
tOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemAllAssembliesBytes"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemAllAssembliesBytesResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentOutofRangeExcep
tionFault_FaultMessage">

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_BdcExceptionStateFault_
FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InvalidOperationExcepti
onFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
      </wsdl:message>
      <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_MetadataExceptionStateF
ault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentExceptionFault_
FaultMessage">
          <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
          </wsdl:message>
          <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentNullExceptionFa
ult_FaultMessage">
            <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage">
              <wsdl:part name="parameters" element="i0:GetLobSystemDataByLobSystem"/>
              </wsdl:message>
              <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage">
                <wsdl:part name="parameters" element="i0:GetLobSystemDataByLobSystemResponse"/>
                </wsdl:message>
                <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InvalidOperationExceptionF
ault_FaultMessage">
                  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
                  </wsdl:message>
                  <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_BdcExceptionStateFault_Fau
ltMessage">
                    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
                    </wsdl:message>
                    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_MetadataExceptionStateFaul
t_FaultMessage">
                      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
                      </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage">
    <wsdl:part name="parameters" element="i0:SetLobSystemDataByLobSystemId"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage">
    <wsdl:part name="parameters" element="i0:SetLobSystemDataByLobSystemIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_I
nputMessage">
      <wsdl:part name="parameters"
element="i0:GetLobSystemsReferencedByEntitiesAssociatedWithModel"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_O
utputMessage">
      <wsdl:part name="parameters"
element="i0:GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_I
nvalidOperationExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_B
dcExceptionStateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_A
rgumentOutOfRangeExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_M
etadataExceptionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_A
rgumentExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_A
rgumentNullExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage">
      <wsdl:part name="parameters" element="i0:GetLobSystemByName"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetLobSystemByNameResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentNullExceptionFault_FaultMes
sage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_BdcExceptionStateFault_FaultMessage
">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemsLikeName"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemsLikeNameResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_MetadataExceptionStateFault_Fault
tMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemById"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemByIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_InvalidOperationExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_ArgumentOutOfRangeExceptionFault_Fault
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_MetadataExceptionStateFault_FaultMess
age">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemById_ArgumentNullExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityCount_InputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityCount"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityCount_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityCountResponse"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_ArgumentOutOfRangeExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_InvalidOperationExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_MetadataExceptionStateFault_FaultMessag
e">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityCount_ArgumentNullExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSystemUtilityTypeNameForLobSystem"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSystemUtilityTypeNameForLobSystemResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InvalidOperati
onExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_BdcExceptionSt
ateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_MetadataExcept
ionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentException
Fault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentNullExcep
tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentOutOfRang
eExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage">
    <wsdl:part name="parameters" element="i0:GenerateProxyAssemblyForLobSystem"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage">
    <wsdl:part name="parameters" element="i0:GenerateProxyAssemblyForLobSystemResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentOutOfRangeEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_BdcExceptionStateFau
lt_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InvalidOperationExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_MetadataExceptionSta
teFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentNullExcep
tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage">
    <wsdl:part name="parameters" element="i0:DeleteProxyAssemblyForLobSystem"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage">
    <wsdl:part name="parameters" element="i0:DeleteProxyAssemblyForLobSystemResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_BdcExceptionStateFault
_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentOutOfRangeExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentNullExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemInstancesForLobSystem"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemInstancesForLobSystemResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentOutOfRangeEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemInstanceById"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLobSystemInstanceByIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_MetadataExceptionStateFault_FaultMessage">

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        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentNullExceptionFault_Fa
ultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage">
        <wsdl:part name="parameters" element="i0:GetDataClassesForSystem"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetDataClassesForSystemResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentOutOfRangeExceptionFau
lt_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_BdcExceptionStateFault_FaultMe
ssage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_InvalidOperationExceptionFault
_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_MetadataExceptionStateFault_Fa
ultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentExceptionFault_FaultMe
ssage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentNullExceptionFault_Fa
ultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetDataClassById_InputMessage">
        <wsdl:part name="parameters" element="i0:GetDataClassById"/>

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</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetDataClassById_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetDataClassByIdResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_ArgumentOutOfRangeExceptionFault_FaultM
essage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_InvalidOperationExceptionFault_FaultM
essage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_MetadataExceptionStateFault_FaultMess
age">
  <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_ArgumentExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetDataClassById_ArgumentNullExceptionFault_FaultMessa
ge">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage">
  <wsdl:part name="parameters" element="i0:GetEntitiesReferencedByModelId"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetEntitiesReferencedByModelIdResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentExceptionFault_
FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentOutOfRangeExceptionF
ault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
</wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_BdcExceptionStateFault_
FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InvalidOperationExcepti
onFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_MetadataExceptionStateF
ault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentNullExceptionFa
ult_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage">
    <wsdl:part name="parameters" element="i0:GetEntitiesLikeNameAndNamespace"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetEntitiesLikeNameAndNamespaceResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_BdcExceptionStateFault
_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentOutOfRangeExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentExceptionFault
_FaultMessage">

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityWithNameAndNamespace"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityWithNameAndNamespaceResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityWithNameAndNamespaceAndVersion"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMessage">
  >

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        <wsdl:part name="parameters"
element="i0:GetEntityWithNameAndNamespaceAndVersionResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_ArgumentExcept
ionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_ArgumentNullEx
ceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_ArgumentOutOfR
angeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_BdcExceptionSt
ateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InvalidOperati
onExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_MetadataExcept
ionStateFault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage">
        <wsdl:part name="parameters" element="i0:GetEntitiesForSystem"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetEntitiesForSystemResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_InvalidOperationExceptionFault_Fa
ultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_BdcExceptionStateFault_FaultMessa
ge">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentOutOfRangeExceptionFault_
FaultMessage">

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        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForSystem_MetadataExceptionStateFault_Fault
    Message">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
        element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentExceptionFault_FaultMessa
    ge">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentNullExceptionFault_FaultM
    essage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage">
        <wsdl:part name="parameters" element="i0:GetEntitiesForAssociationAndRole"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetEntitiesForAssociationAndRoleResponse"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InvalidOperationExcep
    tionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentOutOfRangeExc
    eptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_BdcExceptionStateFaul
    t_FaultMessage">
        <wsdl:part
        xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
        name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_MetadataExceptionStat
    eFault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
        element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
    name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentExceptionFaul
    t_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
        element="q1:ArgumentException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentNullException
Fault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage">
    <wsdl:part name="parameters" element="i0:SetDefaultActionForEntity"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage">
    <wsdl:part name="parameters" element="i0:SetDefaultActionForEntityResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentNullExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentOutOfRangeExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_BdcExceptionStateFault_Fault
Message">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_InvalidOperationExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultActionForEntity_MetadataExceptionStateFault_
FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_InputM
essage">
    <wsdl:part name="parameters"
element="i0:GetEntityNameAndNamespacesForAssociationAndRole"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Output
Message">
    <wsdl:part name="parameters"
element="i0:GetEntityNameAndNamespacesForAssociationAndRoleResponse"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_BdcExc
eptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Argume
ntExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Argume
ntOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Invali
dOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Metada
taExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_Argume
ntNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityById"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetEntityById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetEntityByIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_InvalidOperationExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_MetadataExceptionStateFault_FaultMessage
">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetEntityById_ArgumentNullExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_EntityCreate_InputMessage">
    <wsdl:part name="parameters" element="i0:EntityCreate"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_EntityCreate_OutputMessage">
    <wsdl:part name="parameters" element="i0:EntityCreateResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_MetadataExceptionStateFault_FaultMessage"
>
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_ArgumentOutOfRangeExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_PackageFormatExceptionStateFault_FaultMes
sage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_InvalidOperationExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_EntityCreate_BdcExceptionStateFault_FaultMessage">

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    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_Activate_InputMessage">
    <wsdl:part name="parameters" element="i0:Activate"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_Activate_OutputMessage">
    <wsdl:part name="parameters" element="i0:ActivateResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_ArgumentOutOfRangeExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Activate_PackageFormatExceptionStateFault_FaultMessage
">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_Deactivate_InputMessage">
    <wsdl:part name="parameters" element="i0:Deactivate"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_Deactivate_OutputMessage">
    <wsdl:part name="parameters" element="i0:DeactivateResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_MetadataExceptionStateFault_FaultMessage">

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        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_PackageFormatExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_Deactivate_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage">
        <wsdl:part name="parameters" element="i0:BulkSwitchActiveOrValidate"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage">
        <wsdl:part name="parameters" element="i0:BulkSwitchActiveOrValidateResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentNullExceptionFault_FaultMessage">

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
    element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentOutOfRangeExcep
  tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
    element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_MetadataExceptionStateFault
  _FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
    element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_PackageFormatExceptionState
  Fault_FaultMessage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
    element="tns6:PackageFormatExceptionState"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetActionById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetActionById"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetActionById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetActionByIdResponse"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_GetActionById_ArgumentNullExceptionFault_FaultMessage"
  >
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
    element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_GetActionById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
    xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
    name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_GetActionById_ArgumentOutOfRangeExcep
  tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
    element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_GetActionById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
    element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_GetActionById_InvalidOperationExceptionFault_FaultMess
  age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
    element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
  name="BusinessDataCatalogSharedService_GetActionById_MetadataExceptionStateFault_FaultMessage
  ">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
    element="tns3:MetadataException"/>
  </wsdl:message>

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</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage">
  <wsdl:part name="parameters" element="i0:GetActionsForEntity"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetActionsForEntityResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentOutOfRangeExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_InvalidOperationExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentNullExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_MetadataExceptionStateFault_FaultMessage">
  <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionsForEntity_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetActionParameterById_InputMessage">
  <wsdl:part name="parameters" element="i0:GetActionParameterById"/>
</wsdl:message>
<wsdl:message name="BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetActionParameterByIdResponse"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_ArgumentOutOfRangeExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
</wsdl:message>
<wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_MetadataExceptionStateFault_FaultMessage">
  <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_ArgumentNullExceptionFault_Fault
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_ArgumentExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_BdcExceptionStateFault_FaultMes
sage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParameterById_InvalidOperationExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage">
    <wsdl:part name="parameters" element="i0:GetActionParametersForAction"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetActionParametersForActionResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_InvalidOperationException
Fault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentNullExceptionFaul
t_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentOutOfRangeException
Fault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_BdcExceptionStateFault_Fa
ultMessage">

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    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetActionParametersForAction_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetIdentifierById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetIdentifierById"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetIdentifierByIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_ArgumentExceptionFault_FaultMessage">
  <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifierById_BdcExceptionStateFault_FaultMessage">
  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage">
    <wsdl:part name="parameters" element="i0:GetIdentifiersForEntity"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetIdentifiersForEntityResponse"/>
  </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentNullExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentOutOfRangeExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_BdcExceptionStateFault_FaultMe
ssage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_InvalidOperationExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetIdentifiersForEntity_MetadataExceptionStateFault_Fa
ultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodById"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodByIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_MetadataExceptionStateFault_FaultMessage
">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_ArgumentNullExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_ArgumentOutOfRangeExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodById_InvalidOperationExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodsForDataClass"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodsForDataClassResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentOutOfRangeExceptionFaul
t_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_BdcExceptionStateFault_FaultMes
sage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_InvalidOperationExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_MetadataExceptionStateFault_Fau
ltMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentNullExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage">

