

[MS-PPSAPP]: PerformancePoint Services Application Server Protocol Specification

Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.
- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft [Open Specification Promise](#) or the [Community Promise](#). If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting iplg@microsoft.com.
- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights.
- **Fictitious Names.** The example companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

Reservation of Rights. All other rights are reserved, and this notice does not grant any rights other than specifically described above, whether by implication, estoppel, or otherwise.

Tools. The Open Specifications do not require the use of Microsoft programming tools or programming environments in order for you to develop an implementation. If you have access to Microsoft programming tools and environments you are free to take advantage of them. Certain Open Specifications are intended for use in conjunction with publicly available standard specifications and network programming art, and assumes that the reader either is familiar with the aforementioned material or has immediate access to it.

Preliminary Documentation. This Open Specification provides documentation for past and current releases and/or for the pre-release (beta) version of this technology. This Open Specification is final documentation for past or current releases as specifically noted in the document, as applicable; it is preliminary documentation for the pre-release (beta) versions. Microsoft will release final documentation in connection with the commercial release of the updated or new version of this technology. As the documentation may change between this preliminary version and the final version of this technology, there are risks in relying on preliminary documentation. To the extent that you incur additional development obligations or any other costs as a result of relying on this preliminary documentation, you do so at your own risk.

Revision Summary

Date	Revision History	Revision Class	Comments
07/13/2009	0.1	Major	Initial Availability
08/28/2009	0.2	Editorial	Revised and edited the technical content
11/06/2009	0.3	Editorial	Revised and edited the technical content
02/19/2010	1.0	Major	Updated and revised the technical content
03/31/2010	1.01	Editorial	Revised and edited the technical content
04/30/2010	1.02	Editorial	Revised and edited the technical content
06/07/2010	1.03	Minor	Updated the technical content
06/29/2010	1.04	Editorial	Changed language and formatting in the technical content.
07/23/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
09/27/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
03/18/2011	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
06/10/2011	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
01/20/2012	2.0	Major	Significantly changed the technical content.
04/11/2012	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
07/16/2012	2.0	No change	No changes to the meaning, language, or formatting of

Date	Revision History	Revision Class	Comments
			the technical content.

Table of Contents

1	Introduction	16
1.1	Glossary	16
1.2	References.....	17
1.2.1	Normative References.....	18
1.2.2	Informative References	19
1.3	Protocol Overview (Synopsis)	19
1.4	Relationship to Other Protocols.....	19
1.5	Prerequisites/Preconditions	20
1.6	Applicability Statement.....	20
1.7	Versioning and Capability Negotiation.....	20
1.8	Vendor-Extensible Fields.....	20
1.9	Standards Assignments	21
2	Messages.....	22
2.1	Transport.....	22
2.2	Common Message Syntax	22
2.2.1	Namespaces	23
2.2.2	Messages	23
2.2.2.1	Faults.....	23
2.2.2.1.1	SOAP Fault Detail Element.....	23
2.2.2.1.2	Full List of Possible Error Codes.....	23
2.2.2.1.3	Common List of Error Codes	23
2.2.3	Elements.....	23
2.2.4	Complex Types	24
2.2.4.1	ArrayOfArrayOfKeyValueOfstringanyType.....	30
2.2.4.2	ArrayOfArrayOfString	31
2.2.4.3	ArrayOfBIData.....	31
2.2.4.4	ArrayOfKeyValueOfstringanyType	31
2.2.4.5	ArrayOfScriptDependency	32
2.2.4.6	ArrayOfSubstitutionPair	32
2.2.4.7	BIData	32
2.2.4.8	BpmException	33
2.2.4.9	DecompQueryParameters	34
2.2.4.10	DictionaryWrapperOfStringListOfString	34
2.2.4.11	DictionaryWrapperOfStringString	34
2.2.4.12	ExportSettings.....	35
2.2.4.13	OfficeExportInfo	35
2.2.4.14	ParameterMessage.....	36
2.2.4.15	ParameterSearchResultRecord.....	36
2.2.4.16	ResourceDependencies	37
2.2.4.17	ScriptDependency	37
2.2.4.18	Setting	38
2.2.4.19	SubstitutionPair	41
2.2.4.20	WebPartContext.....	41
2.2.4.21	WebPartContextUpdate.....	42
2.2.4.22	DictionaryWrapperOfStringArrayOfString	42
2.2.5	Simple Types	42
2.2.5.1	ExportFormat.....	45
2.2.5.2	SettingType	45
2.2.6	Attributes.....	45