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    <wsdl:part name="parameters" element="i0:IsMethodInstantiated"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage">
    <wsdl:part name="parameters" element="i0:IsMethodInstantiatedResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentNullExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_BdcExceptionStateFault_FaultMessa
ge">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_InvalidOperationExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_MetadataExceptionStateFault_Fault
Message">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentOutOfRangeExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetFilterDescriptorById"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetFilterDescriptorByIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_BdcExceptionStateFault_FaultMe
ssage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_InvalidOperationExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentNullExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage">
        <wsdl:part name="parameters" element="i0:GetFilterDescriptorsForMethod"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetFilterDescriptorsForMethodResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_BdcExceptionStateFault_FaultMessage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InvalidOperationExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_MetadataExceptionStateFault_FaultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentNullExceptionFault_FaultMessage">

```

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodInstanceById"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodInstanceByIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodInstancesForDataClass"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodInstancesForDataClassResponse"/>
  </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_MetadataExceptionStateF
ault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InvalidOperationExcepti
onFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_BdcExceptionStateFault_
FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentNullExceptionFa
ult_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentOutOfRangeExcep
tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodInstancesForMethod"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMethodInstancesForMethodResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_BdcExceptionStateFault_Fau
ltMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InvalidOperationExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_MetadataExceptionStateFaul
t_FaultMessage">

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    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage">
    <wsdl:part name="parameters" element="i0:CheckPathInMethodInstances"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage">
    <wsdl:part name="parameters" element="i0:CheckPathInMethodInstancesResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetParameterById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetParameterById"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetParameterById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetParameterByIdResponse"/>
  </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_MetadataExceptionStateFault_FaultMess
age">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_InvalidOperationExceptionFault_FaultM
essage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_ArgumentNullExceptionFault_FaultMessa
ge">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParameterById_ArgumentOutOfRangeExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage">
    <wsdl:part name="parameters" element="i0:GetParametersForMethod"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetParametersForMethodResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentOutOfRangeExceptionFaul
t_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_BdcExceptionStateFault_FaultMes
sage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_InvalidOperationExceptionFault_
FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessage">
    <wsdl:part name="parameters" element="i0:IsParameterReferencedByMethodInstance"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMessage">
    <wsdl:part name="parameters" element="i0:IsParameterReferencedByMethodInstanceResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessage">
      <wsdl:part name="parameters" element="i0:GetTypeReflectorTypeNameForParameter"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetTypeReflectorTypeNameForParameterResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_BdcExceptionState
Fault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InvalidOperationE
xceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_MetadataException
StateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentException
Fault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentNullExcep
tionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentOutOfRang
eExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescripto
r_InputMessage">
      <wsdl:part name="parameters"
element="i0:GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescripto
r_OutputMessage">
      <wsdl:part name="parameters"
element="i0:GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescripto
r_MetadataExceptionStateFault_FaultMessage">

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    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
      </wsdl:message>
      <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentExceptionFault_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
        </wsdl:message>
        <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage">
          <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
          </wsdl:message>
          <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage">
            <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
            </wsdl:message>
            <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMessage">
              <wsdl:part name="parameters" element="i0:GetFieldTypeDescriptorsByMethodInstance"/>
              </wsdl:message>
              <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMessage"
>
                <wsdl:part name="parameters"
element="i0:GetFieldTypeDescriptorsByMethodInstanceResponse"/>
                </wsdl:message>
                <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_BdcExceptionStateFault_FaultMessage">
                  <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
                  </wsdl:message>
                  <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InvalidOperationExceptionFault_FaultMessage">
                    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
                    </wsdl:message>
                    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_MetadataExceptionStateFault_FaultMessage">
                      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_ArgumentExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_ArgumentNullEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_ArgumentOutOfR
angeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetTypeDescriptorById"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetTypeDescriptorByIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_MetadataExceptionStateFault_Faul
tMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_BdcExceptionStateFault_FaultMess
age">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_InvalidOperationExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentOutOfRangeExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage">
    <wsdl:part name="parameters" element="i0:GetRootTypeDescriptorForParameter"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetRootTypeDescriptorForParameterResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage">
    <wsdl:part name="parameters" element="i0:GetTypeDescriptorsByNameAndLevelForParameter"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage">
    <wsdl:part name="parameters"
element="i0:GetTypeDescriptorsByNameAndLevelForParameterResponse"/>
    </wsdl:part>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:part>
    </wsdl:message>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InvalidOp
erationExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_MetadataE
xceptionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentE
xceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentN
ullExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentO
utOfRangeExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage"
>
      <wsdl:part name="parameters" element="i0:GetChildTypeDescriptorsForTypeDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage
">
      <wsdl:part name="parameters"
element="i0:GetChildTypeDescriptorsForTypeDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_BdcExceptionS
tateFault_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InvalidOperat
ionExceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_MetadataExcep
tionStateFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_ArgumentExcept
tionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_ArgumentNullE
xceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_ArgumentOutOf
RangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMessage">
    <wsdl:part name="parameters" element="i0:GetTypeDescriptorsForFilterDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetTypeDescriptorsForFilterDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentOutOfRan
geExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_BdcExceptionStat
eFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InvalidOperation
ExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentExceptio
nFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentNullExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_MetadataExceptio
nStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage">
      <wsdl:part name="parameters" element="i0:GetDefaultValuesForTypeDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetDefaultValuesForTypeDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_MetadataExceptionSta
teFault_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_BdcExceptionStateFau
lt_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InvalidOperationExce
ptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentExceptionFau
lt_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentNullExceptio
nFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeEx
ceptionFault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InputMessage">
      <wsdl:part name="parameters" element="i0:SetDefaultValuesForTypeDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_OutputMessage">
      <wsdl:part name="parameters" element="i0:SetDefaultValuesForTypeDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_BdcExceptionStateFau
lt_FaultMessage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InvalidOperationExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_MetadataExceptionSta
teFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentNullExceptio
nFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage">
    <wsdl:part name="parameters" element="i0>DeleteDefaultValueForTypeDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage">
    <wsdl:part name="parameters" element="i0>DeleteDefaultValueForTypeDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_BdcExceptionStateF
ault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InvalidOperationEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_MetadataExceptionS
tateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentNullExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentOutOfRange
ExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLevelForTypeDescriptor"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLevelForTypeDescriptorResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_MetadataExceptionStateFault_
FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_BdcExceptionStateFault_Fault
Message">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InvalidOperationExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentNullExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentOutOfRangeExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage">
    <wsdl:part name="parameters" element="i0:TypeDescriptorCreate"/>
    </wsdl:message>

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    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage">
      <wsdl:part name="parameters" element="i0:TypeDescriptorCreateResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_BdcExceptionStateFault_FaultMessa
ge">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_InvalidOperationExceptionFault_Fa
ultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_MetadataExceptionStateFault_Fault
Message">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentExceptionFault_FaultMessa
ge">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentNullExceptionFault_FaultM
essage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentOutOfRangeExceptionFault_
FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage">
      <wsdl:part name="parameters" element="i0:TypeDescriptorMergeXml"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage">
      <wsdl:part name="parameters" element="i0:TypeDescriptorMergeXmlResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_MetadataExceptionStateFault_Fau
ltMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_BdcExceptionStateFault_FaultMes
sage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InvalidOperationExceptionFault_
FaultMessage">

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_PackageFormatExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage">
    <wsdl:part name="parameters" element="i0:TypeDescriptorReadXml"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage">
    <wsdl:part name="parameters" element="i0:TypeDescriptorReadXmlResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_PackageFormatExceptionStateFault_FaultMessage">

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    <wsdl:part xmlns:tns6="Microsoft.SharePoint.BusinessData" name="detail"
element="tns6:PackageFormatExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentNullExceptionFault_Fault
Message">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetAssociationById_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationById"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetAssociationById_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationByIdResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_ArgumentNullExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_ArgumentOutOfRangeExceptionFault_Fa
ultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_BdcExceptionStateFault_FaultMessage
">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_InvalidOperationExceptionFault_Faul
tMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_MetadataExceptionStateFault_FaultMe
ssage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationById_ArgumentExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationsForEntityAndRole"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationsForEntityAndRoleResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_BdcExceptionStateFault
_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentOutOfRangeException
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_MetadataExceptionState
Fault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InvalidOperationExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentNullExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationsForDataClass"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationsForDataClassResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentOutOfRangeException
nFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_BdcExceptionStateFault_Fau
ltMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>

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    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_InvalidOperationExceptionF
ault_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_MetadataExceptionStateFault
_FaultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentExceptionFault_Fau
ltMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentNullExceptionFault
_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage">
      <wsdl:part name="parameters" element="i0:GetAssociationsForMethod"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetAssociationsForMethodResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_InvalidOperationExceptionFault
_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_BdcExceptionStateFault_FaultM
essage">
      <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentOutOfRangeExceptionFa
ult_FaultMessage">
      <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_MetadataExceptionStateFault_F
aultMessage">
      <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentExceptionFault_FaultM
essage">

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    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationMembersInRole"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationMembersInRoleResponse"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_BdcExceptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_InvalidOperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_MetadataExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetThrottlingRules_InputMessage">
    <wsdl:part name="parameters" element="i0:GetThrottlingRules"/>
  </wsdl:message>
  <wsdl:message name="BusinessDataCatalogSharedService_GetThrottlingRules_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetThrottlingRulesResponse"/>
  </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetThrottlingRules_ArgumentNullExceptionFault_FaultMes
sage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetThrottlingRules_AccessDeniedExceptionFault_FaultMes
sage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetThrottlingRules_BdcExceptionStateFault_FaultMessage
">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetThrottlingRules_ArgumentExceptionFault_FaultMessage
">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_AddThrottlingRule_InputMessage">
    <wsdl:part name="parameters" element="i0:AddThrottlingRule"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_AddThrottlingRule_OutputMessage">
    <wsdl:part name="parameters" element="i0:AddThrottlingRuleResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddThrottlingRule_BdcExceptionStateFault_FaultMessage"
>
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddThrottlingRule_AccessDeniedExceptionFault_FaultMess
age">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddThrottlingRule_ArgumentExceptionFault_FaultMessage"
>
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddThrottlingRule_ArgumentNullExceptionFault_FaultMess
age">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveThrottlingRule_InputMessage">
    <wsdl:part name="parameters" element="i0:RemoveThrottlingRule"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_RemoveThrottlingRule_OutputMessage">

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        <wsdl:part name="parameters" element="i0:RemoveThrottlingRuleResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveThrottlingRule_AccessDeniedExceptionFault_FaultM
essage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:AccessDeniedException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveThrottlingRule_ArgumentNullExceptionFault_FaultM
essage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveThrottlingRule_BdcExceptionStateFault_FaultMessa
ge">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_RemoveThrottlingRule_ArgumentExceptionFault_FaultMessa
ge">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAssociationGroupById"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAssociationGroupByIdResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_MetadataExceptionStateFault_Fa
ultMessage">
        <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentNullExceptionFault_Fau
ltMessage">
        <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_BdcExceptionStateFault_FaultMe
ssage">
        <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_InvalidOperationExceptionFault
_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationGroupsForEntity"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAssociationGroupsForEntityResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_BdcExceptionStateFault_F
aultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_MetadataExceptionStateFa
ult_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentOutOfRangeExcept
ionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InvalidOperationExceptionF
ault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentNullExceptionFau
lt_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InputMessa
ge">
    <wsdl:part name="parameters" element="i0:GetAssociationReferencesForAssociationGroup"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_OutputMess
age">
    <wsdl:part name="parameters"
element="i0:GetAssociationReferencesForAssociationGroupResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentOu
tOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_BdcExcepti
onStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_InvalidOpe
rationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_MetadataEx
ceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentEx
ceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_ArgumentNu
llExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputMessage
">
    <wsdl:part name="parameters" element="i0:AddAssociationReferenceToAssociationGroup"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_OutputMessag
e">
    <wsdl:part name="parameters"
element="i0:AddAssociationReferenceToAssociationGroupResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_MetadataExce
ptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentOutO
fRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_BdcException
StateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InvalidOpera
tionExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentExce
ptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentNull
ExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMe
ssage">
    <wsdl:part name="parameters"
element="i0:DeleteAssociationReferenceFromAssociationGroup"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputM
essage">
    <wsdl:part name="parameters"
element="i0:DeleteAssociationReferenceFromAssociationGroupResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Invalid
OperationExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Argumen
tNullExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Argumen
tOutOfRangeExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>

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    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Argumen
tExceptionFault_FaultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_BdcExce
ptionStateFault_FaultMessage">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_Metadat
aExceptionStateFault_FaultMessage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage">
    <wsdl:part name="parameters" element="i0:GetXmlSchemaForView"/>
    </wsdl:message>
    <wsdl:message name="BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetXmlSchemaForViewResponse"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_BdcExceptionStateFault_FaultMessag
e">
    <wsdl:part
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
name="detail" element="tns:BdcExceptionState"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentExceptionFault_FaultMessag
e">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_InvalidOperationExceptionFault_Fau
ltMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:InvalidOperationException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_MetadataExceptionStateFault_FaultM
essage">
    <wsdl:part xmlns:tns3="Microsoft.BusinessData.SharePoint" name="detail"
element="tns3:MetadataException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentOutOfRangeExceptionFault_F
aultMessage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentOutOfRangeException"/>
    </wsdl:message>
    <wsdl:message
name="BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentNullExceptionFault_FaultMe
ssage">
    <wsdl:part xmlns:q1="http://schemas.datacontract.org/2004/07/System" name="detail"
element="q1:ArgumentNullException"/>
    </wsdl:message>

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<wsdl:portType name="BusinessDataCatalogSharedService">
  <wsdl:operation name="GetServiceApplicationId">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetServiceApplicationId"
message="i0:BusinessDataCatalogSharedService_GetServiceApplicationId_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetServiceApplicationIdResponse"
message="i0:BusinessDataCatalogSharedService_GetServiceApplicationId_OutputMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetAllPartitionIds">
      <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIds"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_InputMessage"/>
      <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsResponse"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_BdcExceptionStateFault_FaultM
essage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_AccessDeniedExceptionFault_Fa
ultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_InvalidOperationExceptionFaul
t_FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPartitionIdsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPartitionIds_MetadataExceptionStateFault_F
aultMessage"/>
      </wsdl:operation>
      <wsdl:operation name="ReadSlicedXml">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXml"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_InputMessage"/>
        <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlResponse"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_OutputMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_BdcExceptionStateFault_FaultMessag
e"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ReadSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_AccessDeniedExceptionFault_FaultMe
ssage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/ReadSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ReadSlicedXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ReadSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="WriteSlicedXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXml"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlResponse"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_AccessDeniedExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/WriteSlicedXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_MetadataExceptionStateFault_Fault
Message"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_PackageFormatExceptionStateFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentExceptionFault_FaultMessa
ge"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/WriteSlicedXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_WriteSlicedXml_ArgumentNullExceptionFault_FaultM
essage"/>
  </wsdl:operation>
  <wsdl:operation name="HaveRights">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRights" message="i0:BusinessDataCatalogSharedService_HaveRights_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsResponse"
message="i0:BusinessDataCatalogSharedService_HaveRights_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_ArgumentNullExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_ArgumentOutOfRangeExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_BdcExceptionStateFault_FaultMessage"/
>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_InvalidOperationExceptionFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_MetadataExceptionStateFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/HaveRightsArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_HaveRights_ArgumentExceptionFault_FaultMessage"/
>
  </wsdl:operation>
  <wsdl:operation name="GetAllLocalizedNamesForMetadataObjectStruct">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStruct"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inpu
tMessage"/>

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    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructResponse"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Outp
utMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Meta
dataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Argu
mentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_BdcE
xceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Inva
lidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Argu
mentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNamesForMetadataObjectStruct_Argu
mentNullExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetAllLocalizedNames">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNames"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesResponse"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_MetadataExceptionStateFault
_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllLocalizedNamesArgumentOutOfRangeExceptionFault"

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name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllLocalizedNames_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAllPropertiesForMetadataObjectStruct">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStruct"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructResponse"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAllPropertiesForMetadataObjectStructArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"

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message="i0:BusinessDataCatalogSharedService_GetAllPropertiesForMetadataObjectStruct_Argument
OutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAllProperties">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllProperties"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesResponse"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentOutOfRangeException"
name="ArgumentOutOfRangeException"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_ArgumentOutOfRangeException_Faul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_BdcExceptionStateFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesInvalidOperationException"
name="InvalidOperationException"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_InvalidOperationException_Faul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_MetadataExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentException" name="ArgumentException"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_ArgumentException_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAllPropertiesArgumentNullException" name="ArgumentNullException"
message="i0:BusinessDataCatalogSharedService_GetAllProperties_ArgumentNullException_Faul
tMessage"/>
  </wsdl:operation>
  <wsdl:operation name="SaveLocalizedName">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedName"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameResponse"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameArgumentOutOfRangeException"
name="ArgumentOutOfRangeException"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentOutOfRangeException_Fau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SaveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveLocalizedName_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="ClearLocalizedNames">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNames"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesResponse"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ClearLocalizedNamesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"

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message="i0:BusinessDataCatalogSharedService_ClearLocalizedNames_ArgumentNullExceptionFault_F
aultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="RemoveLocalizedName">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedName"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameResponse"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_InvalidOperationExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_BdcExceptionStateFault_Fault
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentOutOfRangeExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_MetadataExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentExceptionFault_Fault
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveLocalizedNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveLocalizedName_ArgumentNullExceptionFault_F
aultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="SaveProperty">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SaveProperty"
message="i0:BusinessDataCatalogSharedService_SaveProperty_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyResponse"
message="i0:BusinessDataCatalogSharedService_SaveProperty_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_MetadataExceptionStateFault_FaultMe
ssage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_BdcExceptionStateFault_FaultMessage
"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_InvalidOperationExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_ArgumentExceptionFault_FaultMessage
"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_ArgumentNullExceptionFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SavePropertyArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SaveProperty_ArgumentOutOfRangeExceptionFault_Fa
ultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="ClearProperties">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearProperties"
message="i0:BusinessDataCatalogSharedService_ClearProperties_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesResponse"
message="i0:BusinessDataCatalogSharedService_ClearProperties_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_BdcExceptionStateFault_FaultMess
age"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_InvalidOperationExceptionFault_F
aultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_MetadataExceptionStateFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_ArgumentExceptionFault_FaultMess
age"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_ArgumentNullExceptionFault_Fault
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ClearPropertiesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ClearProperties_ArgumentOutOfRangeExceptionFault
_FaultMessage"/>
    </wsdl:operation>

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    <wsdl:operation name="RemoveProperty">
      <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveProperty"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_InputMessage"/>
      <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyResponse"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_BdcExceptionStateFault_FaultMessa
ge"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_InvalidOperationExceptionFault_Fa
ultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_MetadataExceptionStateFault_Fault
Message"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_ArgumentExceptionFault_FaultMessa
ge"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_ArgumentNullExceptionFault_FaultM
essage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemovePropertyArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveProperty_ArgumentOutOfRangeExceptionFault_
FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetAccessControlEntries">
      <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntries"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_InputMessage"/>
      <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntriesResponse"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntriesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_InvalidOperationException
nFault_FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_BdcExceptionStateFault_
FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAccessControlEntriesMetadataExceptionStateFault"

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name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="SetAccessControlEntries">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntries"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesResponse"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetAccessControlEntriesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetAccessControlEntries_ArgumentNullExceptionFault_FaultMessage"/>

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    </wsdl:operation>
    <wsdl:operation name="MetadataObjectCreate">
      <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreate"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_InputMessage"/>
      <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_MetadataExceptionStateFault
_FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_BdcExceptionStateFault_Faul
tMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentOutOfRangeException
Fault_FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_InvalidOperationExceptionFa
ult_FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentExceptionFault_Faul
tMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectCreate_ArgumentNullExceptionFault_
FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="Update">
      <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Update" message="i0:BusinessDataCatalogSharedService_Update_InputMessage"/>
      <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateResponse"
message="i0:BusinessDataCatalogSharedService_Update_OutputMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_Update_InvalidOperationExceptionFault_FaultMessa
ge"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Update_BdcExceptionStateFault_FaultMessage"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"

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message="i0:BusinessDataCatalogSharedService_Update_ArgumentOutOfRangeExceptionFault_FaultMes
sage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Update_MetadataExceptionStateFault_FaultMessage"
/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_Update_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/UpdateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_Update_ArgumentNullExceptionFault_FaultMessage"/
>
  </wsdl:operation>
  <wsdl:operation name="Delete">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Delete" message="i0:BusinessDataCatalogSharedService_Delete_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteResponse"
message="i0:BusinessDataCatalogSharedService_Delete_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Delete_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_Delete_InvalidOperationExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Delete_MetadataExceptionStateFault_FaultMessage"
/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_Delete_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_Delete_ArgumentNullExceptionFault_FaultMessage"/
>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_Delete_ArgumentOutOfRangeExceptionFault_FaultMes
sage"/>
  </wsdl:operation>
  <wsdl:operation name="MetadataObjectMergeXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXml"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_BdcExceptionStateFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_InvalidOperationException
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_PackageFormatExceptionSta
teFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentNullExceptionFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectMergeXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectMergeXml_ArgumentOutOfRangeException
Fault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="MetadataObjectReadXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXml"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXmlResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_BdcExceptionStateFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_InvalidOperationException
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectReadXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="MetadataObjectWriteXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXml"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXmlResponse"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService_MetadataObjectWriteXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_PackageFormatExceptionStateFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/MetadataObjectWriteXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_MetadataObjectWriteXml_ArgumentNullExceptionFaul
t_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="CopyAclAcrossChildren">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildren"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenResponse"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_MetadataExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_InvalidOperationExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentNullExceptionFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildren_ArgumentOutOfRangeException
nFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="CopyAclAcrossChildrenForSetting">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSetting"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingResponse"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_BdcExceptionStat
eFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_InvalidOperation
ExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_MetadataExceptio
nStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentExceptio
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentNullExce
ptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclAcrossChildrenForSettingArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclAcrossChildrenForSetting_ArgumentOutOfRan
geExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="CopyAclToSetting">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSetting"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_InputMessage"/>
        <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingResponse"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_OutputMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_MetadataExceptionStateFault_Fau
ltMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentOutOfRangeExceptionFaul
t_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_BdcExceptionStateFault_FaultMes
sage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/CopyAclToSettingInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_InvalidOperationExceptionFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentExceptionFault_FaultMes
sage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CopyAclToSettingArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CopyAclToSetting_ArgumentNullExceptionFault_Faul
tMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetCacheInvalidationRecordsSince">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSince"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceResponse"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_OutputMessage"/
>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceAccessDeniedExceptionFault"
name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_AccessDeniedExc
eptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_BdcExceptionSta
teFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_InvalidOperatio
nExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_MetadataExcepti
onStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSincePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_PackageFormatEx
ceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentExcepti
onFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"

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message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentNullExc
eptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetCacheInvalidationRecordsSinceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetCacheInvalidationRecordsSince_ArgumentOutOfRange
ExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="ImportPackage">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackage"
message="i0:BusinessDataCatalogSharedService_ImportPackage_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageResponse"
message="i0:BusinessDataCatalogSharedService_ImportPackage_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_ArgumentOutOfRangeExceptionFault_F
aultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_BdcExceptionStateFault_FaultMessag
e"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_InvalidOperationExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_MetadataExceptionStateFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackagePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_PackageFormatExceptionStateFault_F
aultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_ArgumentExceptionFault_FaultMessag
e"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackage_ArgumentNullExceptionFault_FaultMe
ssage"/>
  </wsdl:operation>
  <wsdl:operation name="ImportPackageWithProgress">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgress"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/ImportPackageWithProgressResponse"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_MetadataExceptionState
Fault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_BdcExceptionStateFault
_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_InvalidOperationExcept
ionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentOutOfRangeExce
ptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_PackageFormatException
StateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentExceptionFault
_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ImportPackageWithProgressArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ImportPackageWithProgress_ArgumentNullExceptionF
ault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetImportProgress">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetImportProgress"
message="i0:BusinessDataCatalogSharedService_GetImportProgress_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetImportProgressResponse"
message="i0:BusinessDataCatalogSharedService_GetImportProgress_OutputMessage"/>
  </wsdl:operation>
<wsdl:operation name="ExportPackage">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackage"
message="i0:BusinessDataCatalogSharedService_ExportPackage_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ExportPackageResponse"
message="i0:BusinessDataCatalogSharedService_ExportPackage_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/ExportPackageInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackagePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ExportPackageArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ExportPackage_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetModelById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelById"
message="i0:BusinessDataCatalogSharedService_GetModelById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetModelById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_GetModelById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelById_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetModelsByName">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByName"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameResponse"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelsByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByName_ArgumentExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetModelByName">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByName"
message="i0:BusinessDataCatalogSharedService_GetModelByName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetModelByNameResponse"
message="i0:BusinessDataCatalogSharedService_GetModelByName_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_ArgumentOutOfRangeException_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_BdcExceptionStateFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_InvalidOperationExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_MetadataExceptionStateFault_Fault
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_ArgumentExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelByName_ArgumentNullExceptionFault_FaultM
essage"/>
    </wsdl:operation>
    <wsdl:operation name="GetModelsByEntityId">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityId"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdResponse"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_InvalidOperationExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_BdcExceptionStateFault_Fault
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentOutOfRangeExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_MetadataExceptionStateFault_
FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentExceptionFault_Fault
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetModelsByEntityIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetModelsByEntityId_ArgumentNullExceptionFault_F
aultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="AddEntityToModel">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModel"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelResponse"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentOutOfRangeExceptionFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_BdcExceptionStateFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_InvalidOperationExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_MetadataExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentExceptionFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddEntityToModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddEntityToModel_ArgumentNullExceptionFault_Faul
tMessage"/>
    </wsdl:operation>
    <wsdl:operation name="RemoveEntityFromModel">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModel"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelResponse"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_InvalidOperationExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentOutOfRangeExceptionEx
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_MetadataExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveEntityFromModelArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveEntityFromModel_ArgumentNullExceptionFault
_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="DeleteNoCascade">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascade"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeResponse"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentOutOfRangeExceptionFault
_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_BdcExceptionStateFault_FaultMess
age"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_InvalidOperationExceptionFault_F
aultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteNoCascadeMetadataExceptionStateFault" name="MetadataExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteNoCascadeArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteNoCascade_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="ModelReadXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXml"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlResponse"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_PackageFormatExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/ModelReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_ModelReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemProxyAssemblyBytesByLobSystemId">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemProxyAssemblyBytesByLobSystemId"

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message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inpu
tMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Outp
utMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Meta
dataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_BdcE
xceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Inva
lidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Argu
mentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Argu
mentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemProxyAssemblyBytesByLobSystemIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemProxyAssemblyBytesByLobSystemId_Argu
mentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemAllAssembliesBytes">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytes"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentOutOfRang
eExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_BdcExceptionState
Fault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_InvalidOperati
onExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_MetadataExcepti
onStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentExcepti
onFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemAllAssembliesBytesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemAllAssembliesBytes_ArgumentNullExcep
tionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemDataByLobSystem">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystem"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InputMessage"/>
        <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_OutputMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_InvalidOperati
onExceptionFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_BdcExceptionStateFau
lt_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_MetadataExcepti
onStateFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentExceptio
nFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentNullExceptio
nFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemDataByLobSystemArgumentOutOfRangeExceptionFault"

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name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemDataByLobSystem_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="SetLobSystemDataByLobSystemId">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemId"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdResponse"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetLobSystemDataByLobSystemIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetLobSystemDataByLobSystemId_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModel"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"

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message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemsReferencedByEntitiesAssociatedWithModelArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsReferencedByEntitiesAssociatedWithModel_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
  <wsdl:operation name="GetLobSystemByName">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByName"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetLobSystemByNameMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_MetadataExceptionStateFault_FaultMessage"/>
  </wsdl:operation>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentExceptionFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemByName_ArgumentOutOfRangeExceptionFa
ult_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemsLikeName">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeName"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentOutOfRangeExceptionEx
ceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_InvalidOperationExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_MetadataExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemsLikeNameArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemsLikeName_ArgumentNullExceptionFault
_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetLobSystemById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemById"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_InvalidOperationExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_BdcExceptionStateFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentOutOfRangeExceptionFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_MetadataExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentExceptionFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemById_ArgumentNullExceptionFault_Faul
tMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntityCount">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCount"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_InputMessage"/>
        <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_OutputMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_ArgumentOutOfRangeExceptionFault_
FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_BdcExceptionStateFault_FaultMessa
ge"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_InvalidOperationExceptionFault_Fa
ultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_MetadataExceptionStateFault_Fault
Message"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_ArgumentExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityCountArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityCount_ArgumentNullExceptionFault_FaultM
essage"/>
    </wsdl:operation>
    <wsdl:operation name="GetSystemUtilityTypeNameForLobSystem">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystem"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InputMessag
e"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_OutputMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_InvalidOper
ationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_BdcExceptio
nStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_MetadataExc
eptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentExc
eptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentNul
lExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetSystemUtilityTypeNameForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetSystemUtilityTypeNameForLobSystem_ArgumentOut
OfRangeExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GenerateProxyAssemblyForLobSystem">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystem"

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message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InputMessage"/
>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_OutputMessage"
/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentOutOfR
angeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_BdcExceptionSt
ateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_InvalidOperati
onExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_MetadataExcept
ionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentExcept
ionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GenerateProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GenerateProxyAssemblyForLobSystem_ArgumentNullEx
ceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="DeleteProxyAssemblyForLobSystem">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystem"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_InvalidOperati
onExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_BdcExceptionStat
eFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentOutOfRan
geExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_MetadataExceptio
nStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentExceptio
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteProxyAssemblyForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteProxyAssemblyForLobSystem_ArgumentNullExce
ptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemInstancesForLobSystem">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystem"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InputMessage"/
>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_OutputMessage"
/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentOutOfR
angeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_BdcExceptionSt
ateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_InvalidOperati
onExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_MetadataExcept
ionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentExceptionFault"
name="ArgumentExceptionFault"

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message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentExcept
ionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstancesForLobSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstancesForLobSystem_ArgumentNullEx
ceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetLobSystemInstanceById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceById"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_InvalidOperationExcepti
onFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentOutOfRangeExcep
tionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_BdcExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_MetadataExceptionStateF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLobSystemInstanceByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLobSystemInstanceById_ArgumentNullExceptionFa
ult_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetDataClassesForSystem">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystem"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassesForSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetDataClassesForSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassesForSystemArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassesForSystem_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetDataClassById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassById"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDataClassByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_MetadataExceptionStateFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_ArgumentExceptionFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetDataClassByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDataClassById_ArgumentNullExceptionFault_Faul
tMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntitiesReferencedByModelId">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelId"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentException
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentOutOfRang
eExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_BdcExceptionState
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_InvalidOperati
onExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_MetadataExcepti
onStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesReferencedByModelIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesReferencedByModelId_ArgumentNullExcep
tionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntitiesLikeNameAndNamespace">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespace"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_InvalidOperation
ExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_BdcExceptionStat
eFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentOutOfRan
geExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_MetadataExceptio
nStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentExceptio
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesLikeNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesLikeNameAndNamespace_ArgumentNullExce
ptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntityWithNameAndNamespace">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespace"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InputMessage"/>
        <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_OutputMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_BdcExceptionStateF
ault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentOutOfRange
ExceptionFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_InvalidOperationEx
ceptionFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_MetadataExceptions
tateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespace_ArgumentNullExcept
ionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntityWithNameAndNamespaceAndVersion">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersion"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InputMes
sage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_OutputMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argument
ExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argument
NullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Argument
OutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_BdcExcep
tionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_InvalidO
perationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityWithNameAndNamespaceAndVersionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_GetEntityWithNameAndNamespaceAndVersion_Metadata
ExceptionStateFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetEntitiesForSystem">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystem"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_InvalidOperationExceptionFa
ult_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_BdcExceptionStateFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentOutOfRangeException
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_MetadataExceptionStateFault
_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForSystemArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForSystem_ArgumentNullExceptionFault_
FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetEntitiesForAssociationAndRole">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRole"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_OutputMessage"/
>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_InvalidOperatio
nExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntitiesForAssociationAndRoleArgumentOutOfRangeExceptionFault"

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name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_BdcExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_MetadataExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentExceptionFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetEntitiesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntitiesForAssociationAndRole_ArgumentNullExceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="SetDefaultActionForEntity">
<wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntity"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InputMessage"/>
<wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityResponse"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_OutputMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentExceptionFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentNullExceptionFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_BdcExceptionStateFault_FaultMessage"/>
<wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultActionForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_InvalidOperationExceptionFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/SetDefaultActionForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultActionForEntity_MetadataExceptionState
Fault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntityNameAndNamespacesForAssociationAndRole">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRole"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityNameAndNamespacesForAssociationAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityNameAndNamespacesForAssociationAndRole_
ArgumentNullExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetEntityById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityById"
message="i0:BusinessDataCatalogSharedService_GetEntityById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetEntityById_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_ArgumentOutOfRangeExceptionFault_F
aultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_BdcExceptionStateFault_FaultMessag
e"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_InvalidOperationExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_MetadataExceptionStateFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_ArgumentExceptionFault_FaultMessag
e"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetEntityByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetEntityById_ArgumentNullExceptionFault_FaultMe
ssage"/>
    </wsdl:operation>
    <wsdl:operation name="EntityCreate">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreate"
message="i0:BusinessDataCatalogSharedService_EntityCreate_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateResponse"
message="i0:BusinessDataCatalogSharedService_EntityCreate_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_MetadataExceptionStateFault_FaultMe
ssage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_ArgumentExceptionFault_FaultMessage
"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_ArgumentOutOfRangeExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreatePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_PackageFormatExceptionStateFault_Fa
ultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_ArgumentNullExceptionFault_FaultMes
sage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_InvalidOperationExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/EntityCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_EntityCreate_BdcExceptionStateFault_FaultMessage
"/>
    </wsdl:operation>
    <wsdl:operation name="Activate">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Activate" message="i0:BusinessDataCatalogSharedService_Activate_InputMessage"/>
        <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateResponse"
message="i0:BusinessDataCatalogSharedService_Activate_OutputMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Activate_MetadataExceptionStateFault_FaultMessag
e"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_ArgumentExceptionFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_ArgumentOutOfRangeExceptionFault_FaultM
essage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Activate_BdcExceptionStateFault_FaultMessage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_InvalidOperationExceptionFault_FaultMes
sage"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_Activate_ArgumentNullExceptionFault_FaultMessage
"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/ActivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Activate_PackageFormatExceptionStateFault_FaultM
essage"/>
    </wsdl:operation>
    <wsdl:operation name="Deactivate">
        <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/Deactivate" message="i0:BusinessDataCatalogSharedService_Deactivate_InputMessage"/>

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    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateResponse"
message="i0:BusinessDataCatalogSharedService_Deactivate_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_ArgumentNullExceptionFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_MetadataExceptionStateFault_FaultMessa
ge"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivatePackageFormatExceptionStateFault" name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_PackageFormatExceptionStateFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_ArgumentExceptionFault_FaultMessage"/
>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateArgumentOutOfRangeExceptionFault" name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_ArgumentOutOfRangeExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_InvalidOperationExceptionFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeactivateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_Deactivate_BdcExceptionStateFault_FaultMessage"/
>
    </wsdl:operation>
    <wsdl:operation name="BulkSwitchActiveOrValidate">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidate"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateResponse"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_BdcExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_InvalidOperationExcep
tionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/BulkSwitchActiveOrValidateArgumentExceptionFault" name="ArgumentExceptionFault"

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message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidateMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/BulkSwitchActiveOrValidatePackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_BulkSwitchActiveOrValidate_PackageFormatExceptionStateFault_FaultMessage"/>
</wsdl:operation>
  <wsdl:operation name="GetActionById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionById"
message="i0:BusinessDataCatalogSharedService_GetActionById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetActionById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetActionByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionById_MetadataExceptionStateFault_FaultM
essage"/>
</wsdl:operation>
<wsdl:operation name="GetActionsForEntity">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntity"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityResponse"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentOutOfRangeExceptionF
ault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_InvalidOperationExceptionFau
lt_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentNullExceptionFault_F
aultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_ArgumentExceptionFault_Fault
Message"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_MetadataExceptionStateFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionsForEntity_BdcExceptionStateFault_Fault
Message"/>
</wsdl:operation>
<wsdl:operation name="GetActionParameterById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterById"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentOutOfRangeExceptionExcepi
onFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetActionParameterByIdMetadataExceptionStateFault"

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name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParameterByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParameterById_InvalidOperationExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetActionParametersForAction">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForAction"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForActionResponse"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForActionInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForActionArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForActionArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForActionArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetActionParametersForActionBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetActionParametersForActionMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetActionParametersForAction_MetadataExceptionSt
ateFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetIdentifierById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierById"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentOutOfRangeExceptionFau
lt_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_InvalidOperationExceptionFault
_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentNullExceptionFault_Fau
ltMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_MetadataExceptionStateFault_Fa
ultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_ArgumentExceptionFault_FaultMe
ssage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifierByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifierById_BdcExceptionStateFault_FaultMe
ssage"/>
  </wsdl:operation>
<wsdl:operation name="GetIdentifiersForEntity">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntity"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityResponse"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentExceptionFault_F
aultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetIdentifiersForEntityArgumentNullExceptionFault"

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name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetIdentifiersForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetIdentifiersForEntity_MetadataExceptionStateFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetMethodById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodById"
message="i0:BusinessDataCatalogSharedService_GetMethodById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShared

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edService/GetMethodByIdInvalidOperationExceptionFault" name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodById_InvalidOperationExceptionFault_Fa
ltMessage"/>
</wsdl:operation>
<wsdl:operation name="GetMethodsForDataClass">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClass"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentOutOfRangeExceptionExcepci
onFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_BdcExceptionStateFault_Fa
ultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_InvalidOperationException
Fault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_MetadataExceptionStateFau
lt_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentExceptionFault_Fa
ultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodsForDataClassArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodsForDataClass_ArgumentNullExceptionFaul
t_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="IsMethodInstantiated">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiated"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedResponse"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentNullExceptionFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsMethodInstantiatedBdcExceptionStateFault" name="BdcExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/IsMethodInstantiatedArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsMethodInstantiated_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetFilterDescriptorById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorById"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShared

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edService/GetFilterDescriptorByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetFilterDescriptorsForMethod">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethod"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodResponse"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFilterDescriptorsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFilterDescriptorsForMethod_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
<wsdl:operation name="GetMethodInstanceById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceById"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetMethodInstanceByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentNullExceptionFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_InvalidOperationExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_MetadataExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentExceptionFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstanceByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstanceById_ArgumentOutOfRangeExceptionEx
ceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetMethodInstancesForDataClass">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClass"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_MetadataException
StateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_InvalidOperationE
xceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_BdcExceptionState
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentException
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"

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message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentNullExcept
tionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForDataClass_ArgumentOutOfRang
eExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetMethodInstancesForMethod">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethod"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodResponse"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_BdcExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_InvalidOperationExce
ptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_MetadataExceptionSta
teFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentNullExceptio
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetMethodInstancesForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetMethodInstancesForMethod_ArgumentOutOfRangeEx
ceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="CheckPathInMethodInstances">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstances"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesResponse"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/CheckPathInMethodInstancesMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_MetadataExceptionStat
eFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_BdcExceptionStateFaul
t_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentExceptionFaul
t_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/CheckPathInMethodInstancesArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_CheckPathInMethodInstances_ArgumentNullException
Fault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetParameterById">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterById"
message="i0:BusinessDataCatalogSharedService_GetParameterById_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetParameterById_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetParameterById_MetadataExceptionStateFault_Fau
ltMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetParameterById_BdcExceptionStateFault_FaultMes
sage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParameterById_InvalidOperationExceptionFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParameterById_ArgumentExceptionFault_FaultMes
sage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParameterById_ArgumentNullExceptionFault_Faul
tMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParameterByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParameterById_ArgumentOutOfRangeExceptionFaul
t_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetParametersForMethod">

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    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethod"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodResponse"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentOutOfRangeExceptionExcepci
onFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_BdcExceptionStateFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_InvalidOperationException
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetParametersForMethodArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetParametersForMethod_ArgumentNullExceptionFau
lt_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="IsParameterReferencedByMethodInstance">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstance"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InputMessa
ge"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceResponse"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_OutputMess
age"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentEx
ceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_BdcExcepti
onStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_InvalidOpe
rationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_MetadateXc
eptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentNu
llExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/IsParameterReferencedByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_IsParameterReferencedByMethodInstance_ArgumentOu
tOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
  <wsdl:operation name="GetTypeReflectorTypeNameForParameter">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameter"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InputMessag
e"/>
      <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterResponse"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_OutputMessa
ge"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_BdcExceptio
nStateFault_FaultMessage"/>
          <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_InvalidOper
ationExceptionFault_FaultMessage"/>
            <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_MetadateExc
eptionStateFault_FaultMessage"/>
              <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentExc
eptionFault_FaultMessage"/>
                <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeReflectorTypeNameForParameterArgumentNullExceptionFault"

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name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeReflectorTypeNameForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeReflectorTypeNameForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetFieldTypeDescriptorsByMethodInstance">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetFieldTypeDescriptorsByMethodInstance"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InputMessage"/>

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    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceResponse"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_OutputMe
ssage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_BdcExcep
tionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_InvalidO
perationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Metadate
ExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argument
ExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argument
NullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetFieldTypeDescriptorsByMethodInstanceArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetFieldTypeDescriptorsByMethodInstance_Argument
OutOfRangeExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetTypeDescriptorById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorById"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_MetadataExceptionStateFaul
t_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_BdcExceptionStateFault_Fau
ltMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/GetTypeDescriptorByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetRootTypeDescriptorForParameter">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameter"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterResponse"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetRootTypeDescriptorForParameterArgumentOutOfRangeExceptionFault"

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name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetRootTypeDescriptorForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetTypeDescriptorsByNameAndLevelForParameter">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameter"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterResponse"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsByNameAndLevelForParameterArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsByNameAndLevelForParameter_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="GetChildTypeDescriptorsForTypeDescriptor">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetChildTypeDescriptorsForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_BdcExce
ptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Invalid
OperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Metadat
aExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argumen
tExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argumen
tNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetChildTypeDescriptorsForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetChildTypeDescriptorsForTypeDescriptor_Argumen
tOutOfRangeExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetTypeDescriptorsForFilterDescriptor">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptor"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InputMessa
ge"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_OutputMess
age"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentOu
tOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_BdcExcepti
onStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetTypeDescriptorsForFilterDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"

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message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsForFilterDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsForFilterDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetTypeDescriptorsForFilterDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetTypeDescriptorsForFilterDescriptor_MetadataExceptionStateFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetDefaultValuesForTypeDescriptor">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"

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name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
</wsdl:operation>
<wsdl:operation name="SetDefaultValuesForTypeDescriptor">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentNullExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/SetDefaultValuesForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_SetDefaultValuesForTypeDescriptor_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  </wsdl:operation>
<wsdl:operation name="DeleteDefaultValueForTypeDescriptor">
  <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteDefaultValueForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentExce
ptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_BdcException
StateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_InvalidOpera
tionExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_MetadataExce
ptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentNull
ExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/DeleteDefaultValueForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteDefaultValueForTypeDescriptor_ArgumentOutO
fRangeExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetLevelForTypeDescriptor">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptor"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorResponse"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_MetadataExceptionState
Fault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_BdcExceptionStateFault
_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_InvalidOperationExcept
ionFault_FaultMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentExceptionFault
_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentNullExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetLevelForTypeDescriptorArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetLevelForTypeDescriptor_ArgumentOutOfRangeExce
ptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="TypeDescriptorCreate">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreate"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateResponse"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_BdcExceptionStateFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_InvalidOperationExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_MetadataExceptionStateFault
_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentExceptionFault_Faul
tMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentNullExceptionFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorCreateArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorCreate_ArgumentOutOfRangeException
Fault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="TypeDescriptorMergeXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/TypeDescriptorMergeXml"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlResponse"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_MetadataExceptionStateFau
lt_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_BdcExceptionStateFault_Fa
ultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_InvalidOperationException
Fault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_PackageFormatExceptionSta
teFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentExceptionFault_Fa
ultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentNullExceptionFau
lt_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorMergeXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorMergeXml_ArgumentOutOfRangeException
Fault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="TypeDescriptorReadXml">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXml"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlResponse"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_MetadataExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/TypeDescriptorReadXmlBdcExceptionStateFault" name="BdcExceptionStateFault"

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message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_BdcExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlPackageFormatExceptionStateFault"
name="PackageFormatExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_PackageFormatExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/TypeDescriptorReadXmlArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_TypeDescriptorReadXml_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationById"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShared

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edService/GetAssociationByIdMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_MetadataExceptionStateFault_F
aultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationByIdArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationById_ArgumentExceptionFault_FaultM
essage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationsForEntityAndRole">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRole"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_BdcExceptionStat
eFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentOutOfRan
geExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_MetadataExceptio
nStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_InvalidOperatio
nExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentExceptio
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForEntityAndRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForEntityAndRole_ArgumentNullExce
ptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationsForDataClass">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClass"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_OutputMessage"/>

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    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentOutOfRangeExceptionEx
ceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_BdcExceptionStateFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_InvalidOperationExce
ptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_MetadataExceptionSta
teFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForDataClassArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForDataClass_ArgumentNullExceptio
nFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="GetAssociationsForMethod">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethod"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_InvalidOperationExcepti
onFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_BdcExceptionStateFault_
FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentOutOfRangeExceptionExcep
tionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationsForMethodMetadataExceptionStateFault"

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name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_MetadataExceptionStateFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForMethodArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationsForMethodArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationsForMethod_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationMembersInRole">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRole"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_MetadataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetAssociationMembersInRoleArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationMembersInRole_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetThrottlingRules">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/GetThrottlingRules"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_InputMessage"/>

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    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesResponse"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_ArgumentNullExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_AccessDeniedExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_BdcExceptionStateFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetThrottlingRulesArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetThrottlingRules_ArgumentExceptionFault_FaultM
essage"/>
    </wsdl:operation>
    <wsdl:operation name="AddThrottlingRule">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRule"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleResponse"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_BdcExceptionStateFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_AccessDeniedExceptionFault_Fa
ultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_ArgumentExceptionFault_FaultM
essage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddThrottlingRuleArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddThrottlingRule_ArgumentNullExceptionFault_Fa
ultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="RemoveThrottlingRule">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRule"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar

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edService/RemoveThrottlingRuleResponse"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_OutputMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRuleAccessDeniedExceptionFault" name="AccessDeniedExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_AccessDeniedExceptionFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRuleArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_ArgumentNullExceptionFault_
FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRuleBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_BdcExceptionStateFault_Faul
tMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/RemoveThrottlingRuleArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_RemoveThrottlingRule_ArgumentExceptionFault_Faul
tMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationGroupById">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupById"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_MetadataExceptionStateFa
ult_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentOutOfRangeExceptionExce
ptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentNullExceptionFau
lt_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_BdcExceptionStateFault_F
aultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_InvalidOperationException
nFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupByIdArgumentExceptionFault" name="ArgumentExceptionFault"

```

```

message="i0:BusinessDataCatalogSharedService_GetAssociationGroupById_ArgumentExceptionFault_F
aultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationGroupsForEntity">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntity"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_BdcExceptionStateF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_MetadataExceptionS
tateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentOutOfRange
ExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_InvalidOperationEx
ceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentExceptionF
ault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationGroupsForEntityArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationGroupsForEntity_ArgumentNullExcept
ionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetAssociationReferencesForAssociationGroup">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroup"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Inpu
tMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupResponse"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Outp
utMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Argu
mentOutOfRangeExceptionFault_FaultMessage"/>

```

```

    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_BdcE
xceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Inva
lidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Meta
dataExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Argu
mentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetAssociationReferencesForAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetAssociationReferencesForAssociationGroup_Argu
mentNullExceptionFault_FaultMessage"/>
    </wsdl:operation>
    <wsdl:operation name="AddAssociationReferenceToAssociationGroup">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroup"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InputM
essage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupResponse"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Output
Message"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Metada
taExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_Argume
ntOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_BdcExc
eptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/AddAssociationReferenceToAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"

```

```

message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_InvalidOperationExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentExceptionFault_FaultMessage"/>
  <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/AddAssociationReferenceToAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_AddAssociationReferenceToAssociationGroup_ArgumentNullExceptionFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="DeleteAssociationReferenceFromAssociationGroup">
    <wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroup"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InputMessage"/>
    <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupResponse"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_InvalidOperationExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentNullExceptionFault"
name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_ArgumentNullExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_ArgumentOutOfRangeExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupArgumentExceptionFault"
name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_ArgumentExceptionFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupBdcExceptionStateFault"
name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_BdcExceptionStateFault_FaultMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogSharedService/DeleteAssociationReferenceFromAssociationGroupMetadataExceptionStateFault"
name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_DeleteAssociationReferenceFromAssociationGroup_MetadataExceptionStateFault_FaultMessage"/>
  </wsdl:operation>
  <wsdl:operation name="GetXmlSchemaForView">

```

```
<wsdl:input
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForView"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_InputMessage"/>
  <wsdl:output
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewResponse"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_OutputMessage"/>
    <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewBdcExceptionStateFault" name="BdcExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_BdcExceptionStateFault_Fault
Message"/>
      <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentExceptionFault" name="ArgumentExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentExceptionFault_Fault
Message"/>
        <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewInvalidOperationExceptionFault"
name="InvalidOperationExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_InvalidOperationExceptionFau
lt_FaultMessage"/>
          <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewMetadataExceptionStateFault" name="MetadataExceptionStateFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_MetadataExceptionStateFault_
FaultMessage"/>
            <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentOutOfRangeExceptionFault"
name="ArgumentOutOfRangeExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentOutOfRangeExceptionF
ault_FaultMessage"/>
              <wsdl:fault
wsaw:Action="http://www.microsoft.com/Office/2009/BusinessDataCatalog/BusinessDataCatalogShar
edService/GetXmlSchemaForViewArgumentNullExceptionFault" name="ArgumentNullExceptionFault"
message="i0:BusinessDataCatalogSharedService_GetXmlSchemaForView_ArgumentNullExceptionFault_F
aultMessage"/>
                </wsdl:operation>
            </wsdl:portType>
        </wsdl:definitions>
```

## 7 Appendix B: Full XML Schema

For ease of implementation, the following sections provide the full XML schema for this protocol.

Schema name	Prefix	Section
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure</a>	tns	<a href="#">7.1</a>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel</a>	tns1	<a href="#">7.2</a>
<a href="http://www.microsoft.com/Office/2009/BusinessDataCatalog">http://www.microsoft.com/Office/2009/BusinessDataCatalog</a>	i0	<a href="#">7.3</a>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime</a>	tns2	<a href="#">7.4</a>
Microsoft.BusinessData.SharePoint	tns3	<a href="#">7.5</a>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific">http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific</a>	tns4	<a href="#">7.6</a>
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants">http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants</a>	tns5	<a href="#">7.7</a>
Microsoft.SharePoint.BusinessData	tns6	<a href="#">7.8</a>
<a href="http://schemas.microsoft.com/2003/10/Serialization/Arrays">http://schemas.microsoft.com/2003/10/Serialization/Arrays</a>	q7	<a href="#">7.9</a>
<a href="http://schemas.microsoft.com/2003/10/Serialization/">http://schemas.microsoft.com/2003/10/Serialization/</a>	ser	<a href="#">7.10</a>
<a href="http://schemas.datacontract.org/2004/07/System">http://schemas.datacontract.org/2004/07/System</a>	q1	<a href="#">7.11</a>

### 7.1

#### <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure> Schema

```
<?xml version="1.0"?>
<xs:schema
  xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd4"
    namespace="http://schemas.datacontract.org/2004/07/System"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
    namespace="http://schemas.microsoft.com/2003/10/Serialization"/>
  <xs:complexType name="BdcExceptionState">
    <xs:sequence>
      <xs:element minOccurs="0" name="InnerExceptionToStringed" nillable="true"
        type="xs:string"/>
      <xs:element minOccurs="0" name="InnerExceptionTypeFullName" nillable="true"
        type="xs:string"/>
      <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="BdcExceptionState" nillable="true" type="tns:BdcExceptionState"/>
  <xs:complexType name="AccessDeniedExceptionState">
```

```

    <xs:complexContent mixed="false">
      <xs:extension base="tns:BdcExceptionState">
        <xs:sequence>
          <xs:element minOccurs="0" name="CurrentIdentity" nillable="true" type="xs:string"/>
          <xs:element minOccurs="0" name="SecurableObjectName" nillable="true"
type="xs:string"/>
          <xs:element minOccurs="0" name="SecurableObjectTypeName" nillable="true"
type="xs:string"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="AccessDeniedExceptionState" nillable="true"
type="tns:AccessDeniedExceptionState"/>
  <xs:complexType name="AccessDeniedException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:BdcException"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="AccessDeniedException" nillable="true" type="tns:AccessDeniedException"/>
  <xs:complexType name="BdcException">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:Exception"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="BdcException" nillable="true" type="tns:BdcException"/>
  <xs:simpleType name="BdcRights">
    <xs:list>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="None"/>
          <xs:enumeration value="Execute"/>
          <xs:enumeration value="Edit"/>
          <xs:enumeration value="SetPermissions"/>
          <xs:enumeration value="UseInBusinessDataInLists"/>
          <xs:enumeration value="SelectableInClients"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:list>
  </xs:simpleType>
  <xs:element name="BdcRights" nillable="true" type="tns:BdcRights"/>
</xs:schema>

```

## 7.2

### <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel> del Schema

```

<?xml version="1.0"?>
<xs:schema
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:simpleType name="MethodInstanceType">
    <xs:restriction base="xs:string">

```

```

<xs:enumeration value="Finder"/>
<xs:enumeration value="SpecificFinder"/>
<xs:enumeration value="GenericInvoker"/>
<xs:enumeration value="IdEnumerator"/>
<xs:enumeration value="Scalar"/>
<xs:enumeration value="AccessChecker"/>
<xs:enumeration value="Creator"/>
<xs:enumeration value="Updater"/>
<xs:enumeration value="Deleter"/>
<xs:enumeration value="ChangedIdEnumerator"/>
<xs:enumeration value="DeletedIdEnumerator"/>
<xs:enumeration value="AssociationNavigator"/>
<xs:enumeration value="Associator"/>
<xs:enumeration value="Disassociator"/>
<xs:enumeration value="StreamAccessor"/>
<xs:enumeration value="BinarySecurityDescriptorAccessor"/>
<xs:enumeration value="BulkSpecificFinder"/>
<xs:enumeration value="BulkAssociatedIdEnumerator"/>
<xs:enumeration value="BulkAssociationNavigator"/>
<xs:enumeration value="BulkIdEnumerator"/>
<xs:enumeration value="EventSubscriber"/>
<xs:enumeration value="EventUnsubscriber"/>
</xs:restriction>
</xs:simpleType>
<xs:element name="MethodInstanceType" nillable="true" type="tns1:MethodInstanceType"/>
<xs:simpleType name="FilterType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Comparison"/>
    <xs:enumeration value="LastId"/>
    <xs:enumeration value="Limit"/>
    <xs:enumeration value="PageNumber"/>
    <xs:enumeration value="Password"/>
    <xs:enumeration value="SsoTicket"/>
    <xs:enumeration value="Timestamp"/>
    <xs:enumeration value="UserContext"/>
    <xs:enumeration value="Username"/>
    <xs:enumeration value="UserProfile"/>
    <xs:enumeration value="Wildcard"/>
    <xs:enumeration value="Input"/>
    <xs:enumeration value="Output"/>
    <xs:enumeration value="InputOutput"/>
    <xs:enumeration value="Batching"/>
    <xs:enumeration value="BatchingTermination"/>
    <xs:enumeration value="UserCulture"/>
    <xs:enumeration value="ActivityId"/>
    <xs:enumeration value="Sorting"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="FilterType" nillable="true" type="tns1:FilterType"/>
<xs:simpleType name="SystemType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Database"/>
    <xs:enumeration value="WebService"/>
    <xs:enumeration value="Custom"/>
    <xs:enumeration value="Wcf"/>
    <xs:enumeration value="DotNetAssembly"/>
    <xs:enumeration value="OData"/>
  </xs:restriction>
</xs:simpleType>

```



```

<xs:element name="SystemType" nillable="true" type="tns1:SystemType"/>
<xs:simpleType name="DirectionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="In"/>
    <xs:enumeration value="Out"/>
    <xs:enumeration value="InOut"/>
    <xs:enumeration value="Return"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="DirectionType" nillable="true" type="tns1:DirectionType"/>
<xs:simpleType name="TypeDescriptorFlags">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="CreatorField"/>
        <xs:enumeration value="UpdaterField"/>
        <xs:enumeration value="PreUpdaterField"/>
        <xs:enumeration value="IsCollection"/>
        <xs:enumeration value="ReadOnly"/>
        <xs:enumeration value="Significant"/>
        <xs:enumeration value="IsSortInput"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:list>
</xs:simpleType>
<xs:element name="TypeDescriptorFlags" nillable="true" type="tns1:TypeDescriptorFlags"/>
</xs:schema>

```

### 7.3 <http://www.microsoft.com/Office/2009/BusinessDataCatalog> Schema

```

<?xml version="1.0"?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/Office/2009/BusinessDataCatalog"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd2"
namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd6"
namespace="Microsoft.SharePoint.BusinessData" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd3"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd8"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd9"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Metadata
Model.Constants" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd4"
namespace="http://schemas.datacontract.org/2004/07/System" />
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd7"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel" />
  <xs:element name="GetServiceApplicationId">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetServiceApplicationIdResponse">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="GetServiceApplicationIdResult" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAllPartitionIds">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAllPartitionIdsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetAllPartitionIdsResult" nillable="true" type="q7:ArrayOfguid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="ReadSlicedXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="ReadSlicedXmlResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfString"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="WriteSlicedXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="WriteSlicedXmlResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="WriteSlicedXmlResult" nillable="true"
type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

    </xs:complexType>
  </xs:element>
  <xs:element name="HaveRights">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure"
minOccurs="0" name="rights" type="tns:BdcRights"/>
        <xs:element minOccurs="0" name="fallBack" type="xs:boolean"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="HaveRightsResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="HaveRightsResult" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAllLocalizedNamesForMetadataObjectStruct">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAllLocalizedNamesForMetadataObjectStructResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAllLocalizedNamesForMetadataObjectStructResult" nillable="true"
type="tns6:ArrayOfLocalizedNameStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAllLocalizedNames">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAllLocalizedNamesResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAllLocalizedNamesResult" nillable="true" type="tns6:ArrayOfLocalizedNameStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

<xs:element name="GetAllPropertiesForMetadataObjectStruct">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAllPropertiesForMetadataObjectStructResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAllPropertiesForMetadataObjectStructResult" nillable="true"
type="tns6:ArrayOfPropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAllProperties">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="merged" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAllPropertiesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAllPropertiesResult" nillable="true" type="tns6:ArrayOfPropertyStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SaveLocalizedName">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SaveLocalizedNameResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="ClearLocalizedNames">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

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        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="ClearLocalizedNamesResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="RemoveLocalizedName">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="RemoveLocalizedNameResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="SaveProperty">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="propertyStruct" nillable="true" type="tns6:PropertyStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SavePropertyResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="ClearProperties">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="ClearPropertiesResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="RemoveProperty">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

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        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="RemovePropertyResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAccessControlEntries">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="fallback" type="xs:boolean"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetAccessControlEntriesResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAccessControlEntriesResult" nillable="true"
type="tns6:ArrayOfAccessControlEntryStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetAccessControlEntries">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="accessControlEntries" nillable="true" type="tns6:ArrayOfAccessControlEntryStruct"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetAccessControlEntriesResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectCreate">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="rawValues" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectCreateResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="MetadataObjectCreateResult" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

    </xs:complexType>
  </xs:element>
  <xs:element name="Update">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="UpdateResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="UpdateResult" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Delete">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeleteResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectMergeXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="mergedStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectMergeXmlResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="mergedStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MetadataObjectReadXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>

```

```

        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="MetadataObjectReadXmlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfString"/>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="readStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectWriteXml">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
            <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="MetadataObjectWriteXmlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="MetadataObjectWriteXmlResult" nillable="true"
type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CopyAclAcrossChildren">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CopyAclAcrossChildrenResponse">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="CopyAclAcrossChildrenForSetting">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
            <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>

```



```

</xs:element>
<xs:element name="CopyAclAcrossChildrenForSettingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="CopyAclToSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="CopyAclToSettingResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="GetCacheInvalidationRecordsSince">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dateTime" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetCacheInvalidationRecordsSinceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetCacheInvalidationRecordsSinceResult" nillable="true"
type="tns6:ArrayOfCacheInvalidationRecordStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ImportPackage">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="adminStruct" nillable="true" type="tns6:AdministrationMetadataCatalogStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="0" name="updateModel" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ImportPackageResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ImportPackageResult" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>

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```

</xs:element>
<xs:element name="ImportPackageWithProgress">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="adminStruct" nillable="true" type="tns6:AdministrationMetadataCatalogStruct"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="0" name="updateModel" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="jobId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ImportPackageWithProgressResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ImportPackageWithProgressResult" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetImportProgress">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="jobId" type="ser:guid"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetImportProgressResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetImportProgressResult" type="xs:double"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportPackage">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportPackageResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportPackageResult" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

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```

    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelByIdResult" nillable="true" type="tns6:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelsByName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="wildcardedName" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelsByNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelsByNameResult" nillable="true" type="tns6:ArrayOfModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelByName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelByNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelByNameResult" nillable="true" type="tns6:ModelStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetModelsByEntityId">
  <xs:complexType>
    <xs:sequence>

```

```

        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetModelsByEntityIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetModelsByEntityIdResult" nillable="true" type="tns6:ArrayOfModelStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddEntityToModel">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddEntityToModelResponse">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="RemoveEntityFromModel">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="RemoveEntityFromModelResponse">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteNoCascade">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="metadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteNoCascadeResponse">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="ModelReadXml">
    <xs:complexType>

```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="applicationRegistryStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="0" name="updateModel" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ModelReadXmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ModelReadXmlResult" nillable="true" type="tns6:ModelStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemId">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemProxyAssemblyBytesByLobSystemIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetLobSystemProxyAssemblyBytesByLobSystemIdResult"
nillable="true" type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemAllAssembliesBytes">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemAllAssembliesBytesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="GetLobSystemAllAssembliesBytesResult" nillable="true"
type="q7:ArrayOfbase64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemDataByLobSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

    </xs:complexType>
  </xs:element>
  <xs:element name="GetLobSystemDataByLobSystemResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element
xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="0" name="GetLobSystemDataByLobSystemResult" nillable="true"
type="tns2:ProxyGenerationResult"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SetLobSystemDataByLobSystemId">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
          <xs:element
xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="0" name="proxyGenerationResult" nillable="true"
type="tns2:ProxyGenerationResult"/>
          <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SetLobSystemDataByLobSystemIdResponse">
        <xs:complexType>
          <xs:sequence/>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModel">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
            <xs:element
xmlns:tns5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.Metadata
aModel.Constants" minOccurs="0" name="queryMode"
type="tns5:LobSystemConstants.LobSystemsInModelQuery"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse">
          <xs:complexType>
            <xs:sequence>
              <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemsReferencedByEntitiesAssociatedWithModelResult" nillable="true"
type="tns6:ArrayOfLobSystemStruct"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="GetLobSystemByName">
            <xs:complexType>
              <xs:sequence>
                <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
                <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:element>
        </xs:element>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

```

```

</xs:element>
<xs:element name="GetLobSystemByNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemByNameResult" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemsLikeName">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="searchLikeName" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemsLikeNameResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemsLikeNameResult" nillable="true" type="tns6:ArrayOfLobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemByIdResult" nillable="true" type="tns6:LobSystemStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntityCount">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntityCountResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetEntityCountResult" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

    </xs:complexType>
  </xs:element>
  <xs:element name="GetSystemUtilityTypeNameForLobSystem">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetSystemUtilityTypeNameForLobSystemResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="GetSystemUtilityTypeNameForLobSystemResult"
nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GenerateProxyAssemblyForLobSystem">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GenerateProxyAssemblyForLobSystemResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeleteProxyAssemblyForLobSystem">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="DeleteProxyAssemblyForLobSystemResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetLobSystemInstancesForLobSystem">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetLobSystemInstancesForLobSystemResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemInstancesForLobSystemResult" nillable="true"
type="tns6:ArrayOfLobSystemInstanceStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```



```

    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemInstanceById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemInstanceId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLobSystemInstanceByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetLobSystemInstanceByIdResult" nillable="true" type="tns6:LobSystemInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDataClassesForSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDataClassesForSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetDataClassesForSystemResult" nillable="true" type="tns6:ArrayOfDataClassStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDataClassById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDataClassByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetDataClassByIdResult" nillable="true" type="tns6:DataClassStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesReferencedByModelId">
  <xs:complexType>

```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:element>
  <xs:element xmlns:tns5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants" minOccurs="0" name="mode" type="tns5:EntityConstants.EntitiesInModelQuery"/>
  <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
  <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/" minOccurs="0" name="partitionId" type="ser:guid"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetEntitiesReferencedByModelIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0" name="GetEntitiesReferencedByModelIdResult" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesLikeNameAndNamespace">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="wildcardedNamespace" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="wildcardedName" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/" minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesLikeNameAndNamespaceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0" name="GetEntitiesLikeNameAndNamespaceResult" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespace">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/" minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespaceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0" name="GetEntityWithNameAndNamespaceResult" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

<xs:element name="GetEntityWithNameAndNamespaceAndVersion">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="version" nillable="true" type="q1:Version"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntityWithNameAndNamespaceAndVersionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntityWithNameAndNamespaceAndVersionResult" nillable="true"
type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesForSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesForSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntitiesForSystemResult" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesForAssociationAndRole">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetEntitiesForAssociationAndRoleResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntitiesForAssociationAndRoleResult" nillable="true"
type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SetDefaultActionForEntity">

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    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
        <xs:element minOccurs="0" name="actionName" nillable="true" type="xs:string"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="SetDefaultActionForEntityResponse">
    <xs:complexType>
      <xs:sequence/>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetEntityNameAndNamespacesForAssociationAndRole">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetEntityNameAndNamespacesForAssociationAndRoleResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="namespaces" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="names" nillable="true" type="q7:ArrayOfstring"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetEntityById">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetEntityByIdResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetEntityByIdResult" nillable="true" type="tns6:EntityStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="EntityCreate">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="rawValues" nillable="true" type="tns6:EntityStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="lobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>

```

```

        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="EntityCreateResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="EntityCreateResult" nillable="true" type="tns6:EntityStruct"/>
                </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="Activate">
        <xs:complexType>
            <xs:sequence>
                <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
                    </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="ActivateResponse">
            <xs:complexType>
                <xs:sequence>
                    <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="ActivateResult" nillable="true" type="tns6:EntityStruct"/>
                        </xs:sequence>
                </xs:complexType>
            </xs:element>
            <xs:element name="Deactivate">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
                            </xs:sequence>
                    </xs:complexType>
                </xs:element>
                <xs:element name="DeactivateResponse">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="DeactivateResult" nillable="true" type="tns6:EntityStruct"/>
                                </xs:sequence>
                            </xs:complexType>
                        </xs:element>
                    <xs:element name="BulkSwitchActiveOrValidate">
                        <xs:complexType>
                            <xs:sequence>
                                <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStructs" nillable="true" type="tns6:ArrayOfEntityStruct"/>
                                    <xs:element minOccurs="0" name="validate" type="xs:boolean"/>
                                <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="modelStruct" nillable="true" type="tns6:ModelStruct"/>
                                    </xs:sequence>
                            </xs:complexType>
                        </xs:element>
                    <xs:element name="BulkSwitchActiveOrValidateResponse">
                        <xs:complexType>
                            <xs:sequence>

```

```

        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="BulkSwitchActiveOrValidateResult" nillable="true"
type="tns6:ArrayOfActivationErrorRecordStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStructs" nillable="true" type="tns6:ArrayOfEntityStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetActionById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
            <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionByIdResult" nillable="true" type="tns6:ActionStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionsForEntity">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionsForEntityResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionsForEntityResult" nillable="true" type="tns6:ArrayOfActionStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionParameterById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="actionParameterId" type="xs:unsignedInt"/>
            <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetActionParameterByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionParameterByIdResult" nillable="true" type="tns6:ActionParameterStruct"/>
        </xs:sequence>
    </xs:complexType>

```

```

</xs:element>
<xs:element name="GetActionParametersForAction">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetActionParametersForActionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetActionParametersForActionResult" nillable="true"
type="tns6:ArrayOfActionParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetIdentifierById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="identifierId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetIdentifierByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetIdentifierByIdResult" nillable="true" type="tns6:IdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetIdentifiersForEntity">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetIdentifiersForEntityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetIdentifiersForEntityResult" nillable="true" type="tns6:ArrayOfIdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetMethodById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>

```

```

        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetMethodByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodByIdResult" nillable="true" type="tns6:MethodStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodsForDataClass">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodsForDataClassResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodsForDataClassResult" nillable="true" type="tns6:ArrayOfMethodStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="IsMethodInstantiated">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="IsMethodInstantiatedResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="IsMethodInstantiatedResult" type="xs:boolean"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDescriptorById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
            <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDescriptorByIdResponse">
    <xs:complexType>
        <xs:sequence>

```



```

        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetFilterDescriptorByIdResult" nillable="true" type="tns6:FilterDescriptorStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetFilterDescriptorsForMethod">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDescriptorsForMethodResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetFilterDescriptorsForMethodResult" nillable="true"
type="tns6:ArrayOfFilterDescriptorStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodInstanceById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
            <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodInstanceByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodInstanceByIdResult" nillable="true" type="tns6:MethodInstanceStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodInstancesForDataClass">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodInstancesForDataClassResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodInstancesForDataClassResult" nillable="true"
type="tns6:ArrayOfMethodInstanceStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetMethodInstancesForMethod">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetMethodInstancesForMethodResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetMethodInstancesForMethodResult" nillable="true"
type="tns6:ArrayOfMethodInstanceStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="CheckPathInMethodInstances">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="dottedPath" nillable="true" type="xs:string"/>
        <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="type" type="tns1:MethodInstanceType"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="CheckPathInMethodInstancesResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="CheckPathInMethodInstancesResult" type="xs:boolean"/>
        <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetParameterById">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetParameterByIdResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetParameterByIdResult" nillable="true" type="tns6:ParameterStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="GetParametersForMethod">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>

```

```

        <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetParametersForMethodResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetParametersForMethodResult" nillable="true" type="tns6:ArrayOfParameterStruct"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="IsParameterReferencedByMethodInstance">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="IsParameterReferencedByMethodInstanceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="IsParameterReferencedByMethodInstanceResult"
type="xs:boolean"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="GetTypeReflectorTypeNameForParameter">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="GetTypeReflectorTypeNameForParameterResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="GetTypeReflectorTypeNameForParameterResult"
nillable="true" type="xs:string"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="typeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResult" nillable="true"
type="tns6:ArrayOfTypeDescriptorStruct"/>

```

```

    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetFieldTypeDescriptorsByMethodInstance">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="methodName" nillable="true"
type="xs:string"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="entityStruct" nillable="true" type="tns6:EntityStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetFieldTypeDescriptorsByMethodInstanceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetFieldTypeDescriptorsByMethodInstanceResult" nillable="true"
type="tns6:ArrayOfPropertyDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetTypeDescriptorByIdResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetRootTypeDescriptorForParameter">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetRootTypeDescriptorForParameterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetRootTypeDescriptorForParameterResult" nillable="true"
type="tns6:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameter">
  <xs:complexType>

```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="level" type="xs:int"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorsByNameAndLevelForParameterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetTypeDescriptorsByNameAndLevelForParameterResult" nillable="true"
type="tns6:ArrayOfPropertyDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetChildTypeDescriptorsForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parentTypeDescriptorId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetChildTypeDescriptorsForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetChildTypeDescriptorsForTypeDescriptorResult" nillable="true"
type="tns6:ArrayOfPropertyDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorsForFilterDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetTypeDescriptorsForFilterDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetTypeDescriptorsForFilterDescriptorResult" nillable="true"
type="tns6:ArrayOfPropertyDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDefaultValuesForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>

```

```

    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetDefaultValuesForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetDefaultValuesForTypeDescriptorResult" nillable="true"
type="tns6:ArrayOfDefaultValueStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SetDefaultValuesForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="defaultValueStruct" nillable="true" type="tns6:DefaultValueStruct"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SetDefaultValuesForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteDefaultValueForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteDefaultValueForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="GetLevelForTypeDescriptor">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="typeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLevelForTypeDescriptorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetLevelForTypeDescriptorResult"
type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="TypeDescriptorCreate">

```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="rawValues" nillable="true" type="tns6:TypeDescriptorStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentTypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TypeDescriptorCreateResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="TypeDescriptorCreateResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TypeDescriptorMergeXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packgeContents" type="tns6:PackageContents"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentTypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TypeDescriptorMergeXmlResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="TypeDescriptorMergeXmlResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TypeDescriptorReadXml">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="xml" nillable="true" type="xs:string"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="packageContents" type="tns6:PackageContents"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parameterStruct" nillable="true" type="tns6:ParameterStruct"/>
        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="parentTypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
        <xs:element minOccurs="0" name="callerCultureLcid" type="xs:int"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TypeDescriptorReadXmlResponse">
    <xs:complexType>

```

```

    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="TypeDescriptorReadXmlResult" nillable="true" type="tns6:TypeDescriptorStruct"/>
      <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="errors" nillable="true" type="q7:ArrayOfstring"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationById">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationByIdResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationByIdResult" nillable="true" type="tns6:AssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForEntityAndRole">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
      <xs:element minOccurs="0" name="activeOnly" type="xs:boolean"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForEntityAndRoleResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationsForEntityAndRoleResult" nillable="true"
type="tns6:ArrayOfAssociationStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForDataClass">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="dataClassId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForDataClassResponse">
  <xs:complexType>
    <xs:sequence>

```



```

        <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationsForDataClassResult" nillable="true"
type="tns6:ArrayOfAssociationStruct"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForMethod">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationsForMethodResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationsForMethodResult" nillable="true" type="tns6:ArrayOfAssociationStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationMembersInRole">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
            <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationMembersInRoleResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationMembersInRoleResult" nillable="true"
type="tns6:ArrayOfAssociationMemberStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetThrottlingRules">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="GetThrottlingRulesResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetThrottlingRulesResult" nillable="true" type="tns6:ArrayOfSafetyNetStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddThrottlingRule">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="safetyNetStruct" nillable="true" type="tns6:SafetyNetStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="AddThrottlingRuleResponse">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="RemoveThrottlingRule">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="safetyNetStruct" nillable="true" type="tns6:SafetyNetStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="RemoveThrottlingRuleResponse">
    <xs:complexType>
        <xs:sequence/>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupById">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
            <xs:element minOccurs="0" name="performErrorCheck" type="xs:boolean"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupByIdResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationGroupByIdResult" nillable="true" type="tns6:AssociationGroupStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupsForEntity">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
            <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationGroupsForEntityResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationGroupsForEntityResult" nillable="true"
type="tns6:ArrayOfAssociationGroupStruct"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAssociationReferencesForAssociationGroup">
    <xs:complexType>

```

```

    <xs:sequence>
      <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAssociationReferencesForAssociationGroupResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="GetAssociationReferencesForAssociationGroupResult" nillable="true"
type="tns6:ArrayOfAssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="AddAssociationReferenceToAssociationGroup">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationGroupStruct" nillable="true" type="tns6:AssociationGroupStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationReferenceStruct" nillable="true" type="tns6:AssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="AddAssociationReferenceToAssociationGroupResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="AddAssociationReferenceToAssociationGroupResult" nillable="true"
type="tns6:AssociationGroupStruct"/>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationReferenceStruct" nillable="true" type="tns6:AssociationReferenceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteAssociationReferenceFromAssociationGroup">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="associationReferenceStruct" nillable="true" type="tns6:AssociationReferenceStruct"/>
      <xs:element xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DeleteAssociationReferenceFromAssociationGroupResponse">
  <xs:complexType>
    <xs:sequence/>
  </xs:complexType>
</xs:element>
<xs:element name="GetXmlSchemaForView">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:tns6="Microsoft.SharePoint.BusinessData" minOccurs="0"
name="methodInstanceStruct" nillable="true" type="tns6:MethodInstanceStruct"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

<xs:element name="GetXmlSchemaForViewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetXmlSchemaForViewResult" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>

```

## 7.4 <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime> Schema

```

<?xml version="1.0"?>
<xs:schema
xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="CacheUsage">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Default"/>
      <xs:enumeration value="Online"/>
      <xs:enumeration value="Cached"/>
      <xs:enumeration value="Offline"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="CacheUsage" nillable="true" type="tns2:CacheUsage"/>
  <xs:complexType name="ProxyGenerationResult">
    <xs:sequence>
      <xs:element minOccurs="0" name="compiledBytes" nillable="true" type="xs:base64Binary"/>
      <xs:element minOccurs="0" name="fingerprint" nillable="true" type="xs:base64Binary"/>
      <xs:element minOccurs="0" name="sourceCode" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ProxyGenerationResult" nillable="true"
type="tns2:ProxyGenerationResult"/>
</xs:schema>

```

## 7.5 [Microsoft.BusinessData.SharePoint](http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SharePoint) Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:tns3="Microsoft.BusinessData.SharePoint" elementFormDefault="qualified"
targetNamespace="Microsoft.BusinessData.SharePoint"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="MetadataException">
    <xs:sequence>
      <xs:element minOccurs="0" name="explicitMessage" type="xs:boolean"/>
      <xs:element minOccurs="0" name="innerExceptionToStringed" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="innerExceptionTypeFullName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="message" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="metadataObjectTypeName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="serverStackTrace" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>

```

```

    </xs:complexType>
    <xs:element name="MetadataException" nillable="true" type="tns3:MetadataException"/>
</xs:schema>

```

## 7.6

### <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific> Schema

```

<?xml version="1.0"?>
<xs:schema
  xmlns:tns4="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="ThrottleScope">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Global"/>
      <xs:enumeration value="Database"/>
      <xs:enumeration value="WebService"/>
      <xs:enumeration value="Wcf"/>
      <xs:enumeration value="Custom"/>
      <xs:enumeration value="OData"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="ThrottleScope" nillable="true" type="tns4:ThrottleScope"/>
  <xs:simpleType name="ThrottleType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="None"/>
      <xs:enumeration value="Items"/>
      <xs:enumeration value="Size"/>
      <xs:enumeration value="Connections"/>
      <xs:enumeration value="Timeout"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="ThrottleType" nillable="true" type="tns4:ThrottleType"/>
</xs:schema>