2.2.7	Groups.....	45
2.2.8	Attribute Groups	46
2.2.9	Common Data Structures	46
3	Protocol Details.....	47
3.1	Server Details	47
3.1.1	Abstract Data Model	47
3.1.2	Timers	50
3.1.3	Initialization	50
3.1.4	Message Processing Events and Sequencing Rules.....	50
3.1.4.1	CreateNavigationMetadata	55
3.1.4.1.1	Messages	55
3.1.4.1.1.1	IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMe ssage	56
3.1.4.1.1.2	IBIMonitoringServiceApplication_CreateNavigationMetadata_Output Message	56
3.1.4.1.2	Elements.....	56
3.1.4.1.2.1	CreateNavigationMetadata	56
3.1.4.1.2.2	CreateNavigationMetadataResponse.....	57
3.1.4.1.3	Complex Types	57
3.1.4.1.4	Simple Types.....	57
3.1.4.1.5	Attributes.....	57
3.1.4.1.6	Groups.....	57
3.1.4.1.7	Attribute Groups	57
3.1.4.2	CreateReportHtml	57
3.1.4.2.1	Messages	58
3.1.4.2.1.1	IBIMonitoringServiceApplication_CreateReportHtml_InputMessage	58
3.1.4.2.1.2	IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage	58
3.1.4.2.2	Elements.....	58
3.1.4.2.2.1	CreateReportHtml	58
3.1.4.2.2.2	CreateReportHtmlResponse	59
3.1.4.2.3	Complex Types	60
3.1.4.2.4	Simple Types.....	60
3.1.4.2.5	Attributes.....	60
3.1.4.2.6	Groups.....	60
3.1.4.2.7	Attribute Groups	60
3.1.4.3	DecompStartAnalyze	60
3.1.4.3.1	Messages	60
3.1.4.3.1.1	IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage ..	61
3.1.4.3.1.2	IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessa ge	61
3.1.4.3.2	Elements.....	61
3.1.4.3.2.1	DecompStartAnalyze	61
3.1.4.3.2.2	DecompStartAnalyzeResponse	62
3.1.4.3.3	Complex Types	62
3.1.4.3.3.1	DecompTupleRecord	62
3.1.4.3.4	Simple Types.....	62
3.1.4.3.5	Attributes.....	62
3.1.4.3.6	Groups.....	62
3.1.4.3.7	Attribute Groups	62

3.1.4.4	ExportReport.....	63
3.1.4.4.1	Messages	63
3.1.4.4.1.1	IBIMonitoringServiceApplication_ExportReport_InputMessage	63
3.1.4.4.1.2	IBIMonitoringServiceApplication_ExportReport_OutputMessage	63
3.1.4.4.2	Elements.....	63
3.1.4.4.2.1	ExportReport	64
3.1.4.4.2.2	ExportReportResponse	64
3.1.4.4.3	Complex Types	64
3.1.4.4.4	Simple Types.....	64
3.1.4.4.5	Attributes.....	64
3.1.4.4.6	Groups.....	65
3.1.4.4.7	Attribute Groups	65
3.1.4.5	ExportScorecard	65
3.1.4.5.1	Messages	65
3.1.4.5.1.1	IBIMonitoringServiceApplication_ExportScorecard_InputMessage	65
3.1.4.5.1.2	IBIMonitoringServiceApplication_ExportScorecard_OutputMessage	66
3.1.4.5.2	Elements.....	66
3.1.4.5.2.1	ExportScorecard	66
3.1.4.5.2.2	ExportScorecardResponse.....	66
3.1.4.5.3	Complex Types	67
3.1.4.5.4	Simple Types.....	67
3.1.4.5.5	Attributes.....	67
3.1.4.5.6	Groups.....	67
3.1.4.5.7	Attribute Groups	67
3.1.4.6	GetDrillThroughPreview	67
3.1.4.6.1	Messages	67
3.1.4.6.1.1	IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage	67
3.1.4.6.1.2	IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage	68
3.1.4.6.2	Elements.....	68
3.1.4.6.2.1	GetDrillThroughPreview	68
3.1.4.6.2.2	GetDrillThroughPreviewResponse.....	69
3.1.4.6.3	Complex Types	69
3.1.4.6.4	Simple Types.....	69
3.1.4.6.5	Attributes.....	69
3.1.4.6.6	Groups.....	69
3.1.4.6.7	Attribute Groups	69
3.1.4.7	GetFilterDependencies.....	70
3.1.4.7.1	Messages	70
3.1.4.7.1.1	IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage	70
3.1.4.7.1.2	IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage	71
3.1.4.7.2	Elements.....	71
3.1.4.7.2.1	GetFilterDependencies	71
3.1.4.7.2.2	GetFilterDependenciesResponse	71
3.1.4.7.3	Complex Types	71
3.1.4.7.4	Simple Types.....	71

3.1.4.7.5	Attributes.....	72
3.1.4.7.6	Groups.....	72
3.1.4.7.7	Attribute Groups	72
3.1.4.8	GetFilterDisplayData	72
3.1.4.8.1	Messages	73
3.1.4.8.1.1	IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage...	73
3.1.4.8.1.2	IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage	73
3.1.4.8.2	Elements.....	73
3.1.4.8.2.1	GetFilterDisplayData	73
3.1.4.8.2.2	GetFilterDisplayDataResponse	74
3.1.4.8.3	Complex Types	74
3.1.4.8.4	Simple Types.....	74
3.1.4.8.5	Attributes.....	74
3.1.4.8.6	Groups.....	74
3.1.4.8.7	Attribute Groups	75
3.1.4.9	GetParameterMessageData	75
3.1.4.9.1	Messages	76
3.1.4.9.1.1	IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage	76
3.1.4.9.1.2	IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage	76
3.1.4.9.2	Elements.....	76
3.1.4.9.2.1	GetParameterMessageData	76
3.1.4.9.2.2	GetParameterMessageDataResponse.....	77
3.1.4.9.3	Complex Types	77
3.1.4.9.4	Simple Types.....	77
3.1.4.9.5	Attributes.....	77
3.1.4.9.6	Groups.....	77
3.1.4.9.7	Attribute Groups	77
3.1.4.10	GetRemainingParameterDisplayData	78
3.1.4.10.1	Messages	78
3.1.4.10.1.1	IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage	79
3.1.4.10.1.2	IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage	79
3.1.4.10.2	Elements.....	79
3.1.4.10.2.1	GetRemainingParameterDisplayData	79
3.1.4.10.2.2	GetRemainingParameterDisplayDataResponse	79
3.1.4.10.3	Complex Types	80
3.1.4.10.3.1	ParameterGetRemainingResultRecord.....	80
3.1.4.10.4	Simple Types	80
3.1.4.10.5	Attributes.....	80
3.1.4.10.6	Groups.....	80
3.1.4.10.7	Attribute Groups.....	80
3.1.4.11	GetRemainingSearchResults.....	80
3.1.4.11.1	Messages	81

3.1.4.11.1.1	IBIMonitoringServiceApplication_GetRemainingSearchResults_Input Message	81
3.1.4.11.1.2	IBIMonitoringServiceApplication_GetRemainingSearchResults_Outpu tMessage	82
3.1.4.11.2	Elements	82
3.1.4.11.2.1	GetRemainingSearchResults	82
3.1.4.11.2.2	GetRemainingSearchResultsResponse	82
3.1.4.11.3	Complex Types	83
3.1.4.11.4	Simple Types	83
3.1.4.11.5	Attributes	83
3.1.4.11.6	Groups	83
3.1.4.11.7	Attribute Groups	83
3.1.4.12	GetRenderControlPreview	83
3.1.4.12.1	Messages	84
3.1.4.12.1.1	IBIMonitoringServiceApplication_GetRenderControlPreview_InputMes sage	84
3.1.4.12.1.2	IBIMonitoringServiceApplication_GetRenderControlPreview_OutputM essage	84
3.1.4.12.2	Elements	84
3.1.4.12.2.1	GetRenderControlPreview	84
3.1.4.12.2.2	GetRenderControlPreviewResponse	85
3.1.4.12.3	Complex Types	85
3.1.4.12.4	Simple Types	85
3.1.4.12.5	Attributes	85
3.1.4.12.6	Groups	85
3.1.4.12.7	Attribute Groups	85
3.1.4.13	GetReportDependencies	85
3.1.4.13.1	Messages	86
3.1.4.13.1.1	IBIMonitoringServiceApplication_GetReportDependencies_InputMess age	86
3.1.4.13.1.2	IBIMonitoringServiceApplication_GetReportDependencies_OutputMes sage	86
3.1.4.13.2	Elements	87
3.1.4.13.2.1	GetReportDependencies	87
3.1.4.13.2.2	GetReportDependenciesResponse	87
3.1.4.13.3	Complex Types	87
3.1.4.13.4	Simple Types	87
3.1.4.13.5	Attributes	87
3.1.4.13.6	Groups	87
3.1.4.13.7	Attribute Groups	88
3.1.4.14	GetReportViewImageData	88
3.1.4.14.1	Messages	88
3.1.4.14.1.1	IBIMonitoringServiceApplication_GetReportViewImageData_InputMe ssage	88