```

## 7.7

### <http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants> Schema

```

<?xml version="1.0"?>
<xs:schema
  xmlns:tns5="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants"
  elementFormDefault="qualified"
  targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="LobSystemConstants.LobSystemsInModelQuery">
    <xs:restriction base="xs:string">
      <xs:enumeration value="AllLobSystemsInModel"/>
      <xs:enumeration value="OwnedLobSystemsInModel"/>
      <xs:enumeration value="SharedLobSystemsInModel"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="LobSystemConstants.LobSystemsInModelQuery" nillable="true"
    type="tns5:LobSystemConstants.LobSystemsInModelQuery"/>

```

```

<xs:simpleType name="EntityConstants.EntitiesInModelQuery">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AllEntitiesInModel"/>
    <xs:enumeration value="OwnedEntitiesInModel"/>
    <xs:enumeration value="SharedEntitiesInModel"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="EntityConstants.EntitiesInModelQuery" nillable="true"
type="tns5:EntityConstants.EntitiesInModelQuery"/>
</xs:schema>

```

## 7.8 Microsoft.SharePoint.BusinessData Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:tns6="Microsoft.SharePoint.BusinessData" elementFormDefault="qualified"
targetNamespace="Microsoft.SharePoint.BusinessData"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd5"
namespace="Microsoft.BusinessData.SharePoint"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
namespace="http://schemas.microsoft.com/2003/10/Serialization"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd2"
namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd7"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd4"
namespace="http://schemas.datacontract.org/2004/07/System"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd8"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"/>
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd10"
namespace="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"/>
  <xs:complexType name="DuplicateMetadataObjectExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="DuplicateFieldName" nillable="true"
type="xs:string"/>
          <xs:element minOccurs="0" name="DuplicateMetadataObjectName" nillable="true"
type="xs:string"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="DuplicateMetadataObjectExceptionState" nillable="true"
type="tns6:DuplicateMetadataObjectExceptionState"/>
  <xs:complexType name="InvalidMetadataObjectExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="InvalidFieldName" nillable="true"
type="xs:string"/>
          <xs:element minOccurs="0" name="InvalidMetadataObjectId" type="xs:unsignedInt"/>
          <xs:element minOccurs="0" name="InvalidMetadataObjectName" nillable="true"
type="xs:string"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

```

```

    </xs:complexContent>
  </xs:complexType>
  <xs:element name="InvalidMetadataObjectExceptionState" nillable="true"
type="tns6:InvalidMetadataObjectExceptionState"/>
  <xs:complexType name="ConcurrentModificationExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="MetadataObjectId" type="xs:unsignedInt"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ConcurrentModificationExceptionState" nillable="true"
type="tns6:ConcurrentModificationExceptionState"/>
  <xs:complexType name="InvalidMetadataPropertyExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="InvalidPropertyName" nillable="true"
type="xs:string"/>
          <xs:element minOccurs="0" name="MetadataObjectName" nillable="true"
type="xs:string"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="InvalidMetadataPropertyExceptionState" nillable="true"
type="tns6:InvalidMetadataPropertyExceptionState"/>
  <xs:complexType name="ExceededMetadataObjectLimitExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="Limit" type="xs:int"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ExceededMetadataObjectLimitExceptionState" nillable="true"
type="tns6:ExceededMetadataObjectLimitExceptionState"/>
  <xs:complexType name="MetadataObjectNotFoundExceptionState">
    <xs:complexContent mixed="false">
      <xs:extension xmlns:tns3="Microsoft.BusinessData.SharePoint"
base="tns3:MetadataException">
        <xs:sequence>
          <xs:element minOccurs="0" name="SearchCriteria" nillable="true" type="xs:string"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="MetadataObjectNotFoundExceptionState" nillable="true"
type="tns6:MetadataObjectNotFoundExceptionState"/>
  <xs:simpleType name="PackageContents">
    <xs:list>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="None"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:list>
  </xs:simpleType>

```

```

        <xs:enumeration value="Model"/>
        <xs:enumeration value="LocalizedNames"/>
        <xs:enumeration value="Permissions"/>
        <xs:enumeration value="Properties"/>
        <xs:enumeration value="InlineProxies"/>
        <xs:enumeration value="All"/>
    </xs:restriction>
</xs:simpleType>
</xs:list>
</xs:simpleType>
<xs:element name="PackageContents" nillable="true" type="tns6:PackageContents"/>
<xs:complexType name="MetadataObjectStruct">
    <xs:sequence>
        <xs:element minOccurs="0" name="id" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="isCached" type="xs:boolean"/>
        <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="objectVersion" type="xs:int"/>
        <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="MetadataObjectStruct" nillable="true" type="tns6:MetadataObjectStruct"/>
<xs:complexType name="LobSystemInstanceStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:MetadataObjectStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="LobSystemInstanceStruct" nillable="true"
type="tns6:LobSystemInstanceStruct"/>
<xs:complexType name="ActionParameterStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:MetadataObjectStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="actionId" type="xs:unsignedInt"/>
                <xs:element minOccurs="0" name="index" type="xs:unsignedByte"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ActionParameterStruct" nillable="true"
type="tns6:ActionParameterStruct"/>
<xs:complexType name="ActionStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:MetadataObjectStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
                <xs:element minOccurs="0" name="imageUrl" nillable="true" type="xs:string"/>
                <xs:element minOccurs="0" name="isOpenedInNewWindow" type="xs:boolean"/>
                <xs:element minOccurs="0" name="position" type="xs:unsignedByte"/>
                <xs:element minOccurs="0" name="url" nillable="true" type="xs:string"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ActionStruct" nillable="true" type="tns6:ActionStruct"/>
<xs:complexType name="AdministrationMetadataCatalogStruct">

```



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<xs:complexContent mixed="false">
  <xs:extension base="tns6:MetadataObjectStruct">
    <xs:sequence/>
  </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="AdministrationMetadataCatalogStruct" nillable="true"
type="tns6:AdministrationMetadataCatalogStruct"/>
<xs:complexType name="AssociationStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MethodInstanceStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="destinationEntityName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="destinationEntityNamespace" nillable="true"
type="xs:string"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="sourceEntityNames" nillable="true" type="q7:ArrayOfString"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="sourceEntityNamespaces" nillable="true" type="q7:ArrayOfString"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="AssociationStruct" nillable="true" type="tns6:AssociationStruct"/>
<xs:complexType name="MethodInstanceStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="isDefault" type="xs:boolean"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
        <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="methodInstanceType" type="tns1:MethodInstanceType"/>
        <xs:element minOccurs="0" name="returnTypeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="MethodInstanceStruct" nillable="true" type="tns6:MethodInstanceStruct"/>
<xs:complexType name="AssociationGroupStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationEntityNames" nillable="true" type="q7:ArrayOfString"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationEntityNamespaces" nillable="true" type="q7:ArrayOfString"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationIds" nillable="true" type="q7:ArrayOfunsignedInt"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="associationNames" nillable="true" type="q7:ArrayOfString"/>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="AssociationGroupStruct" nillable="true"
type="tns6:AssociationGroupStruct"/>

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<xs:complexType name="MethodStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="isStatic" type="xs:boolean"/>
        <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="MethodStruct" nillable="true" type="tns6:MethodStruct"/>
<xs:complexType name="FilterDescriptorStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="filterField" nillable="true" type="xs:string"/>
        <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="filterType" type="tns1:FilterType"/>
        <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="FilterDescriptorStruct" nillable="true"
type="tns6:FilterDescriptorStruct"/>
<xs:complexType name="IdentifierStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte"/>
        <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="IdentifierStruct" nillable="true" type="tns6:IdentifierStruct"/>
<xs:complexType name="LobSystemStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="systemType" type="tns1:SystemType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="LobSystemStruct" nillable="true" type="tns6:LobSystemStruct"/>
<xs:complexType name="DataClassStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:MetadataObjectStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="active" type="xs:boolean"/>
        <xs:element minOccurs="0" name="lobSystemId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="modelId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="namespace" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

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        <xs:element xmlns:q1="http://schemas.datacontract.org/2004/07/System" minOccurs="0"
name="version" nillable="true" type="q1:Version"/>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="DataClassStruct" nillable="true" type="tns6:DataClassStruct"/>
<xs:complexType name="EntityStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:DataClassStruct">
            <xs:sequence>
                <xs:element
xmlns:tns2="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime"
minOccurs="0" name="cacheUsage" type="tns2:CacheUsage"/>
                <xs:element minOccurs="0" name="description" nillable="true" type="xs:string"/>
                <xs:element minOccurs="0" name="estimatedInstanceCount" type="xs:unsignedInt"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="EntityStruct" nillable="true" type="tns6:EntityStruct"/>
<xs:complexType name="ModelStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:MetadataObjectStruct">
            <xs:sequence/>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ModelStruct" nillable="true" type="tns6:ModelStruct"/>
<xs:complexType name="ParameterStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:MetadataObjectStruct">
            <xs:sequence>
                <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="direction" type="tns1:DirectionType"/>
                <xs:element minOccurs="0" name="methodId" type="xs:unsignedInt"/>
                <xs:element minOccurs="0" name="ordinalNumber" type="xs:unsignedByte"/>
                <xs:element minOccurs="0" name="rootTypeDescriptorId" type="xs:unsignedInt"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ParameterStruct" nillable="true" type="tns6:ParameterStruct"/>
<xs:complexType name="TypeDescriptorStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:MetadataObjectStruct">
            <xs:sequence>
                <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
                <xs:element minOccurs="0" name="associationReferenceEntityName" nillable="true"
type="xs:string"/>
                <xs:element minOccurs="0" name="associationReferenceEntityNamespace"
nillable="true" type="xs:string"/>
                <xs:element minOccurs="0" name="associationReferenceName" nillable="true"
type="xs:string"/>
                <xs:element minOccurs="0" name="childrenContainRules" type="xs:boolean"/>
                <xs:element minOccurs="0" name="containsFilterDescriptor" type="xs:boolean"/>
                <xs:element minOccurs="0" name="containsIdentifier" type="xs:boolean"/>
                <xs:element minOccurs="0" name="containsReadOnly" type="xs:boolean"/>
                <xs:element minOccurs="0" name="filterDescriptorId" type="xs:unsignedInt"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

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    <xs:element
xmlns:tns1="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel"
minOccurs="0" name="flags" type="tns1:TypeDescriptorFlags"/>
    <xs:element minOccurs="0" name="identifierId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="identifierReferenceEntityName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="identifierReferenceEntityNamespace" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="identifierReferenceName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="lobName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="parameterId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="parentTypeDescriptorId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="serializedRules" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="TypeDescriptorStruct" nillable="true" type="tns6:TypeDescriptorStruct"/>
<xs:complexType name="PackageFormatExceptionState">
    <xs:sequence>
        <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string"/>
        <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="ParseErrors" nillable="true" type="q7:ArrayOfstring"/>
        <xs:element xmlns:tns3="Microsoft.BusinessData.SharePoint" minOccurs="0"
name="SerializedInnerSystemException" nillable="true" type="tns3:MetadataException"/>
        <xs:element minOccurs="0" name="ServerStackTrace" nillable="true" type="xs:string"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="PackageFormatExceptionState" nillable="true"
type="tns6:PackageFormatExceptionState"/>
<xs:complexType name="ArrayOfLocalizedNameStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="LocalizedNameStruct"
nillable="true" type="tns6:LocalizedNameStruct"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfLocalizedNameStruct" nillable="true"
type="tns6:ArrayOfLocalizedNameStruct"/>
<xs:complexType name="LocalizedNameStruct">
    <xs:sequence>
        <xs:element minOccurs="0" name="lcid" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="vlu" nillable="true" type="xs:string"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="LocalizedNameStruct" nillable="true" type="tns6:LocalizedNameStruct"/>
<xs:complexType name="ArrayOfPropertyStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PropertyStruct" nillable="true"
type="tns6:PropertyStruct"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfPropertyStruct" nillable="true"
type="tns6:ArrayOfPropertyStruct"/>
<xs:complexType name="PropertyStruct">
    <xs:complexContent mixed="false">
        <xs:extension base="tns6:ComplexValueStruct">

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```

    <xs:sequence>
      <xs:element minOccurs="0" name="metadataObjectId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="name" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="settingId" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:element name="PropertyStruct" nillable="true" type="tns6:PropertyStruct"/>
<xs:complexType name="ComplexValueStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="needsTypeReflectionResolution" type="xs:boolean"/>
    <xs:element minOccurs="0" name="typeName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="wcfMarshallableValue" nillable="true"
type="xs:anyType"/>
    <xs:element minOccurs="0" name="wcfMarshallableValueAssemblyQualifiedTypeName"
nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="wcfMarshallableValueTypeName" nillable="true"
type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<xs:element name="ComplexValueStruct" nillable="true" type="tns6:ComplexValueStruct"/>
<xs:complexType name="DefaultValueStruct">
  <xs:complexContent mixed="false">
    <xs:extension base="tns6:ComplexValueStruct">
      <xs:sequence>
        <xs:element minOccurs="0" name="methodInstanceId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="methodInstanceName" nillable="true"
type="xs:string"/>
        <xs:element minOccurs="0" name="typeDescriptorId" type="xs:unsignedInt"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="DefaultValueStruct" nillable="true" type="tns6:DefaultValueStruct"/>
<xs:complexType name="ArrayOfAccessControlEntryStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="AccessControlEntryStruct"
nillable="true" type="tns6:AccessControlEntryStruct"/>
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfAccessControlEntryStruct" nillable="true"
type="tns6:ArrayOfAccessControlEntryStruct"/>
<xs:complexType name="AccessControlEntryStruct">
  <xs:sequence>
    <xs:element minOccurs="0" name="principalBinaryForm" nillable="true"
type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="principalDisplayName" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="principalName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="rights" type="xs:unsignedLong"/>
  </xs:sequence>
</xs:complexType>
<xs:element name="AccessControlEntryStruct" nillable="true"
type="tns6:AccessControlEntryStruct"/>
<xs:complexType name="ArrayOfCacheInvalidationRecordStruct">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="CacheInvalidationRecordStruct"
nillable="true" type="tns6:CacheInvalidationRecordStruct"/>
  </xs:sequence>

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```

</xs:complexType>
<xs:element name="ArrayOfCacheInvalidationRecordStruct" nillable="true"
type="tns6:ArrayOfCacheInvalidationRecordStruct"/>
<xs:complexType name="CacheInvalidationRecordStruct">
<xs:sequence>
<xs:element minOccurs="0" name="cacheLine" type="xs:long"/>
<xs:element minOccurs="0" name="counter" type="xs:int"/>
<xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
<xs:element minOccurs="0" name="timestamp" type="xs:dateTime"/>
</xs:sequence>
</xs:complexType>
<xs:element name="CacheInvalidationRecordStruct" nillable="true"
type="tns6:CacheInvalidationRecordStruct"/>
<xs:complexType name="ArrayOfModelStruct">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="unbounded" name="ModelStruct" nillable="true"
type="tns6:ModelStruct"/>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfModelStruct" nillable="true" type="tns6:ArrayOfModelStruct"/>
<xs:complexType name="ArrayOfLobSystemStruct">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemStruct" nillable="true"
type="tns6:LobSystemStruct"/>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfLobSystemStruct" nillable="true"
type="tns6:ArrayOfLobSystemStruct"/>
<xs:complexType name="ArrayOfLobSystemInstanceStruct">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="unbounded" name="LobSystemInstanceStruct"
nillable="true" type="tns6:LobSystemInstanceStruct"/>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfLobSystemInstanceStruct" nillable="true"
type="tns6:ArrayOfLobSystemInstanceStruct"/>
<xs:complexType name="ArrayOfDataClassStruct">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="unbounded" name="DataClassStruct" nillable="true"
type="tns6:DataClassStruct"/>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfDataClassStruct" nillable="true"
type="tns6:ArrayOfDataClassStruct"/>
<xs:complexType name="ArrayOfEntityStruct">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="unbounded" name="EntityStruct" nillable="true"
type="tns6:EntityStruct"/>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfEntityStruct" nillable="true" type="tns6:ArrayOfEntityStruct"/>
<xs:complexType name="ArrayOfActivationErrorRecordStruct">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="unbounded" name="ActivationErrorRecordStruct"
nillable="true" type="tns6:ActivationErrorRecordStruct"/>
</xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfActivationErrorRecordStruct" nillable="true"
type="tns6:ArrayOfActivationErrorRecordStruct"/>
<xs:complexType name="ActivationErrorRecordStruct">

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```

    <xs:sequence>
      <xs:element minOccurs="0" name="aGAssociationEntityReferenceName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="aGAssociationEntityReferenceNamespace" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="aGAssociationReferenceName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingAssociationGroupName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingEntityName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingEntityNamespace" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingEntityVersion" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingMethodName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingParameterName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="containingTypeDescriptorId" type="xs:unsignedInt"/>
      <xs:element minOccurs="0" name="containingTypeDescriptorName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="errorCode" type="xs:int"/>
      <xs:element minOccurs="0" name="tDAssociationEntityReferenceName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="tDAssociationEntityReferenceNamespace" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="tDAssociationReferenceName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="tDIDEntityReferenceName" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="tDIDEntityReferenceNamespace" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="tDIDReferenceName" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="tDIDReferenceTypeName" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ActivationErrorRecordStruct" nillable="true"
type="tns6:ActivationErrorRecordStruct"/>
  <xs:complexType name="ArrayOfActionStruct">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionStruct" nillable="true"
type="tns6:ActionStruct"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfActionStruct" nillable="true" type="tns6:ArrayOfActionStruct"/>
  <xs:complexType name="ArrayOfActionParameterStruct">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ActionParameterStruct"
nillable="true" type="tns6:ActionParameterStruct"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfActionParameterStruct" nillable="true"
type="tns6:ArrayOfActionParameterStruct"/>
  <xs:complexType name="ArrayOfIdentifierStruct">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="IdentifierStruct" nillable="true"
type="tns6:IdentifierStruct"/>
    </xs:sequence>
  </xs:complexType>

```

```

    <xs:element name="ArrayOfIdentifierStruct" nillable="true"
type="tns6:ArrayOfIdentifierStruct"/>
    <xs:complexType name="ArrayOfMethodStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodStruct" nillable="true"
type="tns6:MethodStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfMethodStruct" nillable="true" type="tns6:ArrayOfMethodStruct"/>
    <xs:complexType name="ArrayOfFilterDescriptorStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="FilterDescriptorStruct"
nillable="true" type="tns6:FilterDescriptorStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfFilterDescriptorStruct" nillable="true"
type="tns6:ArrayOfFilterDescriptorStruct"/>
    <xs:complexType name="ArrayOfMethodInstanceStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="MethodInstanceStruct"
nillable="true" type="tns6:MethodInstanceStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfMethodInstanceStruct" nillable="true"
type="tns6:ArrayOfMethodInstanceStruct"/>
    <xs:complexType name="ArrayOfParameterStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterStruct" nillable="true"
type="tns6:ParameterStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfParameterStruct" nillable="true"
type="tns6:ArrayOfParameterStruct"/>
    <xs:complexType name="ArrayOfTypeDescriptorStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="TypeDescriptorStruct"
nillable="true" type="tns6:TypeDescriptorStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfTypeDescriptorStruct" nillable="true"
type="tns6:ArrayOfTypeDescriptorStruct"/>
    <xs:complexType name="ArrayOfDefaultValueStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultValueStruct"
nillable="true" type="tns6:DefaultValueStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfDefaultValueStruct" nillable="true"
type="tns6:ArrayOfDefaultValueStruct"/>
    <xs:complexType name="ArrayOfAssociationStruct">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationStruct"
nillable="true" type="tns6:AssociationStruct"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfAssociationStruct" nillable="true"
type="tns6:ArrayOfAssociationStruct"/>
    <xs:complexType name="ArrayOfAssociationMemberStruct">
      <xs:sequence>

```



```

        <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationMemberStruct"
nillable="true" type="tns6:AssociationMemberStruct"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfAssociationMemberStruct" nillable="true"
type="tns6:ArrayOfAssociationMemberStruct"/>
<xs:complexType name="AssociationMemberStruct">
    <xs:sequence>
        <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="entityId" type="xs:unsignedInt"/>
        <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
        <xs:element minOccurs="0" name="role" type="xs:unsignedByte"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="AssociationMemberStruct" nillable="true"
type="tns6:AssociationMemberStruct"/>
<xs:complexType name="ArrayOfSafetyNetStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="SafetyNetStruct" nillable="true"
type="tns6:SafetyNetStruct"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfSafetyNetStruct" nillable="true"
type="tns6:ArrayOfSafetyNetStruct"/>
<xs:complexType name="SafetyNetStruct">
    <xs:sequence>
        <xs:element minOccurs="0" name="defaultLimit" type="xs:int"/>
        <xs:element minOccurs="0" name="enabled" type="xs:boolean"/>
        <xs:element minOccurs="0" name="maxLimit" type="xs:int"/>
        <xs:element minOccurs="0" name="proxyId" type="ser:guid"/>
    <xs:element
xmlns:tns4="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"
minOccurs="0" name="throttleScope" type="tns4:ThrottleScope"/>
    <xs:element
xmlns:tns4="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific"
minOccurs="0" name="throttleType" type="tns4:ThrottleType"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="SafetyNetStruct" nillable="true" type="tns6:SafetyNetStruct"/>
<xs:complexType name="ArrayOfAssociationGroupStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationGroupStruct"
nillable="true" type="tns6:AssociationGroupStruct"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfAssociationGroupStruct" nillable="true"
type="tns6:ArrayOfAssociationGroupStruct"/>
<xs:complexType name="ArrayOfAssociationReferenceStruct">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AssociationReferenceStruct"
nillable="true" type="tns6:AssociationReferenceStruct"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfAssociationReferenceStruct" nillable="true"
type="tns6:ArrayOfAssociationReferenceStruct"/>
<xs:complexType name="AssociationReferenceStruct">
    <xs:sequence>
        <xs:element minOccurs="0" name="_associationName" nillable="true" type="xs:string"/>

```

```

    <xs:element minOccurs="0" name="_entityName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_entityNamespace" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="associationGroupId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="associationGroupObjectVersion" type="xs:int"/>
    <xs:element minOccurs="0" name="associationId" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="id" type="xs:unsignedInt"/>
    <xs:element minOccurs="0" name="isReverse" type="xs:boolean"/>
    <xs:element minOccurs="0" name="partitionId" type="ser:guid"/>
  </xs:sequence>
</xs:complexType>
  <xs:element name="AssociationReferenceStruct" nillable="true"
type="tns6:AssociationReferenceStruct"/>
</xs:schema>

```

## 7.9 <http://schemas.microsoft.com/2003/10/Serialization/Arrays> Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="ArrayOfguid">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="guid" type="ser:guid"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfguid" nillable="true" type="q7:ArrayOfguid"/>
  <xs:complexType name="ArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfstring" nillable="true" type="q7:ArrayOfstring"/>
  <xs:complexType name="ArrayOfunsignedInt">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="unsignedInt"
type="xs:unsignedInt"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfunsignedInt" nillable="true" type="q7:ArrayOfunsignedInt"/>
  <xs:complexType name="ArrayOfbase64Binary">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="base64Binary" nillable="true"
type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfbase64Binary" nillable="true" type="q7:ArrayOfbase64Binary"/>
</xs:schema>

```

## 7.10 <http://schemas.microsoft.com/2003/10/Serialization/> Schema

```

<?xml version="1.0"?>

```

```

<xs:schema xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="anyType" nillable="true" type="xs:anyType"/>
  <xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
  <xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
  <xs:element name="boolean" nillable="true" type="xs:boolean"/>
  <xs:element name="byte" nillable="true" type="xs:byte"/>
  <xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
  <xs:element name="decimal" nillable="true" type="xs:decimal"/>
  <xs:element name="double" nillable="true" type="xs:double"/>
  <xs:element name="float" nillable="true" type="xs:float"/>
  <xs:element name="int" nillable="true" type="xs:int"/>
  <xs:element name="long" nillable="true" type="xs:long"/>
  <xs:element name="QName" nillable="true" type="xs:QName"/>
  <xs:element name="short" nillable="true" type="xs:short"/>
  <xs:element name="string" nillable="true" type="xs:string"/>
  <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>
  <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
  <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
  <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
  <xs:element name="char" nillable="true" type="ser:char"/>
  <xs:simpleType name="char">
    <xs:restriction base="xs:int"/>
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="ser:duration"/>
  <xs:simpleType name="duration">
    <xs:restriction base="xs:duration">
      <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?"/>
      <xs:minInclusive value="-P10675199DT2H48M5.4775808S"/>
      <xs:maxInclusive value="P10675199DT2H48M5.4775807S"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="guid" nillable="true" type="ser:guid"/>
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:attribute name="FactoryType" type="xs:QName"/>
  <xs:attribute name="Id" type="xs:ID"/>
  <xs:attribute name="Ref" type="xs:IDREF"/>
</xs:schema>

```

## 7.11 <http://schemas.datacontract.org/2004/07/System> Schema

```

<?xml version="1.0"?>
<xs:schema xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:q1="http://schemas.datacontract.org/2004/07/System" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="http://contoso.com/bdcservice.svc?xsd=xsd1"
namespace="http://schemas.microsoft.com/2003/10/Serialization/">
  <xs:complexType name="Exception">
    <xs:sequence>

```

```

        <xs:any minOccurs="0" maxOccurs="unbounded" namespace="##local"
processContents="skip"/>
    </xs:sequence>
    <xs:attribute ref="ser:FactoryType"/>
</xs:complexType>
<xs:element name="Exception" nillable="true" type="q1:Exception"/>
<xs:complexType name="InvalidOperationException">
    <xs:complexContent mixed="false">
        <xs:extension base="q1:SystemException"/>
    </xs:complexContent>
</xs:complexType>
<xs:element name="InvalidOperationException" nillable="true"
type="q1:InvalidOperationException"/>
<xs:complexType name="SystemException">
    <xs:complexContent mixed="false">
        <xs:extension base="q1:Exception"/>
    </xs:complexContent>
</xs:complexType>
<xs:element name="SystemException" nillable="true" type="q1:SystemException"/>
<xs:complexType name="Version">
    <xs:sequence>
        <xs:element name="_Build" type="xs:int"/>
        <xs:element name="_Major" type="xs:int"/>
        <xs:element name="_Minor" type="xs:int"/>
        <xs:element name="_Revision" type="xs:int"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="Version" nillable="true" type="q1:Version"/>
<xs:complexType name="ArgumentException">
    <xs:complexContent mixed="false">
        <xs:extension base="q1:SystemException"/>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ArgumentException" nillable="true" type="q1:ArgumentException"/>
<xs:complexType name="ArgumentNullException">
    <xs:complexContent mixed="false">
        <xs:extension base="q1:ArgumentException"/>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ArgumentNullException" nillable="true" type="q1:ArgumentNullException"/>
<xs:complexType name="ArgumentOutOfRangeException">
    <xs:complexContent mixed="false">
        <xs:extension base="q1:ArgumentException"/>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ArgumentOutOfRangeException" nillable="true"
type="q1:ArgumentOutOfRangeException"/>
</xs:schema>

```

## 8 Appendix C: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® SharePoint® Foundation 2010
- Microsoft® SharePoint® Foundation 15 Technical Preview

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

<1> [Section 2.2.4:](#) SharePoint Foundation 2010 requires that Business Logic Modules conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and are understood by the .NET Framework.

<2> [Section 2.2.4.4:](#) In SharePoint Foundation 2010, only the restriction that the **index** value be greater than or equal to zero is enforced.

<3> [Section 2.2.4.4:](#) In SharePoint Foundation 2010, this restriction is not enforced.

<4> [Section 2.2.4.21:](#) SharePoint Foundation 2010 always sets the values to zero on return.

<5> [Section 2.2.4.22:](#) SharePoint Foundation 2010 truncates this string to 255 Unicode characters if the length is more than 255 and then saves it to the server database. If the client later queries this string, the server will return the truncated string. However, the **\_associationName** returned by the **AddAssociationReferenceToAssociationGroup** operation is the same as the input **\_associationName**.

<6> [Section 2.2.4.22:](#) SharePoint Foundation 2010 truncates this string to 255 Unicode characters if the length is more than 255 and then saves it to the server database. If the client later queries this string, the server will return the truncated string. However, the **\_entityName** returned by the **AddAssociationReferenceToAssociationGroup** operation is the same as the input **\_entityName**.

<7> [Section 2.2.4.22:](#) SharePoint Foundation 2010 truncates this string to 255 Unicode characters if the length is more than 255 and then saves it to the server database. If the client later queries this string, the server will return the truncated string. However, the **\_entityNamespace** returned by the **AddAssociationReferenceToAssociationGroup** operation is the same as the input **\_entityNamespace**.

<8> [Section 2.2.4.41:](#) In SharePoint Foundation 2010, this can be other values.

<9> [Section 2.2.4.51:](#) SharePoint Foundation 2010 requires that Business Logic Modules conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and are understood by the .NET Framework.

<10> [Section 2.2.4.54:](#) In SharePoint Foundation 2010, when a new **TypeDescriptor** is created with the **MetadataObjectCreate** operation, the server always sets this element to NULL on return.

**SerializedRules** can be set to a non-null value using the **Update** operation or the **MetadataObjectReadXml** operation.

<11> [Section 2.2.4.54](#): The culture names used by SharePoint Foundation 2010 are as specified in [\[MSDN-SharePointSDK\]](#).

<12> [Section 2.2.4.54](#): SharePoint Foundation 2010 requires this data type to conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and to be understood by the .NET Framework.

<13> [Section 2.2.4.54](#): SharePoint Foundation 2010 requires that the data type to conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<14> [Section 2.2.4.54](#): The SharePoint Foundation 2010 module that performs the mapping of value of the **typeName** element to data types requires the value of the **typeName** element to be in the following format expressed in ABNF, as specified in [\[RFC5234\]](#):

```
Value = TypeName *1(%x2C BusinessLogicModule)
BusinessLogicModule = FullAssemblyName / LobSystemName
FullAssemblyName = LibraryIdentifier %x2C VersionProperty %x2C CultureProperty %x2C
PublicKeyTokenProperty
```

**LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** are as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

**TypeName**: The name of the type that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework. The format is as specified in [\[MS-NRTP\]](#) section 2.2.1.2.

**LobSystemName**: The name of the **LobSystem** that contains the **TypeDescriptor**.

The occurrence of the **BusinessLogicModule** element is required by SharePoint Foundation 2010 to yield to a **LobSystemName** element if the represented data type resides in the Business Logic Module associated with the **LobSystem** that contains the **TypeDescriptor**. Otherwise, the occurrence of **BusinessLogicModule** is required by SharePoint Foundation 2010 to be a **FullAssemblyName** element. The values for the **TypeName** specified in the following table do not require a **BusinessLogicModule**.

Value	Description
System.String	A string of Unicode text.
System.Int16	A number in the range from -32,768 through 32,767.
System.Int32	A number in the range from -2,147,483,648 through 2,147,483,647.
System.Int64	A number in the range from -9,223,372,036,854,775,808 through 9,223,372,036,854,775,807.
System.UInt16	A number in the range from 0 through 65,535.
System.UInt32	A number in the range from 0 through 4,294,967,295.
System.UInt64	A number in the range from 0 through 18,446,744,073,709,551,615.
System.DateTime	A date and time in the range from midnight, January 1, 1 A.D. through 11:59:59 PM,

Value	Description
	December 31, 9999 A.D., with a resolution of 100 nanoseconds.
System.TimeSpan	A duration in the range from negative 10,675,199 days 2 hours 48 minutes 5 seconds 477 milliseconds 580 microseconds 800 nanoseconds through positive 10,675,199 days 2 hours 48 minutes 5 seconds 477 milliseconds 580 microseconds 700 nanoseconds, with a resolution of 100 nanoseconds.
System.Single	A single-precision number in the range from -3.402823e38 through 3.402823e38.
System.Double	A double-precision number in the range from -1.79769313486232e308 through 1.79769313486232e308, as well as positive zero, negative zero, positive infinity, negative infinity, and NaN.
System.Decimal	A number in the range from -79,228,162,514,264,337,593,543,950,335 through 79,228,162,514,264,337,593,543,950,335.
System.Char	A Unicode character.
System.Byte	A number in the range from 0 through 255.
System.SByte	A number in the range from -128 through 127.
System.Guid	A GUID.
System.Boolean	A bit.
System.Uri	A <b>Uniform Resource Locator (URL)</b> .

<15> [Section 2.2.5.9](#): A Business Logic Module that conforms to the [\[ECMA-335\]](#) specification and is understood by the .NET Framework.

<16> [Section 3.1](#): SharePoint Foundation 2010 does this for some requests from untrusted sources.

<17> [Section 3.1](#): SharePoint Foundation 2010 does this for some requests from highly-trusted sources.

<18> [Section 3.1.4](#): In SharePoint Foundation 2010 implementation, the protocol client specifies the last known values for these elements. The protocol server uses the specified values to construct error messages and other informational messages.

<19> [Section 3.1.4](#): In SharePoint Foundation 2010, the implementation-specific maximum value is 2147483646.

<20> [Section 3.1.4](#): In SharePoint Foundation 2010, when the specific **metadataObject** name or namespace field is updated, the object version is incremented by 2. When the **Entity** name or namespace is updated, the server will return an **Entity** object with the version incremented by 1, but the **Entity** object version is incremented by 2 in the server database. If the **BulkSwitchActiveOrValidate** operation is called to make an **entity** active and the specific **entity** is already active, its object version will be incremented by 2.

<21> [Section 3.1.4](#): A Business Logic Module that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<22> [Section 3.1.4](#): The Business Logic Module conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<23> [Section 3.1.4:](#) In SharePoint Foundation 2010, this operation always returns zero **TypeDescriptors**.

<24> [Section 3.1.4:](#) The behavior is identified by the specific implementation of the custom code that handles **LobSystem** data, and is not understood by the protocol server implementation.

<25> [Section 3.1.4:](#) A set of Business Logic Modules that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and are understood by the .NET Framework.

<26> [Section 3.1.4:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the **LobSystem** to determine if the security principal is authorized to read the **LobSystem**.

<27> [Section 3.1.4:](#) A Business Logic Module that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<28> [Section 3.1.4:](#) SharePoint Foundation 2010 checks the edit rights of the security principal on the **LobSystem** to determine if the security principal is authorized to read the **LobSystem**.

<29> [Section 3.1.4:](#) SharePoint Foundation 2010 ignores the level parameter when retrieving the **TypeDescriptors**.

<30> [Section 3.1.4:](#) In SharePoint Foundation 2010, if the specified **MetadataObject** is Action, the server will ignore the **entityId** specified by the client and set its value to the id of the input **parentStruct**.

<31> [Section 3.1.4:](#) In SharePoint Foundation 2010, if there is an error in the input XML, the server will return an error to the client, but some **MetadataObjects** that had been created before encountering the error could still exist.

<32> [Section 3.1.4:](#) A set of Business Logic Modules that conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<33> [Section 3.1.4:](#) SharePoint Foundation 2010 does not enforce the specified **MetadataObject** to be a Model or an **LobSystem**.

<34> [Section 3.1.4.2.2.2:](#) In SharePoint Foundation 2010, when the **AddAssociationReferenceToAssociationGroup** operation completes successfully, the returned **associationGroupId** element of the **associationReference** structure is the same as the returned **id** element of the **associationReference** structure. However, the **associationGroupId** element of the **associationReference** structure stored on the server is the same as the **id** element of the **AssociationGroup** that contains this **AssociationReference** structure.

<35> [Section 3.1.4.5.2.1:](#) In SharePoint Foundation 2010, when the **BulkSwitchActiveOrValidate** operation cannot be performed because the value of the **validate** element is set to "false" and the protocol server encountered reference errors (as specified in section 3.1.4.5.3.2) when performing this operation, the active fields of the **Entities** returned by the **BulkSwitchActiveOrValidate** operation are updated to TRUE, but the active fields of the **Entities** stored on the server are not changed by this operation.

<36> [Section 3.1.4.5.3.2:](#) SharePoint Foundation 2010 does not return this error for this condition.

<37> [Section 3.1.4.5.3.2:](#) In this case, SharePoint Foundation 2010 does not return an error.

<38> [Section 3.1.4.5.3.2:](#) In this case, SharePoint Foundation 2010 does not return an error.

<39> [Section 3.1.4.13:](#) In SharePoint Foundation 2010, the **Method** will not be deleted when this operation does not execute successfully and the server throws a



**ConcurrentModificationExceptionState** exception, but the child objects of the specified **Method** could have been deleted before the error occurred.

<40> [Section 3.1.4.13](#): In SharePoint Foundation 2010, the **Parameter** will not be deleted when this operation does not succeed. But the root **TypeDescriptor** of the specified **Parameter**, as well as all the child objects of the root **TypeDescriptor**, will be deleted.

<41> [Section 3.1.4.14](#): In this case, SharePoint Foundation 2010 returns a [MetadataException](#) (from namespace [Microsoft.BusinessData.SharePoint](#)) serialized as specified in section [2.2.4](#).

<42> [Section 3.1.4.14](#): In this case, SharePoint Foundation 2010 returns a [MetadataException](#) (from namespace [Microsoft.BusinessData.SharePoint](#)) serialized as specified in section [2.2.4](#).

<43> [Section 3.1.4.16](#): In SharePoint Foundation 2010, the **Method** will not be deleted if this operation cannot execute successfully and the server throws a **ConcurrentModificationExceptionState** exception. But the **MethodInstances**, **FilterDescriptors**, and **Parameters** that are child objects of the specified **Method**, as well as all their child objects, could have already been deleted.

<44> [Section 3.1.4.16](#): In SharePoint Foundation 2010, the **Parameter** will not be deleted if this operation cannot execute successfully and the server throws a **ConcurrentModificationExceptionState** exception. But the root **TypeDescriptor** of the specified **Parameter**, as well as all the child objects of the root **TypeDescriptor**, will be deleted.

<45> [Section 3.1.4.17](#): A Business Logic Module that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<46> [Section 3.1.4.17](#): In SharePoint Foundation 2010, the server does not return any error complex type for this condition, but instead returns NULL.

<47> [Section 3.1.4.17.2.1](#): A Business Logic Module that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<48> [Section 3.1.4.19](#): In SharePoint Foundation 2010, a security principal (1) is authorized to export a **MetadataObject** if the same security principal (1) is authorized to modify the same **MetadataObject**.

<49> [Section 3.1.4.20](#): The Business Logic Module conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<50> [Section 3.1.4.24](#): SharePoint Foundation 2010 does not raise an error in this case.

<51> [Section 3.1.4.24](#): SharePoint Foundation 2010 does not raise an error in this case.

<52> [Section 3.1.4.25](#): SharePoint Foundation 2010 does not raise an error in this case.

<53> [Section 3.1.4.26](#): SharePoint Foundation 2010 does not raise an error in this case.

<54> [Section 3.1.4.27](#): SharePoint Foundation 2010 does not raise an error in this case.

<55> [Section 3.1.4.33](#): SharePoint Foundation 2010 does not return a fault in this case.

<56> [Section 3.1.4.33](#): SharePoint Foundation 2010 does not return a fault in this case.

<57> [Section 3.1.4.35](#): SharePoint Foundation 2010 does not raise an error in this case.

<58> [Section 3.1.4.36](#): SharePoint Foundation 2010 does not raise an error in this case.

<59> [Section 3.1.4.38](#): SharePoint Foundation 2010 does not raise an error in this case.

<60> [Section 3.1.4.40](#): SharePoint Foundation 2010 does not raise an error in this case.

<61> [Section 3.1.4.41](#): In SharePoint Foundation 2010, this operation always returns zero  
**TypeDescriptors**.

<62> [Section 3.1.4.41](#): SharePoint Foundation 2010 does not raise an error in this case.

<63> [Section 3.1.4.41](#): SharePoint Foundation 2010 does not raise an error in this case.

<64> [Section 3.1.4.43](#): SharePoint Foundation 2010 does not return a fault in this case.

<65> [Section 3.1.4.45](#): SharePoint Foundation 2010 does not raise an error in this case.

<66> [Section 3.1.4.45](#): SharePoint Foundation 2010 does not raise an error in this case.

<67> [Section 3.1.4.46](#): SharePoint Foundation 2010 does not return a fault in this case.

<68> [Section 3.1.4.48](#): SharePoint Foundation 2010 does not return a fault in this case.

<69> [Section 3.1.4.50](#): SharePoint Foundation 2010 does not raise an error in this case.

<70> [Section 3.1.4.50](#): SharePoint Foundation 2010 does not raise an error in this case.

<71> [Section 3.1.4.51](#): SharePoint Foundation 2010 does not return a fault when the value of the role parameter is not zero ("0") or "1".

<72> [Section 3.1.4.51](#): SharePoint Foundation 2010 returns a **BdcExceptionState** (from namespace <http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure>) error complex type in this case.

<73> [Section 3.1.4.56](#): SharePoint Foundation 2010 does not return a fault in this case.

<74> [Section 3.1.4.56](#): SharePoint Foundation 2010 does not return a fault in this case.

<75> [Section 3.1.4.58](#): SharePoint Foundation 2010 does not return a fault in this case.

<76> [Section 3.1.4.58](#): SharePoint Foundation 2010 does not return a fault in this case.

<77> [Section 3.1.4.60](#): SharePoint Foundation 2010 does not raise an error in this case.

<78> [Section 3.1.4.60](#): SharePoint Foundation 2010 does not raise an error in this case.

<79> [Section 3.1.4.61](#): The behavior is identified by the specific implementation of the custom code that handles **LobSystem** data, and is not understood by the protocol server implementation.

<80> [Section 3.1.4.61](#): SharePoint Foundation 2010 checks the edit rights of the security principal (1) on the **LobSystem** to determine if the security principal (1) is authorized to read the **LobSystem**.

<81> [Section 3.1.4.63](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the **LobSystem** to determine if the security principal is authorized to read the **LobSystem**.

<82> [Section 3.1.4.64](#): A set of Business Logic Modules that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and are understood by the .NET Framework.

<83> [Section 3.1.4.64](#): SharePoint Foundation 2010 does not raise an error in this case.

<84> [Section 3.1.4.64](#): SharePoint Foundation 2010 does not raise an error in this case.

<85> [Section 3.1.4.64.2.2](#): A set of Business Logic Modules that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<86> [Section 3.1.4.66](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the **LobSystem** to determine if the security principal is authorized to read the **LobSystem**.

<87> [Section 3.1.4.66](#): SharePoint Foundation 2010 does not return a fault in this case.

<88> [Section 3.1.4.66](#): SharePoint Foundation 2010 does not return a fault in this case.

<89> [Section 3.1.4.67](#): A Business Logic Module that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<90> [Section 3.1.4.67](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the LobSystem to determine if the security principal is authorized to read the LobSystem.

<91> [Section 3.1.4.67.2.2](#): A set of Business Logic Modules that conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<92> [Section 3.1.4.69](#): SharePoint Foundation 2010 checks the edit rights of the security principal on the **LobSystem** to determine if the security principal is authorized to read the **LobSystem**.

<93> [Section 3.1.4.69](#): SharePoint Foundation 2010 does not return a fault in this case.

<94> [Section 3.1.4.69](#): SharePoint Foundation 2010 does not return a fault in this case.

<95> [Section 3.1.4.72](#): SharePoint Foundation 2010 does not raise an error in this case.

<96> [Section 3.1.4.73](#): SharePoint Foundation 2010 does not raise an error in this case.

<97> [Section 3.1.4.74](#): SharePoint Foundation 2010 does not return a fault in this case.

<98> [Section 3.1.4.74](#): SharePoint Foundation 2010 does not return a fault in this case.

<99> [Section 3.1.4.77](#): SharePoint Foundation 2010 does not return a fault in this case.

<100> [Section 3.1.4.80](#): SharePoint Foundation 2010 does not return a fault in this case.

<101> [Section 3.1.4.80](#): SharePoint Foundation 2010 does not return a fault in this case.

<102> [Section 3.1.4.83.2.2](#): SharePoint Foundation 2010 requires the identifier to be in the following format as expressed in ABNF, as specified in [\[RFC5234\]](#):