3.1.4.14.1.2	IBIMonitoringServiceApplication_GetReportViewImageData_OutputM essage	89
3.1.4.14.2	Elements	89
3.1.4.14.2.1	GetReportViewImageData	89
3.1.4.14.2.2	GetReportViewImageDataResponse	89
3.1.4.14.3	Complex Types	90
3.1.4.14.4	Simple Types	90
3.1.4.14.5	Attributes	90
3.1.4.14.6	Groups	90
3.1.4.14.7	Attribute Groups	90
3.1.4.15	GetScorecardDependencies	90
3.1.4.15.1	Messages	91
3.1.4.15.1.1	IBIMonitoringServiceApplication_GetScorecardDependencies_InputM essage	91
3.1.4.15.1.2	IBIMonitoringServiceApplication_GetScorecardDependencies_Output Message	92
3.1.4.15.2	Elements	92
3.1.4.15.2.1	GetScorecardDependencies	92
3.1.4.15.2.2	GetScorecardDependenciesResponse	92
3.1.4.15.3	Complex Types	92
3.1.4.15.4	Simple Types	92
3.1.4.15.5	Attributes	93
3.1.4.15.6	Groups	93
3.1.4.15.7	Attribute Groups	93
3.1.4.16	GetSetting	93
3.1.4.16.1	Messages	93
3.1.4.16.1.1	IBIMonitoringServiceApplication_GetSetting_InputMessage	93
3.1.4.16.1.2	IBIMonitoringServiceApplication_GetSetting_OutputMessage	94
3.1.4.16.2	Elements	94
3.1.4.16.2.1	GetSetting	94
3.1.4.16.2.2	GetSettingResponse	94
3.1.4.16.3	Complex Types	94
3.1.4.16.4	Simple Types	94
3.1.4.16.5	Attributes	95
3.1.4.16.6	Groups	95
3.1.4.16.7	Attribute Groups	95
3.1.4.17	GetSettings	95
3.1.4.17.1	Messages	95
3.1.4.17.1.1	IBIMonitoringServiceApplication_GetSettings_InputMessage	95
3.1.4.17.1.2	IBIMonitoringServiceApplication_GetSettings_OutputMessage	96
3.1.4.17.2	Elements	96
3.1.4.17.2.1	GetSettings	96
3.1.4.17.2.2	GetSettingsResponse	96
3.1.4.17.3	Complex Types	96
3.1.4.17.3.1	ArrayOfSetting	96
3.1.4.17.4	Simple Types	97
3.1.4.17.5	Attributes	97
3.1.4.17.6	Groups	97
3.1.4.17.7	Attribute Groups	97
3.1.4.18	GetSettingValue	97

3.1.4.18.1	Messages	98
3.1.4.18.1.1	IBIMonitoringServiceApplication_GetSettingValue_InputMessage	98
3.1.4.18.1.2	IBIMonitoringServiceApplication_GetSettingValue_OutputMessage	98
3.1.4.18.2	Elements	98
3.1.4.18.2.1	GetSettingValue	98
3.1.4.18.2.2	GetSettingValueResponse	98
3.1.4.18.3	Complex Types	99
3.1.4.18.4	Simple Types	99
3.1.4.18.5	Attributes	99
3.1.4.18.6	Groups	99
3.1.4.18.7	Attribute Groups	99
3.1.4.19	GetStrategyMapReportView	99
3.1.4.19.1	Messages	100
3.1.4.19.1.1	IBIMonitoringServiceApplication_GetStrategyMapReportView_InputM essage	100
3.1.4.19.1.2	IBIMonitoringServiceApplication_GetStrategyMapReportView_Output Message	100
3.1.4.19.2	Elements	100
3.1.4.19.2.1	GetStrategyMapReportView	101
3.1.4.19.2.2	GetStrategyMapReportViewResponse	101
3.1.4.19.3	Complex Types	101
3.1.4.19.4	Simple Types	101
3.1.4.19.5	Attributes	101
3.1.4.19.6	Groups	102
3.1.4.19.7	Attribute Groups	102
3.1.4.20	MaintenanceJob	102
3.1.4.20.1	Messages	102
3.1.4.20.1.1	IBIMonitoringServiceApplication_MaintenanceJob_InputMessage	102
3.1.4.20.1.2	IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage	102
3.1.4.20.2	Elements	102
3.1.4.20.2.1	MaintenanceJob	103
3.1.4.20.2.2	MaintenanceJobResponse	103
3.1.4.20.3	Complex Types	103
3.1.4.20.4	Simple Types	103
3.1.4.20.5	Attributes	103
3.1.4.20.6	Groups	103
3.1.4.20.7	Attribute Groups	103
3.1.4.21	RenderFilter	103
3.1.4.21.1	Messages	104
3.1.4.21.1.1	IBIMonitoringServiceApplication_RenderFilter_InputMessage	104
3.1.4.21.1.2	IBIMonitoringServiceApplication_RenderFilter_OutputMessage	104
3.1.4.21.2	Elements	104
3.1.4.21.2.1	RenderFilter	104
3.1.4.21.2.2	RenderFilterResponse	105
3.1.4.21.3	Complex Types	105
3.1.4.21.4	Simple Types	106
3.1.4.21.5	Attributes	106
3.1.4.21.6	Groups	106
3.1.4.21.7	Attribute Groups	106
3.1.4.22	RenderReport	106
3.1.4.22.1	Messages	106

3.1.4.22.1.1	IBIMonitoringServiceApplication_RenderReport_InputMessage	107
3.1.4.22.1.2	IBIMonitoringServiceApplication_RenderReport_OutputMessage	107
3.1.4.22.2	Elements	107
3.1.4.22.2.1	RenderReport	107
3.1.4.22.2.2	RenderReportResponse	108
3.1.4.22.3	Complex Types	109
3.1.4.22.4	Simple Types	109
3.1.4.22.5	Attributes	109
3.1.4.22.6	Groups	109
3.1.4.22.7	Attribute Groups	109
3.1.4.23	RenderScorecard	110
3.1.4.23.1	Messages	110
3.1.4.23.1.1	IBIMonitoringServiceApplication_RenderScorecard_InputMessage	110
3.1.4.23.1.2	IBIMonitoringServiceApplication_RenderScorecard_OutputMessage	110
3.1.4.23.2	Elements	111
3.1.4.23.2.1	RenderScorecard	111
3.1.4.23.2.2	RenderScorecardResponse	112
3.1.4.23.3	Complex Types	113
3.1.4.23.4	Simple Types	113
3.1.4.23.5	Attributes	113
3.1.4.23.6	Groups	113
3.1.4.23.7	Attribute Groups	113
3.1.4.24	RenderScorecardAjaxControl	113
3.1.4.24.1	Messages	114
3.1.4.24.1.1	IBIMonitoringServiceApplication_RenderScorecardAjaxControl_Input Message	114
3.1.4.24.1.2	IBIMonitoringServiceApplication_RenderScorecardAjaxControl_Outpu tMessage	114
3.1.4.24.2	Elements	114
3.1.4.24.2.1	RenderScorecardAjaxControl	114
3.1.4.24.2.2	RenderScorecardAjaxControlResponse	115
3.1.4.24.3	Complex Types	115
3.1.4.24.4	Simple Types	115
3.1.4.24.5	Attributes	115
3.1.4.24.6	Groups	116
3.1.4.24.7	Attribute Groups	116
3.1.4.25	RenderTreeMemberSelector	116
3.1.4.25.1	Messages	116
3.1.4.25.1.1	IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputM essage	116
3.1.4.25.1.2	IBIMonitoringServiceApplication_RenderTreeMemberSelector_Output Message	116
3.1.4.25.2	Elements	116
3.1.4.25.2.1	RenderTreeMemberSelector	117
3.1.4.25.2.2	RenderTreeMemberSelectorResponse	117
3.1.4.25.3	Complex Types	118
3.1.4.25.4	Simple Types	118
3.1.4.25.5	Attributes	118
3.1.4.25.6	Groups	118