```
Identifier = TypeName (%x2C FullAssemblyName)
FullAssemblyName = LibraryIdentifier %x2C VersionProperty %x2C CultureProperty %x2C
PublicKeyTokenProperty
```

**LibraryIdentifier**, **VersionProperty**, **PublicKeyTokenProperty**, and **CultureProperty** are as specified in [\[MS-NRTP\]](#) section 2.2.1.3.

**TypeName**: The name of the type that conforms to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework. The format is specified in [\[MS-NRTP\]](#) section 2.2.1.2. The specified type implements operations that are described in [\[MSDN-SharePointSDK\]](#).

<103> [Section 3.1.4.86:](#) SharePoint Foundation 2010 ignores the level parameter when retrieving the **TypeDescriptors**.

<104> [Section 3.1.4.94.2.2:](#) SharePoint Foundation 2010 always sets this element to false regardless of whether or not the specified **Parameter** contains a **ReturnTypeDescriptor**.

<105> [Section 3.1.4.95:](#) In SharePoint Foundation 2010, if the specified **MetadataObject** is Action, the server will ignore the **entityId** specified by the client and set its value to the id of the input **parentStruct**.

<106> [Section 3.1.4.95.2.2:](#) In SharePoint Foundation 2010, if the **MetadataObject** specified in the request is a **MetadataCatalog** and the client specifies a name for it, the server will ignore the name set by the client and set the new created **MetadataCatalog** name with the input **partitionId**. If the **MetadataObject** specified in the request is associated with the empty **DestinationEntityName** and empty **DestinationEntityNamespace** set by the client, the server will create the association using "," as the **DestinationEntityName** value and **DestinationEntityNamespace** value. If the **MetadataObject** specified in the request is associated with the empty **DestinationEntityName** and non-empty **DestinationEntityNamespace** set by the client, the server will create the association using "," as the **DestinationEntityName** value and will use the associated input **DestinationEntityNamespace** value appended with a "," as the **DestinationEntityNamespace** value.

<107> [Section 3.1.4.97:](#) In SharePoint Foundation 2010, if there is an error in the input XML, the server will return an error to the client, but some **MetadataObjects** that had been created before encountering the error could still exist.

<108> [Section 3.1.4.97:](#) SharePoint Foundation 2010 returns a fault containing the [InvalidOperationException](#) (from namespace <http://schemas.datacontract.org/2004/07/System>) complex type in this case.

<109> [Section 3.1.4.99:](#) SharePoint Foundation 2010 returns a fault containing the [InvalidOperationException](#) (from namespace <http://schemas.datacontract.org/2004/07/System>) complex type in this case.

<110> [Section 3.1.4.99.2.1:](#) In SharePoint Foundation 2010, if this element is set to TRUE, the protocol server does not remove the **Entity** references from the **Model** and does not create **Entity** references in the **Model** for all **Entities** in the specified **MetadataModel**.

<111> [Section 3.1.4.100.2.1:](#) SharePoint Foundation 2010 does not validate this constraint.

<112> [Section 3.1.4.100.2.1:](#) SharePoint Foundation 2010 does not enforce this to be **MetadataCatalog**.

<113> [Section 3.1.4.110:](#) A set of Business Logic Modules that conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<114> [Section 3.1.4.110.2.1:](#) A set of Business Logic Modules that conform to the Common Language Infrastructure (CLI), as specified in [\[ECMA-335\]](#), and is understood by the .NET Framework.

<115> [Section 3.1.4.114:](#) SharePoint Foundation 2010 does not return a fault in this case.

<116> [Section 3.1.4.114:](#) SharePoint Foundation 2010 does not return a fault in this case.

<117> [Section 3.1.4.114:](#) SharePoint Foundation 2010 does not raise an error in this case.

[<118> Section 3.1.4.114:](#) In SharePoint Foundation 2010, if the **ordinalNumber** attribute of the specified **Parameter** is the same as the **ordinalNumber** attribute of another **Parameter** contained by the **Method** containing the specified **Parameter**, the server throws the **BdcExceptionState** error, and the **ordinalNumber** attribute of the specified **Parameter** is updated to the same as the **ordinalNumber** attribute in the request message. After the operation completes, there are two **Parameters** with the same **ordinalNumber** attribute.

[<119> Section 3.1.4.114:](#) In SharePoint Foundation 2010, if the **isDefault** attribute of the specified **MethodInstance** is set to "false" (and the previous **isDefault** attribute of all **MethodInstances** that have the same value for the **MethodInstanceType** attribute in the containing **DataClass** is "false") the protocol server sets the **isDefault** attribute of one **MethodInstance** with the same value for **MethodInstanceType** in the containing **DataClass** to "true". The algorithm used by the server to determine which **MethodInstance** to alter is based on an implementation-specific algorithm, and is therefore nondeterministic.

[<120> Section 3.1.4.115:](#) SharePoint Foundation 2010 does not enforce the specified **MetadataObject** to be a **Model** or an **LobSystem**.

[<121> Section 3.1.4.115.2.1:](#) SharePoint Foundation 2010 does not validate this constraint.

## 9 Change Tracking

This section identifies changes that were made to the [MS-BDCWPS] protocol document between the June 2011 and January 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact [protocol@microsoft.com](mailto:protocol@microsoft.com).

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">1 Introduction</a>	Added information about normative and informative language.	N	Content updated.
<a href="#">1.1 Glossary</a>	Added the term "XML namespace".	N	New content added.
<a href="#">1.4 Relationship to Other Protocols</a>	Updated the description for Relationship to other protocols section.	N	Content updated.
<a href="#">1.5 Prerequisites/Preconditions</a>	Added description for the endpoint URL in precondition.	N	New content added.
<a href="#">1.7 Versioning and Capability Negotiation</a>	Changed normative language to informative language.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">2.1 Transport</a>	Modified the description for ServiceContext header.	N	Content updated.
<a href="#">2.1 Transport</a>	Updated references in the description.	N	Content updated.
<a href="#">2.2.1 Namespaces</a>	Added references for the xs namespace prefix.	N	Content updated.
<a href="#">2.2.1 Namespaces</a>	Removed the soap from the Namespace table.	N	Content removed.
<a href="#">2.2.4 Complex Types</a>	Updated Code element details for Complex Types.	N	Content updated.
<a href="#">2.2.4 Complex Types</a>	Updated the description of the ArrayOfPropertyStruct in the table to identify Property.	N	Content updated.
<a href="#">2.2.4.1 AccessControlEntryStruct</a>	Removed one sentence from the description of the principalBinaryForm and principalDisplayName element	N	Content removed.
<a href="#">2.2.4.1 AccessControlEntryStruct</a>	Removed one sentence from the description of the principalBinaryForm and principalDisplayName element.	N	Content removed.
<a href="#">2.2.4.1 AccessControlEntryStruct</a>	Modified the description of rights element in AccessControlEntryStruct.	N	Content updated.
<a href="#">2.2.4.1 AccessControlEntryStruct</a>	Updated description of the rights element of AccessControlEntryStruct.	N	Content updated.
<a href="#">2.2.4.1 AccessControlEntryStruct</a>	Updated descriptions for principalBinaryForm and	N	Content



Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	principalDisplayName elements of AccessControlEntryStruct		updated.
<a href="#">2.2.4.1 AccessControlEntryStruct</a>	Updated reference link in description of principalName element.	N	Content updated.
<a href="#">2.2.4.3 AccessDeniedExceptionState</a>	Updated element details in schema for AccessDeniedExceptionState.	N	Content updated.
<a href="#">2.2.4.3 AccessDeniedExceptionState</a>	Updated element details in the schema for AccessDeniedException.	N	Content updated.
<a href="#">2.2.4.4 ActionParameterStruct</a>	Updated the maximum value of the actionId element from 0x7fffffff to 0x7fffffff.	N	Content updated.
<a href="#">2.2.4.4 ActionParameterStruct</a>	Updated description for actionId element in ActionParameterStruct.	N	Content updated.
<a href="#">2.2.4.4 ActionParameterStruct</a>	Modified normative language and product behavior note placement in the description of the index parameter.	N	Content updated.
<a href="#">2.2.4.4 ActionParameterStruct</a>	Updated element details in the schema for ActionParameterStruct.	N	Content updated.
<a href="#">2.2.4.4 ActionParameterStruct</a>	Updated the product behavior note to include the index value in the restriction.	N	Product behavior note updated.
<a href="#">2.2.4.5 ActionStruct</a>	Added a new restriction for position element.	N	New content added.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">2.2.4.5 ActionStruct</a>	Added a new restriction for the position element.	N	New content added.
<a href="#">2.2.4.5 ActionStruct</a>	Modified the entityId range from 1-0x7ffffff to 0-0x7ffffff.	N	Content updated.
<a href="#">2.2.4.5 ActionStruct</a>	Updated description for entityId, imageUrl and isOpenedInNewWindow element in ActionStruct.	N	Content updated.
<a href="#">2.2.4.5 ActionStruct</a>	Updated description for position element of ActionStruct.	N	Content updated.
<a href="#">2.2.4.5 ActionStruct</a>	Updated element details in the schema for ActionStruct.	N	Content updated.
<a href="#">2.2.4.6 AdministrationMetadataCatalogStruct</a>	Updated element details in the schema for AdministrationMetadataCatalogStruct.	N	Content updated.
<a href="#">2.2.4.7 ArgumentException</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.8 ArgumentNullException</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.9 ArgumentOutOfRangeException</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.10 ArrayOfAccessControlEntryStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.11 ArrayOfAssociationStruct</a>	Updated element details in the schema.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">2.2.4.12 ArrayOfEntityStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.13 ArrayOfLobSystemStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.14 ArrayOfLocalizedNameStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.15 ArrayOfMethodInstanceStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.16 ArrayOfModelStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.17 ArrayOfPropertyStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.18 ArrayOfstring</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.19 ArrayOfTypeDescriptorStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.20 ArrayOfunsignedInt</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.21 AssociationGroupStruct</a>	Removed the MUST be present sentence from the elements description of AssociationGroupStruct.	N	Content removed.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">2.2.4.21 AssociationGroupStruct</a>	Modified the description of elements in AssociationGroupStruct.	N	Content updated.
<a href="#">2.2.4.21 AssociationGroupStruct</a>	Updated the element descriptions for AssociationGroupStruct.	N	Content updated.
<a href="#">2.2.4.21 AssociationGroupStruct</a>	Updated minOccurs values in schema.	N	Content updated.
<a href="#">2.2.4.21 AssociationGroupStruct</a>	Added a product behavior note in the description of associationIds.	N	New product behavior note added.
<a href="#">2.2.4.22 AssociationReferenceStruct</a>	Modified the description of the three _associationName, _entityName and _entityNamespace elements in AssociationReferenceStruct and added the product behavior for these three elements.	N	New product behavior note added.
<a href="#">2.2.4.22 AssociationReferenceStruct</a>	Removed the MUST be present sentence of elements in AssociationReferenceStruct.	N	Content removed.
<a href="#">2.2.4.22 AssociationReferenceStruct</a>	Modified the range of associationId.	N	Content updated.
<a href="#">2.2.4.22 AssociationReferenceStruct</a>	Updated the element descriptions for AssociationReferenceStruct.	N	Content updated.
<a href="#">2.2.4.22 AssociationReferenceStruct</a>	Added product behaviors for _associationName, _entityName, and _entityNamespace	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	parameters of AssociationReferenceStruct.		
<a href="#">2.2.4.22 AssociationReferenceStruct</a>	Updated element details in schema for AssociationReferenceStruct.	N	Content updated.
<a href="#">2.2.4.23 AssociationStruct</a>	Removed one sentence from the description of associationGroupId.	N	Content removed.
<a href="#">2.2.4.23 AssociationStruct</a>	Updated element details in schema for AssociationStruct.	N	Content updated.
<a href="#">2.2.4.24 BdcException</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.25 BdcExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.26 ComplexValueStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.27 ConcurrentModificationExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.28 DataClassStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.29 DefaultValueStruct</a>	Updated the description for methodInstanceName element.	N	Content updated.
<a href="#">2.2.4.29 DefaultValueStruct</a>	Updated element details in schema for DefaultValueStruct.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">2.2.4.30 DuplicateMetadataObjectExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.31 EntityStruct</a>	Updated the description for cacheUsage, description, and estimatedInstanceCount elements in EntityStruct.	N	Content updated.
<a href="#">2.2.4.31 EntityStruct</a>	Updated minOccurs values in schema.	N	Content updated.
<a href="#">2.2.4.31 EntityStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.32 ExceededMetadataObjectLimitExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.33 Exception</a>	Added description for ser:FactoryType attribute of the Exception error complex type.	N	New content added.
<a href="#">2.2.4.33 Exception</a>	Added description and definition for q1:FactoryType attribute.	N	Content updated.
<a href="#">2.2.4.33 Exception</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.34 FilterDescriptorStruct</a>	Updated description of filterField attribute.	N	Content updated.
<a href="#">2.2.4.34 FilterDescriptorStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.35 IdentifierStruct</a>	Updated element details in the schema.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">2.2.4.36 InvalidMetadataObjectExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.37 InvalidMetadataPropertyExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.38 InvalidOperationException</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.39 LobSystemInstanceStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.40 LobSystemStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.41 LocalizedNameStruct</a>	Added the description for settingId element of LocalizedNameStruct.	N	New content added.
<a href="#">2.2.4.41 LocalizedNameStruct</a>	Updated element details in schema for LocalizedNameStruct.	N	Content updated.
<a href="#">2.2.4.42 MetadataException</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.43 MetadataObjectNotFoundExceptionState</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.44 MetadataObjectStruct</a>	Updated the possible values for the isCached element from "True" and "False" (capitalized) to "true" and	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	"false" (lowercase).		
<a href="#">2.2.4.44 MetadataObjectStruct</a>	Updated the description of the id, IsCached, and ObjectVersion elements of MetadataObjectStruct.	N	Content updated.
<a href="#">2.2.4.44 MetadataObjectStruct</a>	Updated element details in schema for MetadataObjectStruct.	N	Content updated.
<a href="#">2.2.4.45 MethodInstanceStruct</a>	Updated the possible values for the isDefault element from "True" and "False" (capitalized) to "true" and "false" (lowercase).	N	Content updated.
<a href="#">2.2.4.45 MethodInstanceStruct</a>	Updated description for isDefault and methodId element in MethodInstanceStruct.	N	Content updated.
<a href="#">2.2.4.45 MethodInstanceStruct</a>	Updated minOccurs values in schema.	N	Content updated.
<a href="#">2.2.4.46 MethodStruct</a>	Updated the possible values for the isStatic element from "True" and "False" (capitalized) to "true" and "false" (all lowercase).	N	Content updated.
<a href="#">2.2.4.46 MethodStruct</a>	Updated the description for entityId, isStatic and lobName elements in MethodStruct.	N	Content updated.
<a href="#">2.2.4.46 MethodStruct</a>	Updated element details in schema for MethodStruct.	N	Content updated.
<a href="#">2.2.4.47 ModelStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.48 PackageFormatExceptionState</a>	Updated element details in the schema.	N	Content updated.



<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">2.2.4.49 ParameterStruct</a>	Updated element details in the schema.	N	Cont ent upda ted.
<a href="#">2.2.4.50 PropertyStruct</a>	Updated the description for the metadataObjectId element of PropertyStruct.	N	Cont ent upda ted.
<a href="#">2.2.4.50 PropertyStruct</a>	Updated description of typeName element.	N	Cont ent upda ted.
<a href="#">2.2.4.50 PropertyStruct</a>	Updated element details in the schema.	N	Cont ent upda ted.
<a href="#">2.2.4.51 ProxyGenerationResult</a>	Updated the description of fingerprint element.	N	Cont ent upda ted.
<a href="#">2.2.4.51 ProxyGenerationResult</a>	Updated element details in the schema.	N	Cont ent upda ted.
<a href="#">2.2.4.51 ProxyGenerationResult</a>	Updated the description of compiledBytes element.	N	Cont ent upda ted.
<a href="#">2.2.4.51 ProxyGenerationResult</a>	Updated the description of the ProxyGenerationResult complex type by removing a sentence.	N	Cont ent upda ted.
<a href="#">2.2.4.52 SafetyNetStruct</a>	Updated the description of proxyId element.	N	Cont ent upda ted.
<a href="#">2.2.4.52 SafetyNetStruct</a>	Updated element details in the schema.	N	Cont ent upda ted.
<a href="#">2.2.4.53 SystemException</a>	Updated element details in the schema.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">2.2.4.54 TypeDescriptorStruct</a>	Updated the descriptions of the associationId, childrenContainRules, containsFilterDescriptor, containsIdentifier, containsReadOnly, filterDescriptorId, and parentTypeDescriptorId elements.	N	Content updated.
<a href="#">2.2.4.54 TypeDescriptorStruct</a>	Added product behavior note for the serializedRules element.	N	New product behavior note added.
<a href="#">2.2.4.54 TypeDescriptorStruct</a>	Updated the description of mapping modules for the typeName element.	N	Content updated.
<a href="#">2.2.4.54 TypeDescriptorStruct</a>	Updated minOccurs values in schema.	N	Content updated.
<a href="#">2.2.4.54 TypeDescriptorStruct</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.4.55 Version</a>	Updated element details in the schema.	N	Content updated.
<a href="#">2.2.5 Simple Types</a>	Removed duplicate table.	N	Content removed.
<a href="#">2.2.5 Simple Types</a>	Updated each description in the simple type table.	N	Content updated.
<a href="#">2.2.5.1 CacheUsage</a>	Updated the element details in the schema.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">2.2.5.2 char</a>	Updated the description for char simple type.	N	Content updated.
<a href="#">2.2.5.2 char</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.3 DirectionType</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.4 duration</a>	Updated the description for duration simple type.	N	Content updated.
<a href="#">2.2.5.4 duration</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.5 FilterType</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.5 FilterType</a>	Added "Sorting" to the list of allowable values.	N	Content updated.
<a href="#">2.2.5.6 guid</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.7 MethodInstanceType</a>	Updated description for methodInstance type that requires an input.	N	Content updated.
<a href="#">2.2.5.7 MethodInstanceType</a>	Updated the element details in the schema.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">2.2.5.7 MethodInstanceType</a>	Added "EventSubscriber" and "EventUnsubscriber" to the list of allowable values.	N	Content updated.
<a href="#">2.2.5.8 PackageContents</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.9 SystemType</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.9 SystemType</a>	Added "OData" to the list of allowable values.	N	Content updated.
<a href="#">2.2.5.10 ThrottleScope</a>	Added "OData" to the list of allowable values.	N	Content updated.
<a href="#">2.2.5.10 ThrottleScope</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.11 ThrottleType</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.12 TypeDescriptorFlags</a>	Updated the element details in the schema.	N	Content updated.
<a href="#">2.2.5.12 TypeDescriptorFlags</a>	Added "IsSortInput" to the list of allowable values.	N	Content updated.
<a href="#">3.1.1 Abstract Data Model</a>	Updated the description of the DataClass, Entity, and Association data types.	N	Content updated.
<a href="#">3.1.1 Abstract Data Model</a>	Updated the description of the MethodInstance data type.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.1 Abstract Data Model</a>	Updated the description of the Association data type.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Added product behavior note about updating MetadataObject version.	N	New product behavior note added.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated object versioning details for MetadataObjects in the metadata store.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Added language to clarify description of when object versions of MetadataObjects are updated.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Modified the description of how the object version is incremented when the operation succeeds.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated description of fault conditions returned by the server.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Moved some conditions from ArgurmentExceptionState to PackageFormatExceptionState in ModelReadXml operation.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Moved some conditions from ArgurmentExceptionState to PackageFormatExceptionState in ModelReadXml operation.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the product behavior note describing object versioning behavior.	N	Product behavior note updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the description of the ExportPackage description by adding language about xml conforming.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Added reference to MS-BDCDPS in the description of GetCacheInvalidationRecords Since.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the description of MetadataObjectReadXml to include information about creating a default localized name for the MetadataModel.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the description of SaveLocalizedName by clarifying that the Setting is included with LCID.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the description of SaveProperty by adding "in the same Setting".	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Updated the description of SetAccessControlEntries by adding a note about the SetAccessControlEntries element containing an accessControlEntries element.	N	Content updated.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Added product behavior notes in the descriptions of GetTypeDescriptorsByNameAndLevelForParameter, MetadataObjectCreate, and MetadataObjectReadXml.	N	New product behavior note added.
<a href="#">3.1.4.1 Activate</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.1 Activate</a>	Updated the Activate description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.1.1</a>	Added a table that	N	Cont

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">Messages</a>	summarizes the set of WSDL message definitions.		ent upda ted.
<a href="#">3.1.4.1.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.1.2.1 Activate</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.1.2.2 ActivateResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.2 AddAssociationReferenceToAssociationGroup</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.2 AddAssociationReferenceToAssociationGroup</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.2.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.2.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.2.2.1 AddAssociationReferenceToAssociationGroup</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.2.2.2 AddAssociationReferenceToAssociationGroupResponse</a>	Added a product behavior note to the description of the associationReferenceStruct element.	N	New prod uct beha vior note adde d.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">3.1.4.2.2 AddAssociationReferenceToAssociationGroupResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.3 AddEntityToModel</a>	Added condition for BdcExceptionState error in AddEntityToModel.	N	New content added.
<a href="#">3.1.4.3 AddEntityToModel</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.3.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.3.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.3.2.1 AddEntityToModel</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.3.2.2 AddEntityToModelResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.4 AddThrottlingRule</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.4.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.4.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.4.2.1 AddThrottlingRule</a>	Updated the data for the WSDL operation.	N	Content



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">3.1.4.4.2.2 AddThrottlingRuleResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.5 BulkSwitchActiveOrValidate</a>	Removed InvalidOperationException from list of possible error complex types.	N	Content removed.
<a href="#">3.1.4.5 BulkSwitchActiveOrValidate</a>	Removed InvalidOperationException from list of possible error complex types.	N	Content removed.
<a href="#">3.1.4.5 BulkSwitchActiveOrValidate</a>	Updated the description of AccessDeniedExceptionState in BulkSwitchActiveOrValidate operation.	N	Content updated.
<a href="#">3.1.4.5 BulkSwitchActiveOrValidate</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.5 BulkSwitchActiveOrValidate</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.5.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.5.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.5.2.1 BulkSwitchActiveOrValidate</a>	Updated the description of BulkSwitchActiveOrValidate.	N	Content updated.
<a href="#">3.1.4.5.2.1 BulkSwitchActiveOrValidate</a>	Updated the description of BulkSwitchActiveOrValidate.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.5.2.1 BulkSwitchActiveOrValidate</a>	Added a product behavior note to the description of the validate element.	N	New product behavior note added.
<a href="#">3.1.4.5.2.1 BulkSwitchActiveOrValidate</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.5.2.2 BulkSwitchActiveOrValidateResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.5.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.5.3.1 ArrayOfActivationErrorRecordStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.5.3.2 ActivationErrorRecordStruct</a>	Clarified the meaning of the "Build" and "Revision" parts of the "containingEntityVersion" element.	Y	Content updated.
<a href="#">3.1.4.5.3.2 ActivationErrorRecordStruct</a>	Added a product behavior endnote to the description of error code -803.	N	New product behavior note added.
<a href="#">3.1.4.5.3.2 ActivationErrorRecordStruct</a>	Added a product behavior endnote to the description of error code -803.	N	New product behavior note added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.5.3.2 ActivationErrorRecordStruct</a>	Added a product behavior note for the condition of error code -1008.	N	New product behavior note added.
<a href="#">3.1.4.5.3.2 ActivationErrorRecordStruct</a>	Clarified description of error code -805.	N	Content updated.
<a href="#">3.1.4.5.3.2 ActivationErrorRecordStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.6 CheckPathInMethodInstances</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.6 CheckPathInMethodInstances</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.6.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.6.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.6.2.1 CheckPathInMethodInstances</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.6.2.2 CheckPathInMethodInstancesResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.7 ClearLocalizedNames</a>	Updated the operation details in the wsdl.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.7 ClearLocalizedNames</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.7.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.7.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.7.2.1 ClearLocalizedNames</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.7.2.2 ClearLocalizedNamesResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.8 ClearProperties</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.8 ClearProperties</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.8.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.8.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.8.2.1 ClearProperties</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.8.2.2 ClearPropertiesResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.9 CopyAclAcrossChildren</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.9 CopyAclAcrossChildren</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.9.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.9.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.9.2.1 CopyAclAcrossChildren</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.9.2.2 CopyAclAcrossChildrenResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.10 CopyAclAcrossChildrenForSetting</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.10 CopyAclAcrossChildrenForSetting</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.10.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.10.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.10.2.1</a>	Updated the data for the	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">CopyAclAcrossChildrenForSetting</a>	WSDL operation.		ent upda ted.
<a href="#">3.1.4.10.2.2 CopyAclAcrossChildrenForSettingResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.11 CopyAclToSetting</a>	Updated description for AccessDeniedExceptionState error complex type.	N	Cont ent upda ted.
<a href="#">3.1.4.11 CopyAclToSetting</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.11 CopyAclToSetting</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.11.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.11.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.11.2.1 CopyAclToSetting</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.11.2.2 CopyAclToSettingResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.12 Deactivate</a>	Added reference to condition description for InvalidOperationException error complex type.	N	New conte nt adde d.
<a href="#">3.1.4.12 Deactivate</a>	Updated the operation details in the wsdl.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.12 Deactivate</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.12.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.12.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.12.2.1 Deactivate</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.12.2.2 DeactivateResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.13 Delete</a>	Added description of objectVersion and ordinalNumber behaviors for the Parameter MetadataObject.	N	New content added.
<a href="#">3.1.4.13 Delete</a>	Added product behavior note about a condition for the Parameter MetadataObject.	N	New product behavior note added.
<a href="#">3.1.4.13 Delete</a>	Updated condition description of InvalidOperationException error complex type for Delete operation.	N	Content updated.
<a href="#">3.1.4.13 Delete</a>	Added a product behavior note to the description of the Method MetadataObject.	N	New product behavior note

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			added.
<a href="#">3.1.4.13 Delete</a>	Removed the InvalidOperationException entry for a specific condition and updated one condition for InvalidOperationException.	N	Content updated.
<a href="#">3.1.4.13 Delete</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.13 Delete</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.13.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.13.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.13.2.1 Delete</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.13.2.2 DeleteResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Removed product behavior note from description of MetadataObjectNotFoundExce ptionState error complex type.	N	Product behavior note removed.
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Added entry and description for AccessDeniedExceptionState error complex type.	N	New content added.



<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Updated the description for AccessDeniedExceptionState and MetadataObjectNotFoundExceptionState.	N	Content updated.
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Removed product behavior note from description of ArgumentOutOfRangeException error complex type.	N	Product behavior note removed.
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.14 DeleteAssociationReferenceFromAssociationGroup</a>	Updated the description for ArgumentOutOfRangeException.	N	Content updated.
<a href="#">3.1.4.14.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.14.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.14.2.1 DeleteAssociationReferenceFromAssociationGroup</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.14.2.2 DeleteAssociationReferenceFromAssociationGroupResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.15 DeleteDefaultValueForTypeDescriptor</a>	Updated the operation details in the wsdl.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.15 DeleteDefaultValueForTypeDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.15.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.15.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.15.2.1 DeleteDefaultValueForTypeDescriptor</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.15.2.2 DeleteDefaultValueForTypeDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Added description of objectVersion and ordinalNumber behavior for the Parameter MetadataObject.	N	New content added.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Added product behavior note to describe a condition for the Parameter MetadataObject.	N	New product behavior note added.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Updated condition description of InvalidOperationException error complex type for DeleteNoCascade operation.	N	Content updated.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Removed the InvalidOperationException for the specific condition and updated one condition for InvalidOperationException.	N	Content updated.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Added a product behavior note to specify the behavior	N	New prod

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	when the operation does not succeed if the MetadataObject is Method.		uct behavior note added.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Removed a condition for InvalidOperationException error complex type.	N	Content removed.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.16 DeleteNoCascade</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.16.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.16.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.16.2.1 DeleteNoCascade</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.16.2.2 DeleteNoCascadeResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.17 DeleteProxyAssemblyForLobSystem</a>	Added a product behavior note for the description of the MetadataObjectNotFoundExce ptionState error complex type.	N	New product behavior note added.
<a href="#">3.1.4.17 DeleteProxyAssemblyForLobSystem</a>	Updated the operation details in the wsdl.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">3.1.4.17 DeleteProxyAssemblyForLobSystem</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.17.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.17.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.17.2.1 DeleteProxyAssemblyForLobSystem</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.17.2.2 DeleteProxyAssemblyForLobSystemResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.18 EntityCreate</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.18 EntityCreate</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.18.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.18.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.18.2.1 EntityCreate</a>	Updated the data for the WSDL operation.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.18.2.2 EntityCreateResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.19 ExportPackage</a>	Removed Properties, localized names, and ACEs from the description of the XML representation that the ExportPackage operation retrieves if "Model" is set for the packageContents element.	N	Content removed.
<a href="#">3.1.4.19 ExportPackage</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.19 ExportPackage</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.19.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.19.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.19.2.1 ExportPackage</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.19.2.2 ExportPackageResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.20 GenerateProxyAssemblyForLobSystem</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.20 GenerateProxyAssemblyForLobSystem</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.20.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.20.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.20.2.1 GenerateProxyAssemblyForLobSystem</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.20.2.2 GenerateProxyAssemblyForLobSystemResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.21 GetAccessControlEntries</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.21 GetAccessControlEntries</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.21.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.21.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.21.2.1 GetAccessControlEntries</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.21.2.2 GetAccessControlEntriesResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.22 GetActionById</a>	Updated the operation details in the wsdl.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.22 GetActionById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.22.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.22.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.22.2.1 GetActionById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.22.2.2 GetActionByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.23 GetActionParameterById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.23 GetActionParameterById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.23 GetActionParameterById</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.23 GetActionParameterById</a>	Added the MetadataObjectNotFoundExceptionState error complex type to the table.	N	Content updated.
<a href="#">3.1.4.23.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.23.2</a>	Added a table that	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">Elements</a>	summarizes the XML schema element definitions.		ent upda ted.
<a href="#">3.1.4.23.2.1 GetActionParameterById</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.23.2.1 GetActionParameterById</a>	Updated the description of the performErrorCheck element.	N	Cont ent upda ted.
<a href="#">3.1.4.23.2.2 GetActionParameterByIdResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.24 GetActionParametersForAction</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.24 GetActionParametersForAction</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.24 GetActionParametersForAction</a>	Added error complex types to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.24.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.24.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.24.2.1 GetActionParametersForAction</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.24.2.2 GetActionParametersForActionResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.24.3</a> <a href="#">Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.24.3.1</a> <a href="#">ArrayOfActionParameterStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.25</a> <a href="#">GetActionsForEntity</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.25</a> <a href="#">GetActionsForEntity</a>	Added a paragraph about the request and response message.	N	Content updated.
<a href="#">3.1.4.25.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.25.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.25.2.1</a> <a href="#">GetActionsForEntity</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.25.2.2</a> <a href="#">GetActionsForEntityResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.25.3</a> <a href="#">Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.25.3.1</a> <a href="#">ArrayOfActionStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.26</a> <a href="#">GetAllLocalizedNames</a>	Updated the operation details in the wsdl.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.4.26 GetAllLocalizedNames</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.26 GetAllLocalizedNames</a>	Updated the condition for the MetadataObjectNotFoundExce ptionState error complex type.	N	Content updated.
<a href="#">3.1.4.26.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.26.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.26.2.1 GetAllLocalizedNames</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.26.2.2 GetAllLocalizedNamesResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.27 GetAllLocalizedNamesForMetadataObjectStruct</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.27 GetAllLocalizedNamesForMetadataObjectStruct</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.27.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.27.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.27.2.1</a>	Updated the data for the	N	Cont

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">GetAllLocalizedNamesForMetadataObjectStruct</a>	WSDL operation.		ent upda ted.
<a href="#">3.1.4.27.2.2 GetAllLocalizedNamesForMetadataObjectStructResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.28 GetAllPartitionIds</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.28 GetAllPartitionIds</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.28.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.28.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.28.2.1 GetAllPartitionIds</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.28.2.2 GetAllPartitionIdsResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.28.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.28.3.1 ArrayOfguid</a>	Updated the operation for the complex type.	N	Cont ent upda ted.
<a href="#">3.1.4.29 GetAllProperties</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.29 GetAllProperties</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.29.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.29.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.29.2.1 GetAllProperties</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.29.2.2 GetAllPropertiesResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.30 GetAllPropertiesForMetadataObjectStruct</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.30 GetAllPropertiesForMetadataObjectStruct</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.30.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.30.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.30.2.1 GetAllPropertiesForMetadataObjectStruct</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.30.2.2 GetAllPropertiesForMetadataObjectStructResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.4.31</a> <a href="#">GetAssociationById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.31</a> <a href="#">GetAssociationById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.31</a> <a href="#">GetAssociationById</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.31</a> <a href="#">GetAssociationById</a>	Added error complex type to the table.	N	Content updated.
<a href="#">3.1.4.31.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.31.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.31.2.1</a> <a href="#">GetAssociationById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.31.2.1</a> <a href="#">GetAssociationById</a>	Updated the description of the performErrorCheck element.	N	Content updated.
<a href="#">3.1.4.31.2.2</a> <a href="#">GetAssociationByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.32</a> <a href="#">GetAssociationGroupById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.32</a>	Updated the condition for the	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetAssociationGroupById</a>	MetadataObjectNotFoundException error complex type.		ent updated.
<a href="#">3.1.4.32.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.32.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.32.2.1 GetAssociationGroupById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.32.2.2 GetAssociationGroupByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.33 GetAssociationGroupsForEntity</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.33 GetAssociationGroupsForEntity</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.33.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.33.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.33.2.1 GetAssociationGroupsForEntity</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.33.2.2 GetAssociationGroupsForEntityResponse</a>	Updated the data for the WSDL operation.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.33.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.34 GetAssociationMembersInRole</a>	Updated the description of the MetadataObjectNotFoundExceptionState condition.	N	Content updated.