3.1.4.25.7	Attribute Groups.....	118
3.1.4.26	ReportSupportsExportFormat	118
3.1.4.26.1	Messages	119
3.1.4.26.1.1	IBIMonitoringServiceApplication_ReportSupportsExportFormat_Input Message	119
3.1.4.26.1.2	IBIMonitoringServiceApplication_ReportSupportsExportFormat_Outp utMessage	119
3.1.4.26.2	Elements	119
3.1.4.26.2.1	ReportSupportsExportFormat	119
3.1.4.26.2.2	ReportSupportsExportFormatResponse	119
3.1.4.26.3	Complex Types	120
3.1.4.26.4	Simple Types	120
3.1.4.26.5	Attributes	120
3.1.4.26.6	Groups.....	120
3.1.4.26.7	Attribute Groups.....	120
3.1.4.27	SaveFilterValues	120
3.1.4.27.1	Messages	121
3.1.4.27.1.1	IBIMonitoringServiceApplication_SaveFilterValues_InputMessage	121
3.1.4.27.1.2	IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage	121
3.1.4.27.2	Elements	121
3.1.4.27.2.1	SaveFilterValues	121
3.1.4.27.2.2	SaveFilterValuesResponse	122
3.1.4.27.3	Complex Types	122
3.1.4.27.4	Simple Types	122
3.1.4.27.5	Attributes	122
3.1.4.27.6	Groups.....	122
3.1.4.27.7	Attribute Groups.....	122
3.1.4.28	SaveTemporaryStrategyMapReport	122
3.1.4.28.1	Messages	123
3.1.4.28.1.1	IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport _InputMessage.....	123
3.1.4.28.1.2	IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport _OutputMessage.....	123
3.1.4.28.2	Elements	123
3.1.4.28.2.1	SaveTemporaryStrategyMapReport	124
3.1.4.28.2.2	SaveTemporaryStrategyMapReportResponse	124
3.1.4.28.3	Complex Types	124
3.1.4.28.4	Simple Types	124
3.1.4.28.5	Attributes	124
3.1.4.28.6	Groups.....	124
3.1.4.28.7	Attribute Groups.....	124
3.1.4.29	ScorecardSupportsExportFormat.....	125
3.1.4.29.1	Messages	125
3.1.4.29.1.1	IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_In putMessage	125
3.1.4.29.1.2	IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_O utputMessage	125

3.1.4.29.2	Elements	126
3.1.4.29.2.1	ScorecardSupportsExportFormat	126
3.1.4.29.2.2	ScorecardSupportsExportFormatResponse	126
3.1.4.29.3	Complex Types	126
3.1.4.29.4	Simple Types	126
3.1.4.29.5	Attributes	126
3.1.4.29.6	Groups	127
3.1.4.29.7	Attribute Groups	127
3.1.4.30	SearchParameterDisplayData	127
3.1.4.30.1	Messages	128
3.1.4.30.1.1	IBIMonitoringServiceApplication_SearchParameterDisplayData_Input Message	128
3.1.4.30.1.2	IBIMonitoringServiceApplication_SearchParameterDisplayData_Outp utMessage	128
3.1.4.30.2	Elements	128
3.1.4.30.2.1	SearchParameterDisplayData	128
3.1.4.30.2.2	SearchParameterDisplayDataResponse	129
3.1.4.30.3	Complex Types	129
3.1.4.30.4	Simple Types	129
3.1.4.30.5	Attributes	129
3.1.4.30.6	Groups	129
3.1.4.30.7	Attribute Groups	129
3.1.4.31	UpdateSettingValue	129
3.1.4.31.1	Messages	130
3.1.4.31.1.1	IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage	130
3.1.4.31.1.2	IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessag e	130
3.1.4.31.2	Elements	130
3.1.4.31.2.1	UpdateSettingValue	131
3.1.4.31.2.2	UpdateSettingValueResponse	131
3.1.4.31.3	Complex Types	132
3.1.4.31.4	Simple Types	132
3.1.4.31.5	Attributes	132
3.1.4.31.6	Groups	132
3.1.4.31.7	Attribute Groups	132
3.1.4.32	DecompAutoExpand	132
3.1.4.32.1	Messages	132
3.1.4.32.1.1	IBIMonitoringServiceApplication_DecomAutoExpand_InputMessage	132
3.1.4.32.1.2	IBIMonitoringServiceApplication_DecomAutoExpand_OutputMessag e	133
3.1.4.32.2	Elements	133
3.1.4.32.2.1	DecompAutoExpand	133
3.1.4.32.2.2	DecompAutoExpandResponse	133
3.1.4.32.3	Complex Types	134
3.1.4.32.4	Simple Types	134
3.1.4.32.5	Attributes	134
3.1.4.32.6	Groups	134
3.1.4.32.7	Attribute Groups	134
3.1.4.33	DecompExpand	134