<a href="#">3.1.4.34 GetAssociationMembersInRole</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.34 GetAssociationMembersInRole</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.34.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.34.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.34.2.1 GetAssociationMembersInRole</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.34.2.2 GetAssociationMembersInRoleResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.34.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.34.3.1 ArrayOfAssociationMemberStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.34.3.2 AssociationMemberStruct</a>	Updated the operation for the complex type.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.35</a> <a href="#">GetAssociationReferencesForAssociationGroup</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.35</a> <a href="#">GetAssociationReferencesForAssociationGroup</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.35</a> <a href="#">GetAssociationReferencesForAssociationGroup</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.35</a> <a href="#">GetAssociationReferencesForAssociationGroup</a>	Added error complex type to the table.	N	Content updated.
<a href="#">3.1.4.35.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.35.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.35.2.1</a> <a href="#">GetAssociationReferencesForAssociationGroup</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.35.2.2</a> <a href="#">GetAssociationReferencesForAssociationGroupResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.35.3</a> <a href="#">Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.35.3.1</a> <a href="#">ArrayOfAssociationReferenceStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.36</a>	Updated the operation details	N	Cont



Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetAssociationsForDataClass</a>	in the wsdl.		ent upda ted.
<a href="#">3.1.4.36 GetAssociationsForDataClass</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.36 GetAssociationsForDataClass</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.36 GetAssociationsForDataClass</a>	Added error complex type to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.36.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.36.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.36.2.1 GetAssociationsForDataClass</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.36.2.2 GetAssociationsForDataClassResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.37 GetAssociationsForEntityAndRole</a>	Modified the exception from MetadataObjectNotFoundExce ptionState to InvalidOperationException for the condition that entity does not exists.	N	Cont ent upda ted.
<a href="#">3.1.4.37 GetAssociationsForEntityAndRole</a>	Changed MetadataObjectNotFoundExce ptionState error complex type to InvalidOperationException.	N	Cont ent upda ted.
<a href="#">3.1.4.37 GetAssociationsForEntityAndRole</a>	Updated the operation details in the wsdl.	N	Cont ent

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">3.1.4.37</a> <a href="#">GetAssociationsForEntityAndRole</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.37.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.37.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.37.2.1</a> <a href="#">GetAssociationsForEntityAndRole</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.37.2.2</a> <a href="#">GetAssociationsForEntityAndRoleResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.38</a> <a href="#">GetAssociationsForMethod</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.38</a> <a href="#">GetAssociationsForMethod</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.38</a> <a href="#">GetAssociationsForMethod</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.38</a> <a href="#">GetAssociationsForMethod</a>	Added error complex type to the table.	N	Content updated.
<a href="#">3.1.4.38.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">3.1.4.38.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.38.2.1 GetAssociationsForMethod</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.38.2.2 GetAssociationsForMethodResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.39 GetCacheInvalidationRecordsSince</a>	Added the reference for the cache version stamp.	N	New content added.
<a href="#">3.1.4.39 GetCacheInvalidationRecordsSince</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.39 GetCacheInvalidationRecordsSince</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.39.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.39.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.39.2.1 GetCacheInvalidationRecordsSince</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.39.2.2 GetCacheInvalidationRecordsSinceResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.39.3.1 ArrayOfCacheInvalidationRecordStruct</a>	Updated the operation for the complex type.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">3.1.4.39.3.2</a> <a href="#">CacheInvalidationRecordStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.40</a> <a href="#">GetChildTypeDescriptorsForTypeDescriptor</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.40</a> <a href="#">GetChildTypeDescriptorsForTypeDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.40</a> <a href="#">GetChildTypeDescriptorsForTypeDescriptor</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.40</a> <a href="#">GetChildTypeDescriptorsForTypeDescriptor</a>	Added error complex type to the table.	N	Content updated.
<a href="#">3.1.4.40.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.40.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.40.2.1</a> <a href="#">GetChildTypeDescriptorsForTypeDescriptor</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.40.2.2</a> <a href="#">GetChildTypeDescriptorsForTypeDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.41</a> <a href="#">GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</a>	Added a product behavior note to the description of ArgumentOutOfRangeExcepti on error complex type.	N	New product behavior

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			note added.
<a href="#">3.1.4.41 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.41 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.41.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.41.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.41.2.1 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.41.2.2 GetChildTypeDescriptorsWithIdentifiersForTypeDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.42 GetDataClassById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.42 GetDataClassById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.42 GetDataClassById</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.42 GetDataClassById</a>	Added error complex type to the table.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Chan ge type
<a href="#">3.1.4.42.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.42.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.42.2.1 GetDataClassById</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.42.2.1 GetDataClassById</a>	Updated the description of the performErrorCheck element.	N	Cont ent upda ted.
<a href="#">3.1.4.42.2.2 GetDataClassByIdResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.43 GetDataClassesForSystem</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.43 GetDataClassesForSystem</a>	Updated the condition for the MetadataObjectNotFoundExce ptionState error complex type.	N	Cont ent upda ted.
<a href="#">3.1.4.43.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.43.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.43.2.1 GetDataClassesForSystem</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.43.2.2 GetDataClassesForSystemResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.43.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.43.3.1 ArrayOfDataClassStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.44 GetDefaultValuesForTypeDescriptor</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.44 GetDefaultValuesForTypeDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.44.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.44.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.44.2.1 GetDefaultValuesForTypeDescriptor</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.44.2.2 GetDefaultValuesForTypeDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.44.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.44.3.1 ArrayOfDefaultValueStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.45</a>	Updated the operation details	N	Cont

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">GetEntitiesForAssociationAndRole</a>	in the wsdl.		ent updated.
<a href="#">3.1.4.45</a> <a href="#">GetEntitiesForAssociationAndRole</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.45</a> <a href="#">GetEntitiesForAssociationAndRole</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.45</a> <a href="#">GetEntitiesForAssociationAndRole</a>	Added error complex types to the table.	N	Content updated.
<a href="#">3.1.4.45.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.45.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.45.2.1</a> <a href="#">GetEntitiesForAssociationAndRole</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.45.2.1</a> <a href="#">GetEntitiesForAssociationAndRole</a>	Updated the description of the activeOnly element.	N	Content updated.
<a href="#">3.1.4.45.2.2</a> <a href="#">GetEntitiesForAssociationAndRoleResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.46</a> <a href="#">GetEntitiesForSystem</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.46</a> <a href="#">GetEntitiesForSystem</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.



<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.46 GetEntitiesForSystem</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.46 GetEntitiesForSystem</a>	Added error complex type to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.46.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.46.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.46.2.1 GetEntitiesForSystem</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.46.2.2 GetEntitiesForSystemResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.47 GetEntitiesLikeNameAndNamespace</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.47 GetEntitiesLikeNameAndNamespace</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.47.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.47.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.47.2.1 GetEntitiesLikeNameAndNamespace</a>	Modified the description of callerCultureLcid in the GetEntitiesLikeNameAndNam	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	espace operation.		ted.
<a href="#">3.1.4.47.2.1</a> <a href="#">GetEntitiesLikeNameAndNamespace</a>	Updated description of callerCultureLcid.	N	Content updated.
<a href="#">3.1.4.47.2.1</a> <a href="#">GetEntitiesLikeNameAndNamespace</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.47.2.1</a> <a href="#">GetEntitiesLikeNameAndNamespace</a>	Updated the description of the callerCultureLcid element.	N	Content updated.
<a href="#">3.1.4.47.2.1</a> <a href="#">GetEntitiesLikeNameAndNamespace</a>	Updated the description of the activeOnly element.	N	Content updated.
<a href="#">3.1.4.47.2.2</a> <a href="#">GetEntitiesLikeNameAndNamespaceResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.48</a> <a href="#">GetEntitiesReferencedByModelId</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.48</a> <a href="#">GetEntitiesReferencedByModelId</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.48</a> <a href="#">GetEntitiesReferencedByModelId</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.48</a> <a href="#">GetEntitiesReferencedByModelId</a>	Added error complex type to the table.	N	Content updated.
<a href="#">3.1.4.48.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.48.2</a>	Added a table that	N	Cont

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">Elements</a>	summarizes the XML schema element definitions.		ent updated.
<a href="#">3.1.4.48.2.1 GetEntitiesReferencedByModelId</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.48.2.2 GetEntitiesReferencedByModelIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.48.4 Simple Types</a>	Added a table that summarizes the XML schema simple type definitions.	N	Content updated.
<a href="#">3.1.4.48.4.1 EntityConstants.EntitiesInModelQuery</a>	Updated the operation for the simple type.	N	Content updated.
<a href="#">3.1.4.49 GetEntityById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.49 GetEntityById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.49.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.49.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.49.2.1 GetEntityById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.49.2.2 GetEntityByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.50 GetEntityCount</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.50 GetEntityCount</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.50 GetEntityCount</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.50 GetEntityCount</a>	Added error complex types to the table.	N	Content updated.
<a href="#">3.1.4.50.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.50.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.50.2.1 GetEntityCount</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.50.2.2 GetEntityCountResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole</a>	Added a product behavior note for the condition description of ArgumentOutOfRangeException.	N	New product behavior note added.
<a href="#">3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole</a>	Added a product behavior note for the condition description of MetadataObjectNotFoundExce	N	New product behavior

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	ptionState.		vi or note added.
<a href="#">3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.51 GetEntityNameAndNamespacesForAssociationAndRole</a>	Added error complex types to the table.	N	Content updated.
<a href="#">3.1.4.51.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.51.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.51.2.1 GetEntityNameAndNamespacesForAssociationAndRole</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.51.2.2 GetEntityNameAndNamespacesForAssociationAndRoleResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.52 GetEntityWithNameAndNamespace</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.52 GetEntityWithNameAndNamespace</a>	Updated the section description by clarifying that the response message occurs	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
	unless any faults occur.		ted.
<a href="#">3.1.4.52.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.52.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.52.2.1 GetEntityWithNameAndNamespace</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.52.2.2 GetEntityWithNameAndNamespaceResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.53 GetEntityWithNameAndNamespaceAndVersion</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.53 GetEntityWithNameAndNamespaceAndVersion</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.53.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.53.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.53.2.1 GetEntityWithNameAndNamespaceAndVersion</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.53.2.2 GetEntityWithNameAndNamespaceAndVersionResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.54</a>	Removed ViewAccessor from	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetTypeDescriptorsByMethodInstance</a>	the type list in one condition for InvalidOperationException error.		ent removed.
<a href="#">3.1.4.54 GetTypeDescriptorsByMethodInstance</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.54 GetTypeDescriptorsByMethodInstance</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.54.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.54.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.54.2.1 GetTypeDescriptorsByMethodInstance</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.54.2.2 GetTypeDescriptorsByMethodInstanceResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.55 GetFilterDescriptorById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.55 GetFilterDescriptorById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.55 GetFilterDescriptorById</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.55 GetFilterDescriptorById</a>	Added error complex type to the table.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.55.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.55.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.55.2.1 GetFilterDescriptorById</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.55.2.2 GetFilterDescriptorByIdResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.56 GetFilterDescriptorsForMethod</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.56 GetFilterDescriptorsForMethod</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.56 GetFilterDescriptorsForMethod</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.56 GetFilterDescriptorsForMethod</a>	Added error complex types to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.56.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.56.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.56.2.1 GetFilterDescriptorsForMethod</a>	Updated the data for the WSDL operation.	N	Cont ent upda



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.4.56.2.2 GetFilterDescriptorsForMethodResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.56.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.56.3.1 ArrayOfFilterDescriptorStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.57 GetIdentifierById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.57 GetIdentifierById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.57.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.57.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.57.2.1 GetIdentifierById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.57.2.2 GetIdentifierByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.58 GetIdentifiersForEntity</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.58</a>	Updated the section	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetIdentifiersForEntity</a>	description by clarifying that the response message occurs unless any faults occur.		ent upda ted.
<a href="#">3.1.4.58 GetIdentifiersForEntity</a>	Updated the product behavior note for the MetadataObjectNotFoundExce ptionState error complex type.	N	Prod uct beha vior note upda ted.
<a href="#">3.1.4.58.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.58.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.58.2.1 GetIdentifiersForEntity</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.58.2.2 GetIdentifiersForEntityResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.58.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.58.3.1 ArrayOfIdentifierStruct</a>	Updated the operation for the complex type.	N	Cont ent upda ted.
<a href="#">3.1.4.59 GetImportProgress</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.59 GetImportProgress</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.59.1</a>	Added a table that	N	Cont

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">Messages</a>	summarizes the set of WSDL message definitions.		ent upda ted.
<a href="#">3.1.4.59.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.59.2.1 GetImportProgress</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.59.2.2 GetImportProgressResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.60 GetLevelForTypeDescriptor</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.60 GetLevelForTypeDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.60 GetLevelForTypeDescriptor</a>	Added a product behavior note for the MetadataObjectNotFoundExce ptionState error complex type.	N	New prod uct beha vior note adde d.
<a href="#">3.1.4.60.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.60.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.60.2.1 GetLevelForTypeDescriptor</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.60.2.2 GetLevelForTypeDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.61 GetLobSystemAllAssembliesBytes</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.61 GetLobSystemAllAssembliesBytes</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.61 GetLobSystemAllAssembliesBytes</a>	Updated the introductory sentence to the error complex type table, describing the response in case more than one error condition is encountered.	N	Cont ent upda ted.
<a href="#">3.1.4.61.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.61.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.61.2.1 GetLobSystemAllAssembliesBytes</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.61.2.2 GetLobSystemAllAssembliesBytesResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.61.2.2 GetLobSystemAllAssembliesBytesResponse</a>	Updated the description of GetLobSystemAllAssembliesBytesResult.	N	Cont ent upda ted.
<a href="#">3.1.4.61.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.61.3.1</a>	Updated the operation for the	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">ArrayOfbase64Binary</a>	complex type.		ent updated.
<a href="#">3.1.4.62 GetLobSystemById</a>	Added condition for AccessDeniedExceptionState of GetLobSystemById operation.	N	New content added.
<a href="#">3.1.4.62 GetLobSystemById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.62 GetLobSystemById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.62 GetLobSystemById</a>	Added an error complex type to the table.	N	Content updated.
<a href="#">3.1.4.62.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.62.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.62.2.1 GetLobSystemById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.62.2.2 GetLobSystemByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.63 GetLobSystemByName</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.63 GetLobSystemByName</a>	Updated the section description by clarifying that the response message occurs	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	unless any faults occur.		ted.
<a href="#">3.1.4.63.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.63.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.63.2.1 GetLobSystemByName</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.63.2.2 GetLobSystemByNameResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.64 GetLobSystemDataByLobSystem</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.64 GetLobSystemDataByLobSystem</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.64 GetLobSystemDataByLobSystem</a>	Added a product behavior note for the MetadataObjectNotFoundExceptionState error complex type.	N	New product behavior note added.
<a href="#">3.1.4.64.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.64.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.64.2.1 GetLobSystemDataByLobSystem</a>	Updated the data for the WSDL operation.	N	Content

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			updated.
<a href="#">3.1.4.64.2.2</a> <a href="#">GetLobSystemDataByLobSystemResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.65</a> <a href="#">GetLobSystemInstanceById</a>	Added condition for AccessDeniedExceptionState error complex type.	N	New content added.
<a href="#">3.1.4.65</a> <a href="#">GetLobSystemInstanceById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.65</a> <a href="#">GetLobSystemInstanceById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.65</a> <a href="#">GetLobSystemInstanceById</a>	Added an error complex type to the table.	N	Content updated.
<a href="#">3.1.4.65.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.65.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.65.2.1</a> <a href="#">GetLobSystemInstanceById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.65.2.2</a> <a href="#">GetLobSystemInstanceByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.66</a> <a href="#">GetLobSystemInstancesForLobSystem</a>	Updated the operation details in the wsdl.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.66 GetLobSystemInstancesForLobSystem</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.66 GetLobSystemInstancesForLobSystem</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.66 GetLobSystemInstancesForLobSystem</a>	Added error complex types to the table.	N	Content updated.
<a href="#">3.1.4.66.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.66.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.66.2.1 GetLobSystemInstancesForLobSystem</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.66.2.2 GetLobSystemInstancesForLobSystemResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.66.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.66.3.1 ArrayOfLobSystemInstanceStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.67 GetLobSystemProxyAssemblyBytesByLobSystemId</a>	Removed the MetadataObjectNotFoundExceptionState error complex type.	N	Content removed.
<a href="#">3.1.4.67 GetLobSystemProxyAssemblyBytesByLobSystemId</a>	Updated the operation details in the wsdl.	N	Content updated.



Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.67 GetLobSystemProxyAssemblyBytesByLobSystemId</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.67.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.67.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.67.2.1 GetLobSystemProxyAssemblyBytesByLobSystemId</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.67.2.2 GetLobSystemProxyAssemblyBytesByLobSystemIdResponse</a>	Removed the MetadataObjectNotFoundExce ptionstate from GetLobSystemProxyAssembly BytesByLobSystemId operation.	N	Content removed.
<a href="#">3.1.4.67.2.2 GetLobSystemProxyAssemblyBytesByLobSystemIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.67.2.2 GetLobSystemProxyAssemblyBytesByLobSystemIdResponse</a>	Updated the description of GetLobSystemProxyAssembly ByLobSystemIdResult.	N	Content updated.
<a href="#">3.1.4.68 GetLobSystemsLikeName</a>	Updated the description for the GetLobSystemsLikeName operation.	N	Content updated.
<a href="#">3.1.4.68 GetLobSystemsLikeName</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.68 GetLobSystemsLikeName</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Chan ge type
<a href="#">3.1.4.68.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.68.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.68.2.1 GetLobSystemsLikeName</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.68.2.2 GetLobSystemsLikeNameResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.69 GetLobSystemsReferencedByEntitiesAssociatedWithModel</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.69 GetLobSystemsReferencedByEntitiesAssociatedWithModel</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.69 GetLobSystemsReferencedByEntitiesAssociatedWithModel</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.69 GetLobSystemsReferencedByEntitiesAssociatedWithModel</a>	Added error complex types to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.69.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.69.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.69.2.1 GetLobSystemsReferencedByEntitiesAssociatedWithModel</a>	Updated the data for the WSDL operation.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.69.2.2 GetLobSystemsReferencedByEntitiesAssociatedWithModelResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.69.4 Simple Types</a>	Added a table that summarizes the XML schema simple type definitions.	N	Content updated.
<a href="#">3.1.4.69.4.1 LobSystemConstants.LobSystemsInModelQuery</a>	Updated the operation for the simple type.	N	Content updated.
<a href="#">3.1.4.70 GetMethodById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.70 GetMethodById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.70 GetMethodById</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.70 GetMethodById</a>	Added error complex types to the table.	N	Content updated.
<a href="#">3.1.4.70.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.70.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.70.2.1 GetMethodById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.70.2.1</a>	Updated the description of	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetMethodById</a>	performErrorCheck.		ent upda ted.
<a href="#">3.1.4.70.2.2 GetMethodByIdResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.71 GetMethodInstanceById</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.71 GetMethodInstanceById</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.71 GetMethodInstanceById</a>	Added an error complex type to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.71.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.71.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.71.2.1 GetMethodInstanceById</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.71.2.2 GetMethodInstanceByIdResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.72 GetMethodInstancesForDataClass</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.72 GetMethodInstancesForDataClass</a>	Updated the condition for the MetadataObjectNotFoundExce ptionState error complex type.	N	Cont ent upda ted.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.72.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.72.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.72.2.1 GetMethodInstancesForDataClass</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.72.2.2 GetMethodInstancesForDataClassResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.73 GetMethodInstancesForMethod</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.73 GetMethodInstancesForMethod</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.73 GetMethodInstancesForMethod</a>	Updated the condition for the MetadataObjectNotFoundExce ptionState error complex type.	N	Cont ent upda ted.
<a href="#">3.1.4.73 GetMethodInstancesForMethod</a>	Clarified the section description by updating the names of the request and response messages.	N	Cont ent upda ted.
<a href="#">3.1.4.73.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.73.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.73.2.1 GetMethodInstancesForMethod</a>	Added the section and updated the data for the WSDL operation.	N	New conte nt

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			added.
<a href="#">3.1.4.73.2.2 GetMethodInstancesForMethodResponse</a>	Renamed the section from GetMethodInstanceByIdResponse and updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.74 GetMethodsForDataClass</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.74 GetMethodsForDataClass</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.74 GetMethodsForDataClass</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.74 GetMethodsForDataClass</a>	Added an error complex type to the table.	N	Content updated.
<a href="#">3.1.4.74 GetMethodsForDataClass</a>	Clarified the section description by updating the names of the request and response messages.	N	Content updated.
<a href="#">3.1.4.74.1 Messages</a>	Added the section and the table that summarizes the set of WSDL message definitions.	N	New content added.
<a href="#">3.1.4.74.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.74.2.1 GetMethodsForDataClass</a>	Added the section and updated the data for the WSDL operation.	N	New content added.
<a href="#">3.1.4.74.2.2 GetMethodsForDataClassResponse</a>	Updated the data for the WSDL operation.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.74.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Content updated.
<a href="#">3.1.4.74.3.1 ArrayOfMethodStruct</a>	Added the section.	N	New content added.
<a href="#">3.1.4.75 GetModelById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.75 GetModelById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.75 GetModelById</a>	Clarified the section description by updating the names of the request and response messages.	N	Content updated.
<a href="#">3.1.4.75 GetModelById</a>	Updated the condition of the MetadataObjectNotFoundExce ptionState error complex type.	N	Content updated.
<a href="#">3.1.4.75.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.75.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.75.2.1 GetModelById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.75.2.2 GetModelByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.76 GetModelByName</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.76 GetModelByName</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.76.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.76.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.76.2.1 GetModelByName</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.76.2.2 GetModelByNameResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.77 GetModelsByEntityId</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.77 GetModelsByEntityId</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.77 GetModelsByEntityId</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.77 GetModelsByEntityId</a>	Added an error complex type to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.77.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda



Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.77.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.77.2.1 GetModelsByEntityId</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.77.2.2 GetModelsByEntityIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.78 GetModelsByName</a>	Updated the description of how the model is matched to the wildcard pattern.	N	Content updated.
<a href="#">3.1.4.78 GetModelsByName</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.78 GetModelsByName</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.78.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.78.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.78.2.1 GetModelsByName</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.78.2.2 GetModelsByNameResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.79</a>	Updated the operation details	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetParameterById</a>	in the wsdl.		ent upda ted.
<a href="#">3.1.4.79</a> <a href="#">GetParameterById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.79.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.79.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.79.2.1</a> <a href="#">GetParameterById</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.79.2.2</a> <a href="#">GetParameterByIdResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.80</a> <a href="#">GetParametersForMethod</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.80</a> <a href="#">GetParametersForMethod</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.80</a> <a href="#">GetParametersForMethod</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Cont ent upda ted.
<a href="#">3.1.4.80</a> <a href="#">GetParametersForMethod</a>	Added error complex types to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.80.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.80.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.80.2.1 GetParametersForMethod</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.80.2.2 GetParametersForMethodResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.80.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.80.3.1 ArrayOfParameterStruct</a>	Updated the operation for the complex type.	N	Cont ent upda ted.
<a href="#">3.1.4.81 GetRootTypeDescriptorForParameter</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.81 GetRootTypeDescriptorForParameter</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.81.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.81.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.81.2.1 GetRootTypeDescriptorForParameter</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.81.2.2 GetRootTypeDescriptorForParameterResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.4.82</a> <a href="#">GetServiceApplicationId</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.82</a> <a href="#">GetServiceApplicationId</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.82.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.82.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.82.2.1</a> <a href="#">GetServiceApplicationId</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.82.2.2</a> <a href="#">GetServiceApplicationIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.83</a> <a href="#">GetSystemUtilityTypeNameForLobSystem</a>	Removed ArgumentException error complex type.	N	Content removed.
<a href="#">3.1.4.83</a> <a href="#">GetSystemUtilityTypeNameForLobSystem</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.83</a> <a href="#">GetSystemUtilityTypeNameForLobSystem</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.83</a> <a href="#">GetSystemUtilityTypeNameForLobSystem</a>	Moved the error complex type and condition table and introductory paragraph to this section.	N	Content updated.
<a href="#">3.1.4.83.1</a>	Added a table that	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">Messages</a>	summarizes the set of WSDL message definitions.		ent upda ted.
<a href="#">3.1.4.83.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.83.2.1 GetSystemUtilityTypeNameForLobSystem</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.83.2.2 GetSystemUtilityTypeNameForLobSystemResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.84 GetThrottlingRules</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.84 GetThrottlingRules</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.84.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.84.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.84.2.1 GetThrottlingRules</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.84.2.2 GetThrottlingRulesResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.84.3 Complex Types</a>	Added a table that summarizes the XML schema complex type definitions.	N	Cont ent upda ted.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.84.3.1 ArrayOfSafetyNetStruct</a>	Updated the operation for the complex type.	N	Content updated.
<a href="#">3.1.4.85 GetTypeDescriptorById</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.85 GetTypeDescriptorById</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.85.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.85.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.85.2.1 GetTypeDescriptorById</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.85.2.2 GetTypeDescriptorByIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.86 GetTypeDescriptorsByNameAndLevelForParameter</a>	Added new product behavior for GetTypeDescriptorsByNameAndLevelForParameter operation.	N	New product behavior note added.
<a href="#">3.1.4.86 GetTypeDescriptorsByNameAndLevelForParameter</a>	Added condition for BdcExceptionState error.	N	New content added.
<a href="#">3.1.4.86 GetTypeDescriptorsByNameAndLevelForParameter</a>	Updated the operation details in the wsdl.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.86</a> <a href="#">GetTypeDescriptorsByNameAndLevelForParameter</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.86</a> <a href="#">GetTypeDescriptorsByNameAndLevelForParameter</a>	Added an error complex type to the table.	N	Content updated.
<a href="#">3.1.4.86.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.86.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.86.2.1</a> <a href="#">GetTypeDescriptorsByNameAndLevelForParameter</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.86.2.2</a> <a href="#">GetTypeDescriptorsByNameAndLevelForParameterResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.87</a> <a href="#">GetTypeDescriptorsForFilterDescriptor</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.87</a> <a href="#">GetTypeDescriptorsForFilterDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.87.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.87.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.87.2.1</a>	Updated the data for the	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">GetTypeDescriptorsForFilterDescriptor</a>	WSDL operation.		ent upda ted.
<a href="#">3.1.4.87.2.2</a> <a href="#">GetTypeDescriptorsForFilterDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.88</a> <a href="#">GetTypeReflectorTypeNameForParameter</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.88</a> <a href="#">GetTypeReflectorTypeNameForParameter</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.88.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.88.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.88.2.1</a> <a href="#">GetTypeReflectorTypeNameForParameter</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.89</a> <a href="#">GetXmlSchemaForView</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.89.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.89.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.89.2.1</a> <a href="#">GetXmlSchemaForView</a>	Updated the description of methodInstanceStruct element.	N	Cont ent upda ted.



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.89.2.1 GetXmlSchemaForView</a>	Updated the description of methodInstanceStruct element.	N	Content updated.
<a href="#">3.1.4.89.2.1 GetXmlSchemaForView</a>	Updated the description of the methodInstanceStruct element.	N	Content updated.
<a href="#">3.1.4.89.2.1 GetXmlSchemaForView</a>	Updated description for methodInstanceStruct element.	N	Content updated.
<a href="#">3.1.4.89.2.1 GetXmlSchemaForView</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.89.2.2 GetXmlSchemaForViewResponse</a>	Updated the description of the GetXmlSchemaForViewResult element.	N	Content updated.
<a href="#">3.1.4.89.2.2 GetXmlSchemaForViewResponse</a>	Updated description for GetXmlSchemaForViewResult element.	N	Content updated.
<a href="#">3.1.4.89.2.2 GetXmlSchemaForViewResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.89.2.2 GetXmlSchemaForViewResponse</a>	Added a description for GetXmlSchemaForViewResult.	N	Content updated.
<a href="#">3.1.4.90 HaveRights</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.90 HaveRights</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.90.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.4.90.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.90.2.1 HaveRights</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.90.2.2 HaveRightsResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.90.4 Simple Types</a>	Added a table that summarizes the XML schema simple type definitions.	N	Content updated.
<a href="#">3.1.4.90.4.1 BdcRights</a>	Updated the operation for the simple type.	N	Content updated.
<a href="#">3.1.4.91 ImportPackage</a>	Moved condition from AccessDeniedExceptionState to PackageFormatExceptionState and removed listing for the AccessDeniedExceptionState error.	N	Content updated.
<a href="#">3.1.4.91 ImportPackage</a>	Added a condition for the PackageFormatException error.	N	Content updated.
<a href="#">3.1.4.91 ImportPackage</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.91 ImportPackage</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.91.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			ted.
<a href="#">3.1.4.91.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.91.2.1 ImportPackage</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.91.2.2 ImportPackageResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.92 ImportPackageWithProgress</a>	Moved condition from AccessDeniedExceptionState to PackageFormatExceptionState and removed listing for the AccessDeniedExceptionState error.	N	Content updated.
<a href="#">3.1.4.92 ImportPackageWithProgress</a>	Added a condition for the PackageFormatExceptionState error.	N	Content updated.
<a href="#">3.1.4.92 ImportPackageWithProgress</a>	Added a condition for the PackageFormatExceptionState error.	N	New content added.
<a href="#">3.1.4.92 ImportPackageWithProgress</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.92 ImportPackageWithProgress</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.92.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.92.2 Elements</a>	Added a table that summarizes the XML schema	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	element definitions.		updated.
<a href="#">3.1.4.92.2.1 ImportPackageWithProgress</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.92.2.2 ImportPackageWithProgressResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.93 IsMethodInstantiated</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.93 IsMethodInstantiated</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.93.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.93.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.93.2.1 IsMethodInstantiated</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.93.2.2 IsMethodInstantiatedResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.94 IsParameterReferencedByMethodInstance</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.94 IsParameterReferencedByMethodInstance</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">3.1.4.94.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.94.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.94.2.1 IsParameterReferencedByMethodInstance</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.94.2.2 IsParameterReferencedByMethodInstanceResponse</a>	Added product behavior note for IsParameterReferencedByMethodInstanceResult element.	N	New product behavior note added.
<a href="#">3.1.4.94.2.2 IsParameterReferencedByMethodInstanceResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added a new condition for ArgumentException.	N	New content added.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Removed the InvalidOperationException from the MetadataObjectCreate section.	N	Content removed.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added a product behavior note for the Action MetadataObject.	N	New content added.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added condition for BdcExceptionState error.	N	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Updated error conditions for the InvalidOperationException error.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Updated description of ArgumentException error conditions.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added condition for ArgumentException error.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added condition for MetadataObjectNotFoundException error.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added ArgumentNullException error type and conditions for the MetadataObjectCreate operation.	N	New content added.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added ArgumentException error condition for the MetadataObjectCreate operation.	N	New content added.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added condition for BdcExceptionState error.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Added error type and condition for MetadataObjectCreate operation.	N	New content added.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.95 MetadataObjectCreate</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.95.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.95.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.95.2.1 MetadataObjectCreate</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.95.2.2 MetadataObjectCreateResponse</a>	Added a product behavior note for MetadataObjectCreateResponse.	N	New product behavior note added.
<a href="#">3.1.4.95.2.2 MetadataObjectCreateResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.96 MetadataObjectMergeXml</a>	Removed the MetadataObjectNotFoundExceptionState exception.	N	Content removed.
<a href="#">3.1.4.96 MetadataObjectMergeXml</a>	Updated the description of MetadataObjectMergeXml.	N	Content updated.
<a href="#">3.1.4.96 MetadataObjectMergeXml</a>	Removed the ArgumentException error listing from MetadataObjectMergeXml, and moved associated condition to PackageFormatExceptionState error listing.	N	Content removed.
<a href="#">3.1.4.96 MetadataObjectMergeXml</a>	Removed one condition for PackageFormatExceptionState error.	N	Content removed.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Chan ge type
<a href="#">3.1.4.96 MetadataObjectMergeXml</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.96 MetadataObjectMergeXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.96.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.96.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.96.2.1 MetadataObjectMergeXml</a>	Updated the description of MetadataObjectMergeXml .	N	Cont ent upda ted.
<a href="#">3.1.4.96.2.1 MetadataObjectMergeXml</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.96.2.2 MetadataObjectMergeXmlResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Updated the description of MetadataObjectReadXml.	N	Cont ent upda ted.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Updated description of localized name details for MetadataObjectReadXml.	N	Cont ent upda ted.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Upated the description of MetadataObjectReadXml.	N	Cont ent upda ted.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Moved conditions from ArgumentException error to PackageFormatExceptionState	N	Cont ent upda



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	error, and removed listing for ArgumentException error.		ted.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Added a product behavior note for MetadataObjectReadXml.	N	New product behavior note added.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Added MetadataException error listing and associated conditions.	N	Content updated.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Updated the description of ExceededMetadataObjectLimit ExceptionState by adding sentences about the number limit.	N	Content updated.
<a href="#">3.1.4.97 MetadataObjectReadXml</a>	Added conditions to the InvalidOperationException error.	N	Content updated.
<a href="#">3.1.4.97.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.97.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.97.2.1 MetadataObjectReadXml</a>	Updated the data for the WSDL operation.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.97.2.2 MetadataObjectReadXmlResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.98 MetadataObjectWriteXml</a>	Removed ArgumentOutOfRangeException on error listing and associated condition.	N	Cont ent remo ved.
<a href="#">3.1.4.98 MetadataObjectWriteXml</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.98 MetadataObjectWriteXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.98.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.98.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.98.2.1 MetadataObjectWriteXml</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.98.2.2 MetadataObjectWriteXmlResponse</a>	Removed typeDescriptorStruct complex type from the root element table.	N	Cont ent remo ved.
<a href="#">3.1.4.98.2.2 MetadataObjectWriteXmlResponse</a>	Removed the TypeDescriptorStruct complex type and root element from the table.	N	Cont ent upda ted.
<a href="#">3.1.4.99 ModelReadXml</a>	Updated BdcExceptionState error conditions for ModelReadXml.	N	Cont ent upda ted.
<a href="#">3.1.4.99 ModelReadXml</a>	Moved conditions from ArgumentException to PackageFormatExceptionState	N	Cont ent upda

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	.		ted.
<a href="#">3.1.4.99 ModelReadXml</a>	Moved condition from ArgumentOutOfRangeException to PackageFormatExceptionState and removed ArguementOutOfRangeException.	N	Content updated.
<a href="#">3.1.4.99 ModelReadXml</a>	Moved condition from ArgumentException to PackageFormatExceptionState and removed ArgumentOutOfRangeException.	N	Content updated.
<a href="#">3.1.4.99 ModelReadXml</a>	Removed ArgurmentException error listing and conditions, and moved those conditions to PackageFormatExceptionState.	N	Content updated.
<a href="#">3.1.4.99 ModelReadXml</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.99 ModelReadXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.99 ModelReadXml</a>	Updated the list of errors and conditions by adding errors and conditions and moving existing information in the error/condition lists.	N	Content updated.
<a href="#">3.1.4.99 ModelReadXml</a>	Added a product behavior note in the list of conditions for the BdcExceptionState error.	N	New product behavior note added.
<a href="#">3.1.4.99.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Chan ge type</b>
<a href="#">3.1.4.99.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.99.2.1 ModelReadXml</a>	Updated description of updateModel element for ModelReadXml operation.	N	New conte nt adde d.
<a href="#">3.1.4.99.2.1 ModelReadXml</a>	Added product behavior note about ModelReadXml operation.	N	New prod uct beha vior note adde d.
<a href="#">3.1.4.99.2.1 ModelReadXml</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.99.2.2 ModelReadXmlResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.100 ReadSlicedXml</a>	Updated ArgumentException error complex type to PackageFormatExceptionState .	N	Cont ent upda ted.
<a href="#">3.1.4.100 ReadSlicedXml</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.100 ReadSlicedXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.100.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.100.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.100.2.1 ReadSlicedXml</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.100.2.2 ReadSlicedXmlResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.101 RemoveEntityFromModel</a>	Updated condition description for AccessDeniedExceptionState error complex type.	N	Content updated.
<a href="#">3.1.4.101 RemoveEntityFromModel</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.101 RemoveEntityFromModel</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.101.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.101.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.101.2.1 RemoveEntityFromModel</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.101.2.2 RemoveEntityFromModelResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.102 RemoveLocalizedName</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.102</a>	Updated the section	N	Cont

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
<a href="#">RemoveLocalizedName</a>	description by clarifying that the response message occurs unless any faults occur.		ent upda ted.
<a href="#">3.1.4.102</a> <a href="#">RemoveLocalizedName</a>	Added an error complex type to the table.	N	Cont ent upda ted.
<a href="#">3.1.4.102.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.102.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.102.2.1</a> <a href="#">RemoveLocalizedName</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.102.2.2</a> <a href="#">RemoveLocalizedNameResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.103</a> <a href="#">RemoveProperty</a>	Modified the description of InvalidOperationException and added MetadataobjectNotFoundExce ptionState.	N	Cont ent upda ted.
<a href="#">3.1.4.103</a> <a href="#">RemoveProperty</a>	Updated error conditions table for RemoveProperty operation.	N	Cont ent upda ted.
<a href="#">3.1.4.103</a> <a href="#">RemoveProperty</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.103.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.103.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.103.2.1 RemoveProperty</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.103.2.2 RemovePropertyResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.104 RemoveThrottlingRule</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.104 RemoveThrottlingRule</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.104.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.104.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.104.2.1 RemoveThrottlingRule</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.104.2.2 RemoveThrottlingRuleResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.105 SaveLocalizedName</a>	Added the namespace and link for ArgumentNullException.	N	Content updated.
<a href="#">3.1.4.105 SaveLocalizedName</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.105</a>	Updated the section	N	Cont

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">SaveLocalizedName</a>	description by clarifying that the response message occurs unless any faults occur.		ent upda ted.
<a href="#">3.1.4.105 SaveLocalizedName</a>	Updated the section description by changing "LCID" to "LCID and Setting".	N	Cont ent upda ted.
<a href="#">3.1.4.105.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.105.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Cont ent upda ted.
<a href="#">3.1.4.105.2.1 SaveLocalizedName</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.105.2.2 SaveLocalizedNameResponse</a>	Updated the data for the WSDL operation.	N	Cont ent upda ted.
<a href="#">3.1.4.106 SaveProperty</a>	Clarified description of SaveProperty.	N	Cont ent upda ted.
<a href="#">3.1.4.106 SaveProperty</a>	Updated the operation details in the wsdl.	N	Cont ent upda ted.
<a href="#">3.1.4.106 SaveProperty</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Cont ent upda ted.
<a href="#">3.1.4.106 SaveProperty</a>	Updated the section description by adding a condition that the Property already exists "in the same Setting".	N	Cont ent upda ted.
<a href="#">3.1.4.106.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Cont ent upda



Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.106.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.106.2.1 SaveProperty</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.106.2.2 SavePropertyResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.107 SetAccessControlEntries</a>	Added text clarifying the way duplicate principalName element values are handled.	N	New content added.
<a href="#">3.1.4.107 SetAccessControlEntries</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.107 SetAccessControlEntries</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.107.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.107.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.107.2.1 SetAccessControlEntries</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.107.2.2 SetAccessControlEntriesResponse</a>	Updated the data for the WSDL operation.	N	Content updated.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Maj or change (Y or N)</b>	<b>Change type</b>
<a href="#">3.1.4.108 SetDefaultActionForEntity</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.108 SetDefaultActionForEntity</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.108.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.108.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.108.2.1 SetDefaultActionForEntity</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.108.2.2 SetDefaultActionForEntityResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.109 SetDefaultValuesForTypeDescriptor</a>	Added new condition for MetadataObjectNotFoundExceptionState.	N	New content added.
<a href="#">3.1.4.109 SetDefaultValuesForTypeDescriptor</a>	Updated error conditions table for SetDefaultValuesForTypeDescriptor operation.	N	Content updated.
<a href="#">3.1.4.109 SetDefaultValuesForTypeDescriptor</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.109 SetDefaultValuesForTypeDescriptor</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.109 SetDefaultValuesForTypeDescriptor</a>	Updated the condition for MetadataObjectNotFoundExce	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	ptionState.		updated.
<a href="#">3.1.4.109.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.109.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.109.2.1 SetDefaultValuesForTypeDescriptor</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.109.2.2 SetDefaultValuesForTypeDescriptorResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.110 SetLobSystemDataByLobSystemId</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.110 SetLobSystemDataByLobSystemId</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.110 SetLobSystemDataByLobSystemId</a>	Updated the section description by adding information about the response for more than one error condition.	N	Content updated.
<a href="#">3.1.4.110.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.110.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.110.2.1 SetLobSystemDataByLobSystemId</a>	Updated the data for the WSDL operation.	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.4.110.2.2 SetLobSystemDataByLobSystemIdResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.111 TypeDescriptorCreate</a>	Removed InvalidOperationException from TypeDescriptorCreate section.	N	Content removed.
<a href="#">3.1.4.111 TypeDescriptorCreate</a>	Updated error conditions for TypeDescriptorCreate.	N	Content updated.
<a href="#">3.1.4.111 TypeDescriptorCreate</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.111 TypeDescriptorCreate</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.111.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.111.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.111.2.1 TypeDescriptorCreate</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.111.2.2 TypeDescriptorCreateResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.112 TypeDescriptorMergeXml</a>	Moved a condition from MetadataObjectNotFoundExce ptionState to PackageFormatExceptionState error.	N	Content updated.
<a href="#">3.1.4.112 TypeDescriptorMergeXml</a>	Updated the operation details in the wsdl.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
			updated.
<a href="#">3.1.4.112</a> <a href="#">TypeDescriptorMergeXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.112</a> <a href="#">TypeDescriptorMergeXml</a>	Updated the description of MetadataObjectNotFoundExceptionState.	N	Content updated.
<a href="#">3.1.4.112.1</a> <a href="#">Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.112.2</a> <a href="#">Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.112.2.1</a> <a href="#">TypeDescriptorMergeXml</a>	Updated description of protocol server rules for packageContents element.	N	Content updated.
<a href="#">3.1.4.112.2.1</a> <a href="#">TypeDescriptorMergeXml</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.112.2.2</a> <a href="#">TypeDescriptorMergeXmlResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.113</a> <a href="#">TypeDescriptorReadXml</a>	Removed this condition from ArgumentException and added this condition to PackageFormatExceptionState .	N	Content updated.
<a href="#">3.1.4.113</a> <a href="#">TypeDescriptorReadXml</a>	Removed this condition from ArgumentException and added this condition to PackageFormatExceptionState .	N	Content updated.
<a href="#">3.1.4.113</a> <a href="#">TypeDescriptorReadXml</a>	Removed this condition from ArgumentException and added this condition to	N	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	PackageFormatExceptionState .		ted.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Removed the InvalidOperationException from TypeDescriptorReadXml section.	N	Content removed.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Removed this condition from ArgumentException and added it to PackageFormatExceptionState .	N	Content updated.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Removed this condition from ArgumentException and added it to PackageFormatExceptionState .	N	Content updated.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Removed this condition from ArgumentException and added it to PackageFormatExceptionState .	N	Content updated.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Updated description of error type for unspecified Model value.	N	New content added.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Modified the description for the TypeDescriptorReadXml operation.	N	Content updated.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.113 TypeDescriptorReadXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.113.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.113.2</a>	Added a table that	N	Cont

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">Elements</a>	summarizes the XML schema element definitions.		ent updated.
<a href="#">3.1.4.113.2.1 TypeDescriptorReadXml</a>	Removed one rule involving ACEs from the list of rules for the packageContents element.	N	Content removed.
<a href="#">3.1.4.113.2.1 TypeDescriptorReadXml</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.113.2.2 TypeDescriptorReadXmlResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Updated the error that this operation raises under certain conditions from InvalidMetadataObjectExceptionState to MetadataException.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Updated the description of InvalidMetadataObjectExceptionState and MetadataException error conditions.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Updated description of InvalidMetadataObjectExceptionState and MetadataException error conditions.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Updated description of ExceededMetadataObjectLimitExceptionState and MetadataException error conditions.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Added a product behavior note to the description of the MethodInstanceMetadataObject.	N	New product behavior note added.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Chan ge type
<a href="#">3.1.4.114 Update</a>	Removed one condition from InvalidMetadataObjectException and added the condition to MetadataException.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Added a product behavior note for the description of the Parameter MetadataObject.	N	New product behavior note added.
<a href="#">3.1.4.114 Update</a>	Added an endnote to specify the product behavior when this condition occur.	N	New product behavior note added.
<a href="#">3.1.4.114 Update</a>	Removed one condition from InvalidMetadataExceptionState and added the condition to MetadataException.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Added a product behavior note to a condition for InvalidMetadataObjectExceptionState.	N	New product behavior note added.
<a href="#">3.1.4.114 Update</a>	Removed one condition from InvalidMetadataObjectExceptionState and added the condition to MetadataException.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Removed one set of conditions from InvalidOperationException and added the set of conditions to InvalidMetadataObjectExceptionState.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Added details to indicate which types of	N	Content



Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
	MethodInstance can trigger MetadataException when IsCollection flag is required to be not set..		updated.
<a href="#">3.1.4.114 Update</a>	Added a list of required MethodInstance types to a condition of the MetadataException error.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.114 Update</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.114.1 Messages</a>	Added a table that summarizes the set of WSDL message definitions.	N	Content updated.
<a href="#">3.1.4.114.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.114.2.1 Update</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.114.2.2 UpdateResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Removed an error complex type from the table.	N	Content removed.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Removed ArgumentNullException from the table.	N	Content removed.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Updated error conditions for the WriteSlicedXML operation.	N	Content updated.

Section	Tracking number (if applicable) and description	Maj or change (Y or N)	Change type
			ted.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Updated condition description for AccessDeniedExceptionState error.	N	Content updated.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Modified the description of when the out message does not returned.	N	Content updated.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Updated the operation details in the wsdl.	N	Content updated.
<a href="#">3.1.4.115 WriteSlicedXml</a>	Updated the section description by clarifying that the response message occurs unless any faults occur.	N	Content updated.
<a href="#">3.1.4.115.1 Messages</a>	Added the section and the table that summarizes the set of WSDL message definitions.	N	New content added.
<a href="#">3.1.4.115.2 Elements</a>	Added a table that summarizes the XML schema element definitions.	N	Content updated.
<a href="#">3.1.4.115.2.1 WriteSlicedXml</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">3.1.4.115.2.2 WriteSlicedXmlResponse</a>	Updated the data for the WSDL operation.	N	Content updated.
<a href="#">6 Appendix A: Full WSDL</a>	Added a table listing the sections containing the full WSDLs.	N	Content updated.
<a href="#">6.1 http://tempuri.org/ WSDL</a>	Added updates throughout the full WSDL.	Y	Content updated.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="http://www.microsoft.com/Office/2009/BusinessDataCatalog/WSDL">6.2 http://www.microsoft.com/Office/2009/BusinessDataCatalog/WSDL</a>	Added updates throughout the full WSDL.	Y	Content updated.
<a href="#">7 Appendix B: Full XML Schema</a>	Added the section and list of subsections providing the full XML schema.	Y	New content added.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure.Schema">7.1 http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Infrastructure Schema</a>	Added the section and schema.	Y	New content added.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel.Schema">7.2 http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.MetadataModel Schema</a>	Added the section and schema.	Y	New content added.
<a href="http://www.microsoft.com/Office/2009/BusinessDataCatalog/Schema">7.3 http://www.microsoft.com/Office/2009/BusinessDataCatalog/Schema</a>	Added the section and schema.	Y	New content added.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime.Schema">7.4 http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.Runtime Schema</a>	Added the section and schema.	Y	New content added.
<a href="#">7.5 Microsoft.BusinessData.SharePoint Schema</a>	Added the section and schema.	Y	New content added.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific.Schema">7.6 http://schemas.datacontract.org/2004/07/Microsoft.BusinessData.SystemSpecific Schema</a>	Added the section and schema.	Y	New content added.
<a href="http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants.Schema">7.7 http://schemas.datacontract.org/2004/07/Microsoft.SharePoint.BusinessData.MetadataModel.Constants Schema</a>	Added the section and schema.	Y	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">7.8</a> <a href="#">Microsoft.SharePoint.BusinessData Schema</a>	Added the section and schema.	Y	New content added.
<a href="#">7.9</a> <a href="http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema">http://schemas.microsoft.com/2003/10/Serialization/Arrays Schema</a>	Added the section and schema.	Y	New content added.
<a href="#">7.10</a> <a href="http://schemas.microsoft.com/2003/10/Serialization/Schema">http://schemas.microsoft.com/2003/10/Serialization/Schema</a>	Added the section and schema.	Y	New content added.
<a href="#">7.11</a> <a href="http://schemas.datacontract.org/2004/07/System Schema">http://schemas.datacontract.org/2004/07/System Schema</a>	Added the section and schema.	Y	New content added.
<a href="#">8</a> <a href="#">Appendix C: Product Behavior</a>	Updated the product list.	Y	Content updated.

## 10 Index

### A

Abstract data model  
  [server](#) 93  
[AccessControlEntryStruct complex type](#) 52  
[AccessDeniedException complex type](#) 53  
[AccessDeniedExceptionState complex type](#) 53  
[ActionParameterStruct complex type](#) 54  
[ActionStruct complex type](#) 54  
[Activating an Entity example](#) 557  
[Adding localized names for MetadataObjects example](#) 563  
[AdministrationMetadataCatalogStruct complex type](#) 55  
[Applicability](#) 44  
[ArgumentException complex type](#) 55  
[ArgumentNullException complex type](#) 55  
[ArgumentOutOfRangeException complex type](#) 56  
[ArrayOfAccessControlEntryStruct complex type](#) 56  
[ArrayOfAssociationStruct complex type](#) 56  
[ArrayOfEntityStruct complex type](#) 57  
[ArrayOfLobSystemStruct complex type](#) 57  
[ArrayOfLocalizedNameStruct complex type](#) 57  
[ArrayOfMethodInstanceStruct complex type](#) 57  
[ArrayOfModelStruct complex type](#) 58  
[ArrayOfPropertyStruct complex type](#) 58  
[ArrayOfstring complex type](#) 58  
[ArrayOfTypeDescriptorStruct complex type](#) 59  
[ArrayOfunsignedInt complex type](#) 59  
[AssociationGroupStruct complex type](#) 59  
[AssociationReferenceStruct complex type](#) 60  
[AssociationStruct complex type](#) 61  
[Attribute groups](#) 92  
[Attributes](#) 92

### B

[BdcException complex type](#) 62  
[BdcExceptionState complex type](#) 63

### C

[CacheUsage simple type](#) 83  
[Capability negotiation](#) 45  
[Change tracking](#) 910  
[char simple type](#) 83  
Client  
  [overview](#) 93  
[Complex types](#) 47  
  [AccessControlEntryStruct](#) 52  
  [AccessDeniedException](#) 53  
  [AccessDeniedExceptionState](#) 53  
  [ActionParameterStruct](#) 54  
  [ActionStruct](#) 54  
  [AdministrationMetadataCatalogStruct](#) 55  
  [ArgumentException](#) 55  
  [ArgumentNullException](#) 55  
  [ArgumentOutOfRangeException](#) 56

[ArrayOfAccessControlEntryStruct](#) 56  
  [ArrayOfAssociationStruct](#) 56  
  [ArrayOfEntityStruct](#) 57  
  [ArrayOfLobSystemStruct](#) 57  
  [ArrayOfLocalizedNameStruct](#) 57  
  [ArrayOfMethodInstanceStruct](#) 57  
  [ArrayOfModelStruct](#) 58  
  [ArrayOfPropertyStruct](#) 58  
  [ArrayOfstring](#) 58  
  [ArrayOfTypeDescriptorStruct](#) 59  
  [ArrayOfunsignedInt](#) 59  
  [AssociationGroupStruct](#) 59  
  [AssociationReferenceStruct](#) 60  
  [AssociationStruct](#) 61  
  [BdcException](#) 62  
  [BdcExceptionState](#) 63  
  [ComplexValueStruct](#) 63  
  [ConcurrentModificationExceptionState](#) 64  
  [DataClassStruct](#) 64  
  [DefaultValueStruct](#) 65  
  [DuplicateMetadataObjectExceptionState](#) 65  
  [EntityStruct](#) 66  
  [ExceededMetadataObjectLimitExceptionState](#) 66  
  [Exception](#) 67  
  [FilterDescriptorStruct](#) 67  
  [IdentifierStruct](#) 67  
  [InvalidMetadataObjectExceptionState](#) 69  
  [InvalidMetadataPropertyExceptionState](#) 69  
  [InvalidOperationException](#) 70  
  [LobSystemInstanceStruct](#) 70  
  [LobSystemStruct](#) 70  
  [LocalizedNameStruct](#) 71  
  [MetadataException](#) 71  
  [MetadataObjectNotFoundExceptionState](#) 72  
  [MetadataObjectStruct](#) 72  
  [MethodInstanceStruct](#) 73  
  [MethodStruct](#) 74  
  [ModelStruct](#) 74  
  [PackageFormatExceptionState](#) 74  
  [ParameterStruct](#) 75  
  [PropertyStruct](#) 76  
  [ProxyGenerationResult](#) 76  
  [SafetyNetStruct](#) 77  
  [SystemException](#) 78  
  [TypeDescriptorStruct](#) 78  
  [Version](#) 81  
  [ComplexValueStruct complex type](#) 63  
[ConcurrentModificationExceptionState complex type](#) 64  
[Creating an Entity example](#) 555  
[Creating an LobSystem example](#) 550  
[Creating properties for MetadataObjects example](#) 561

### D

Data model - abstract  
  [server](#) 93

[DataClassStruct complex type](#) 64  
[DefaultValueStruct complex type](#) 65  
[Deleting an Entity example](#) 566  
[DirectionType simple type](#) 84  
[DuplicateMetadataObjectExceptionState complex type](#) 65  
[duration simple type](#) 84

## E

[EntityStruct complex type](#) 66  
Events  
  [local - server](#) 549  
  [timer - server](#) 549  
Examples  
  [activating an Entity](#) 557  
  [adding localized names for MetadataObjects](#) 563  
  [creating an Entity](#) 555  
  [Creating an LobSystem](#) 550  
  [creating properties for MetadataObjects](#) 561  
  [deleting an Entity](#) 566  
  [overview](#) 550  
  [reading an Entity](#) 559  
  [reading the security information of a MetadataObject](#) 553  
  [setting the security information of a MetadataObject](#) 551  
  [updating an Entity](#) 564  
[ExceededMetadataObjectLimitExceptionState complex type](#) 66  
[Exception complex type](#) 67

## F

[Fields - vendor-extensible](#) 45  
[FilterDescriptorStruct complex type](#) 67  
[FilterType simple type](#) 84  
[Full WSDL](#) 570

## G

[Glossary](#) 40  
[Groups](#) 92  
[guid simple type](#) 86

## I

[IdentifierStruct complex type](#) 67  
[Implementer - security considerations](#) 569  
[Index of security parameters](#) 569  
[Informative references](#) 43  
Initialization  
  [server](#) 100  
[Introduction](#) 40  
[InvalidMetadataObjectExceptionState complex type](#) 69  
[InvalidMetadataPropertyExceptionState complex type](#) 69  
[InvalidOperationException complex type](#) 70

## L

[LobSystemInstanceStruct complex type](#) 70  
[LobSystemStruct complex type](#) 70  
Local events  
  [server](#) 549  
[LocalizedNameStruct complex type](#) 71

## M

Message processing  
  [server](#) 100  
Messages  
  [AccessControlEntryStruct complex type](#) 52  
  [AccessDeniedException complex type](#) 53  
  [AccessDeniedExceptionState complex type](#) 53  
  [ActionParameterStruct complex type](#) 54  
  [ActionStruct complex type](#) 54  
  [AdministrationMetadataCatalogStruct complex type](#) 55  
  [ArgumentException complex type](#) 55  
  [ArgumentNullException complex type](#) 55  
  [ArgumentOutOfRangeException complex type](#) 56  
  [ArrayOfAccessControlEntryStruct complex type](#) 56  
  [ArrayOfAssociationStruct complex type](#) 56  
  [ArrayOfEntityStruct complex type](#) 57  
  [ArrayOfLobSystemStruct complex type](#) 57  
  [ArrayOfLocalizedNameStruct complex type](#) 57  
  [ArrayOfMethodInstanceStruct complex type](#) 57  
  [ArrayOfModelStruct complex type](#) 58  
  [ArrayOfPropertyStruct complex type](#) 58  
  [ArrayOfstring complex type](#) 58  
  [ArrayOfTypeDescriptorStruct complex type](#) 59  
  [ArrayOfunsignedInt complex type](#) 59  
  [AssociationGroupStruct complex type](#) 59  
  [AssociationReferenceStruct complex type](#) 60  
  [AssociationStruct complex type](#) 61  
  [attribute groups](#) 92  
  [attributes](#) 92  
  [BdcException complex type](#) 62  
  [BdcExceptionState complex type](#) 63  
  [CacheUsage simple type](#) 83  
  [char simple type](#) 83  
  [complex types](#) 47  
  [ComplexValueStruct complex type](#) 63  
  [ConcurrentModificationExceptionState complex type](#) 64  
  [DataClassStruct complex type](#) 64  
  [DefaultValueStruct complex type](#) 65  
  [DirectionType simple type](#) 84  
  [DuplicateMetadataObjectExceptionState complex type](#) 65  
  [duration simple type](#) 84  
  [elements](#) 47  
  [EntityStruct complex type](#) 66  
  [enumerated](#) 47  
  [ExceededMetadataObjectLimitExceptionState complex type](#) 66  
  [Exception complex type](#) 67  
  [FilterDescriptorStruct complex type](#) 67  
  [FilterType simple type](#) 84  
  [groups](#) 92  
  [guid simple type](#) 86

[IdentifierStruct complex type](#) 67  
[InvalidMetadataObjectExceptionState complex type](#) 69  
[InvalidMetadataPropertyExceptionState complex type](#) 69  
[InvalidOperationException complex type](#) 70  
[LobSystemInstanceStruct complex type](#) 70  
[LobSystemStruct complex type](#) 70  
[LocalizedNameStruct complex type](#) 71  
[MetadataException complex type](#) 71  
[MetadataObjectNotFoundExceptionState complex type](#) 72  
[MetadataObjectStruct complex type](#) 72  
[MethodInstanceStruct complex type](#) 73  
[MethodInstanceType simple type](#) 86  
[MethodStruct complex type](#) 74  
[ModelStruct complex type](#) 74  
[namespaces](#) 46  
[PackageContents simple type](#) 88  
[PackageFormatExceptionState complex type](#) 74  
[ParameterStruct complex type](#) 75  
[PropertyStruct complex type](#) 76  
[ProxyGenerationResult complex type](#) 76  
[SafetyNetStruct complex type](#) 77  
[simple types](#) 82  
[syntax](#) 46  
[SystemException complex type](#) 78  
[SystemType simple type](#) 89  
[ThrottleScope simple type](#) 90  
[ThrottleType simple type](#) 91  
[transport](#) 46  
[TypeDescriptorFlags simple type](#) 91  
[TypeDescriptorStruct complex type](#) 78  
[Version complex type](#) 81  
[MetadataException complex type](#) 71  
[MetadataObjectNotFoundExceptionState complex type](#) 72  
[MetadataObjectStruct complex type](#) 72  
[MethodInstanceStruct complex type](#) 73  
[MethodInstanceType simple type](#) 86  
[MethodStruct complex type](#) 74  
[ModelStruct complex type](#) 74

**N**

[Namespaces](#) 46  
[Normative references](#) 42

**O**

Operations  
[Activate](#) 117  
[AddAssociationReferenceToAssociationGroup](#) 121  
[AddEntityToModel](#) 125  
[AddThrottlingRule](#) 128  
[BulkSwitchActiveOrValidate](#) 131  
[CheckPathInMethodInstances](#) 142  
[ClearLocalizedNames](#) 145  
[ClearProperties](#) 148  
[CopyAclAcrossChildren](#) 151  
[CopyAclAcrossChildrenForSetting](#) 154  
[CopyAclToSetting](#) 158  
[Deactivate](#) 161  
[Delete](#) 165  
[DeleteAssociationReferenceFromAssociationGroup](#) 170  
[DeleteDefaultValueForTypeDescriptor](#) 174  
[DeleteNoCascade](#) 177  
[DeleteProxyAssemblyForLobSystem](#) 182  
[EntityCreate](#) 185  
[ExportPackage](#) 189  
[GenerateProxyAssemblyForLobSystem](#) 193  
[GetAccessControlEntries](#) 197  
[GetActionById](#) 200  
[GetActionParameterById](#) 203  
[GetActionParametersForAction](#) 206  
[GetActionsForEntity](#) 210  
[GetAllLocalizedNames](#) 214  
[GetAllLocalizedNamesForMetadataObjectStruct](#) 217  
[GetAllPartitionIds](#) 220  
[GetAllProperties](#) 223  
[GetAllPropertiesForMetadataObjectStruct](#) 227  
[GetAssociationById](#) 230  
[GetAssociationGroupById](#) 233  
[GetAssociationGroupsForEntity](#) 237  
[GetAssociationMembersInRole](#) 240  
[GetAssociationReferencesForAssociationGroup](#) 245  
[GetAssociationsForDataClass](#) 249  
[GetAssociationsForEntityAndRole](#) 252  
[GetAssociationsForMethod](#) 256  
[GetCacheInvalidationRecordsSince](#) 259  
[GetChildTypeDescriptorsForTypeDescriptor](#) 264  
[GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor](#) 267  
[GetDataClassById](#) 271  
[GetDataClassesForSystem](#) 274  
[GetDefaultValuesForTypeDescriptor](#) 278  
[GetEntitiesForAssociationAndRole](#) 281  
[GetEntitiesForSystem](#) 285  
[GetEntitiesLikeNameAndNamespace](#) 288  
[GetEntitiesReferencedByModelId](#) 292  
[GetEntityById](#) 296  
[GetEntityCount](#) 299  
[GetEntityNameAndNamespacesForAssociationAndRole](#) 302  
[GetEntityWithNameAndNamespace](#) 306  
[GetEntityWithNameAndNamespaceAndVersion](#) 309  
[GetFieldTypeDescriptorsByMethodInstance](#) 313  
[GetFilterDescriptorById](#) 317  
[GetFilterDescriptorsForMethod](#) 320  
[GetIdentifierById](#) 323  
[GetIdentifiersForEntity](#) 327  
[GetImportProgress](#) 330  
[GetLevelForTypeDescriptor](#) 332  
[GetLobSystemAllAssembliesBytes](#) 336  
[GetLobSystemById](#) 339  
[GetLobSystemByName](#) 343  
[GetLobSystemDataByLobSystem](#) 346  
[GetLobSystemInstanceById](#) 350  
[GetLobSystemInstancesForLobSystem](#) 353

- [GetLobSystemProxyAssemblyBytesByLobSystemId](#) 357
- [GetLobSystemsLikeName](#) 361
- [GetLobSystemsReferencedByEntitiesAssociatedWithModel](#) 364
- [GetMethodById](#) 369
- [GetMethodInstanceById](#) 372
- [GetMethodInstancesForDataClass](#) 375
- [GetMethodInstancesForMethod](#) 378
- [GetMethodsForDataClass](#) 382
- [GetModelById](#) 385
- [GetModelByName](#) 388
- [GetModelsByEntityId](#) 391
- [GetModelsByName](#) 394
- [GetParameterById](#) 398
- [GetParametersForMethod](#) 401
- [GetRootTypeDescriptorForParameter](#) 404
- [GetServiceApplicationId](#) 408
- [GetSystemUtilityTypeNameForLobSystem](#) 410
- [GetThrottlingRules](#) 413
- [GetTypeDescriptorById](#) 416
- [GetTypeDescriptorsByNameAndLevelForParameter](#) 419
- [GetTypeDescriptorsForFilterDescriptor](#) 423
- [GetTypeReflectorTypeNameForParameter](#) 426
- [GetXmlSchemaForView](#) 429
- [HaveRights](#) 432
- [ImportPackage](#) 436
- [ImportPackageWithProgress](#) 442
- [IsMethodInstantiated](#) 449
- [IsParameterReferencedByMethodInstance](#) 451
- [MetadataObjectCreate](#) 455
- [MetadataObjectMergeXml](#) 462
- [MetadataObjectReadXml](#) 469
- [MetadataObjectWriteXml](#) 477
- [ModelReadXml](#) 482
- [ReadSlicedXml](#) 489
- [RemoveEntityFromModel](#) 492
- [RemoveLocalizedName](#) 496
- [RemoveProperty](#) 499
- [RemoveThrottlingRule](#) 502
- [SaveLocalizedName](#) 505
- [SaveProperty](#) 508
- [SetAccessControlEntries](#) 511
- [SetDefaultActionForEntity](#) 515
- [SetDefaultValuesForTypeDescriptor](#) 518
- [SetLobSystemDataByLobSystemId](#) 522
- [TypeDescriptorCreate](#) 525
- [TypeDescriptorMergeXml](#) 529
- [TypeDescriptorReadXml](#) 534
- [Update](#) 539
- [WriteSlicedXml](#) 546
- [Overview \(synopsis\)](#) 43

## P

- [PackageContents](#) [simple type](#) 88
- [PackageFormatExceptionState](#) [complex type](#) 74
- [Parameters - security index](#) 569
- [ParameterStruct](#) [complex type](#) 75
- [Preconditions](#) 44
- [Prerequisites](#) 44

- [Product behavior](#) 901
- [PropertyStruct](#) [complex type](#) 76
- [ProxyGenerationResult](#) [complex type](#) 76

## R

- [Reading an Entity example](#) 559
- [Reading the security information of a MetadataObject example](#) 553
- [References](#) 42
  - [informative](#) 43
  - [normative](#) 42
- [Relationship to other protocols](#) 44

## S

- [SafetyNetStruct](#) [complex type](#) 77
- Security
  - [implementer considerations](#) 569
  - [parameter index](#) 569
- Sequencing rules
  - [server](#) 100
- Server
  - [abstract data model](#) 93
  - [Activate operation](#) 117
  - [AddAssociationReferenceToAssociationGroup operation](#) 121
  - [AddEntityToModel operation](#) 125
  - [AddThrottlingRule operation](#) 128
  - [BulkSwitchActiveOrValidate operation](#) 131
  - [CheckPathInMethodInstances operation](#) 142
  - [ClearLocalizedNames operation](#) 145
  - [ClearProperties operation](#) 148
  - [CopyAclAcrossChildren operation](#) 151
  - [CopyAclAcrossChildrenForSetting operation](#) 154
  - [CopyAclToSetting operation](#) 158
  - [Deactivate operation](#) 161
  - [Delete operation](#) 165
  - [DeleteAssociationReferenceFromAssociationGroup operation](#) 170
  - [DeleteDefaultValueForTypeDescriptor operation](#) 174
  - [DeleteNoCascade operation](#) 177
  - [DeleteProxyAssemblyForLobSystem operation](#) 182
  - [EntityCreate operation](#) 185
  - [ExportPackage operation](#) 189
  - [GenerateProxyAssemblyForLobSystem operation](#) 193
  - [GetAccessControlEntries operation](#) 197
  - [GetActionById operation](#) 200
  - [GetActionParameterById operation](#) 203
  - [GetActionParametersForAction operation](#) 206
  - [GetActionsForEntity operation](#) 210
  - [GetAllLocalizedNames operation](#) 214
  - [GetAllLocalizedNamesForMetadataObjectStruct operation](#) 217
  - [GetAllPartitionIds operation](#) 220
  - [GetAllProperties operation](#) 223
  - [GetAllPropertiesForMetadataObjectStruct operation](#) 227
  - [GetAssociationById operation](#) 230



[GetAssociationGroupById operation](#) 233  
[GetAssociationGroupsForEntity operation](#) 237  
[GetAssociationMembersInRole operation](#) 240  
[GetAssociationReferencesForAssociationGroup operation](#) 245  
[GetAssociationsForDataClass operation](#) 249  
[GetAssociationsForEntityAndRole operation](#) 252  
[GetAssociationsForMethod operation](#) 256  
[GetCacheInvalidationRecordsSince operation](#) 259  
[GetChildTypeDescriptorsForTypeDescriptor operation](#) 264  
[GetChildTypeDescriptorsWithIdentifiersForTypeDescriptor operation](#) 267  
[GetDataClassById operation](#) 271  
[GetDataClassesForSystem operation](#) 274  
[GetDefaultValuesForTypeDescriptor operation](#) 278  
[GetEntitiesForAssociationAndRole operation](#) 281  
[GetEntitiesForSystem operation](#) 285  
[GetEntitiesLikeNameAndNamespace operation](#) 288  
[GetEntitiesReferencedByModelId operation](#) 292  
[GetEntityById operation](#) 296  
[GetEntityCount operation](#) 299  
[GetEntityNameAndNamespacesForAssociationAndRole operation](#) 302  
[GetEntityWithNameAndNamespace operation](#) 306  
[GetEntityWithNameAndNamespaceAndVersion operation](#) 309  
[GetFieldTypeDescriptorsByMethodInstance operation](#) 313  
[GetFilterDescriptorById operation](#) 317  
[GetFilterDescriptorsForMethod operation](#) 320  
[GetIdentifierById operation](#) 323  
[GetIdentifiersForEntity operation](#) 327  
[GetImportProgress operation](#) 330  
[GetLevelForTypeDescriptor operation](#) 332  
[GetLobSystemAllAssembliesBytes operation](#) 336  
[GetLobSystemById operation](#) 339  
[GetLobSystemByName operation](#) 343  
[GetLobSystemDataByLobSystem operation](#) 346  
[GetLobSystemInstanceById operation](#) 350  
[GetLobSystemInstancesForLobSystem operation](#) 353  
[GetLobSystemProxyAssemblyBytesByLobSystemId operation](#) 357  
[GetLobSystemsLikeName operation](#) 361  
[GetLobSystemsReferencedByEntitiesAssociatedWithModel operation](#) 364  
[GetMethodById operation](#) 369  
[GetMethodInstanceById operation](#) 372  
[GetMethodInstancesForDataClass operation](#) 375  
[GetMethodInstancesForMethod operation](#) 378  
[GetMethodsForDataClass operation](#) 382  
[GetModelById operation](#) 385  
[GetModelByName operation](#) 388  
[GetModelsByEntityId operation](#) 391  
[GetModelsByName operation](#) 394  
[GetParameterById operation](#) 398  
[GetParametersForMethod operation](#) 401  
[GetRootTypeDescriptorForParameter operation](#) 404  
[GetServiceApplicationId operation](#) 408  
[GetSystemUtilityTypeNameForLobSystem operation](#) 410  
[GetThrottlingRules operation](#) 413  
[GetTypeDescriptorById operation](#) 416  
[GetTypeDescriptorsByNameAndLevelForParameter operation](#) 419  
[GetTypeDescriptorsForFilterDescriptor operation](#) 423  
[GetTypeReflectorTypeNameForParameter operation](#) 426  
[GetXmlSchemaForView operation](#) 429  
[HaveRights operation](#) 432  
[ImportPackage operation](#) 436  
[ImportPackageWithProgress operation](#) 442  
[initialization](#) 100  
[IsMethodInstantiated operation](#) 449  
[IsParameterReferencedByMethodInstance operation](#) 451  
[local events](#) 549  
[message processing](#) 100  
[MetadataObjectCreate operation](#) 455  
[MetadataObjectMergeXml operation](#) 462  
[MetadataObjectReadXml operation](#) 469  
[MetadataObjectWriteXml operation](#) 477  
[ModelReadXml operation](#) 482  
[overview](#) 93  
[ReadSlicedXml operation](#) 489  
[RemoveEntityFromModel operation](#) 492  
[RemoveLocalizedName operation](#) 496  
[RemoveProperty operation](#) 499  
[RemoveThrottlingRule operation](#) 502  
[SaveLocalizedName operation](#) 505  
[SaveProperty operation](#) 508  
[sequencing rules](#) 100  
[SetAccessControlEntries operation](#) 511  
[SetDefaultActionForEntity operation](#) 515  
[SetDefaultValuesForTypeDescriptor operation](#) 518  
[SetLobSystemDataByLobSystemId operation](#) 522  
[timer events](#) 549  
[timers](#) 100  
[TypeDescriptorCreate operation](#) 525  
[TypeDescriptorMergeXml operation](#) 529  
[TypeDescriptorReadXml operation](#) 534  
[Update operation](#) 539  
[WriteSlicedXml operation](#) 546  
[Server details](#) 93  
[Setting the security information of a MetadataObject example](#) 551  
[Simple types](#) 82  
[CacheUsage](#) 83  
[char](#) 83  
[DirectionType](#) 84  
[duration](#) 84  
[FilterType](#) 84  
[guid](#) 86  
[MethodInstanceType](#) 86  
[PackageContents](#) 88  
[SystemType](#) 89

[ThrottleScope](#) 90  
[ThrottleType](#) 91  
[TypeDescriptorFlags](#) 91  
[Standards assignments](#) 45  
Syntax  
  [messages - overview](#) 46  
[SystemException complex type](#) 78  
[SystemType simple type](#) 89

## T

[ThrottleScope simple type](#) 90  
[ThrottleType simple type](#) 91  
Timer events  
  [server](#) 549  
Timers  
  [server](#) 100  
[Tracking changes](#) 910  
[Transport](#) 46  
[TypeDescriptorFlags simple type](#) 91  
[TypeDescriptorStruct complex type](#) 78  
Types  
  [complex](#) 47  
  [simple](#) 82

## U

[Updating an Entity example](#) 564

## V

[Vendor-extensible fields](#) 45  
[Version complex type](#) 81  
[Versioning](#) 45

## W

[WSDL](#) 570