3.1.4.33.1	Messages	134
3.1.4.33.1.1	IBIMonitoringServiceApplication_DecomExpand_InputMessage	134
3.1.4.33.1.2	IBIMonitoringServiceApplication_DecomExpand_OutputMessage	135
3.1.4.33.2	Elements	135
3.1.4.33.2.1	DecompExpand	135
3.1.4.33.2.2	DecompExpandResponse	135
3.1.4.33.3	Complex Types	136
3.1.4.33.4	Simple Types	136
3.1.4.33.5	Attributes	136
3.1.4.33.6	Groups	136
3.1.4.33.7	Attribute Groups	136
3.1.4.34	ValidateSiteCollection	136
3.1.4.34.1	Messages	137
3.1.4.34.1.1	IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage	137
3.1.4.34.1.2	IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage	137
3.1.4.34.2	Elements	137
3.1.4.34.2.1	ValidateSiteCollection	137
3.1.4.34.2.2	ValidateSiteCollectionResponse	138
3.1.4.34.3	Complex Types	138
3.1.4.34.4	Simple Types	138
3.1.4.34.4.1	URLValidationResult	138
3.1.4.34.5	Attributes	139
3.1.4.34.6	Groups	139
3.1.4.34.7	Attribute Groups	139
3.1.5	Timer Events	139
3.1.6	Other Local Events	139
3.2	Client Details	139
3.2.1	Abstract Data Model	140
3.2.2	Timers	140
3.2.3	Initialization	140
3.2.4	Message Processing Events and Sequencing Rules	140
3.2.5	Timer Events	140
3.2.6	Other Local Events	140
4	Protocol Examples	141
4.1	Annotation Update	141
4.1.1	CreateAnnotation	141
4.1.2	UpdateAnnotation	143
4.1.3	DeleteAnnotation	145
4.2	Scorecard Render	146
4.2.1	GetScorecardDependencies	146
4.2.2	ScorecardSupportsExportFormat	147
4.2.3	GetSettingValue	148
4.2.4	RenderScorecard	149
5	Security	155
5.1	Security Considerations for Implementers	155
5.2	Index of Security Parameters	155

6	Appendix A: Full WSDL	156
7	Appendix B: Product Behavior	288
8	Change Tracking.....	289
9	Index	290

Preliminary

1 Introduction

This document specifies the PerformancePoint Services Application Server Protocol, which is a Windows Communication Foundation (WCF) protocol that is used to read from, write to, and perform basic operations on dashboards hosted on a protocol server.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

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

GUID
Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)
Secure Sockets Layer (SSL)
server
Transmission Control Protocol (TCP)

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

absolute URL
Analysis Services
application server
assembly
assembly name
banding
Boolean
cascading style sheet (CSS)
cell
context site
cube
dashboard
data source
data table
dimension
document library
drilldown
endpoint
feature
filter
hierarchy
item
JavaScript Object Notation (JSON)
key performance indicator (KPI)
level
list
list item
measure
member
multidimensional expression (MDX)
Multipurpose Internet Mail Extensions (MIME)

node
OLAP
query
relative path
report
report view
rollup
score
scorecard
Simple Object Access Protocol (SOAP)
site
site collection
slice
SOAP action
SOAP body
SOAP fault
SOAP fault detail
subsite
transform
UI culture
Unified Modeling Language (UML)
Uniform Resource Identifier (URI)
Uniform Resource Locator (URL)
Web control
Web Part
Web server
Web Services Description Language (WSDL)
WSDL message
WSDL operation
XML schema

The following terms are specific to this document:

named set: A grouping of dimension members or items from a data source that are named and treated as a single unit and can be referenced or reused multiple times.

security zone: A setting that determines whether a resource, such as a Web site, can access data on other domains, or access files and settings on a user's computer. There are four security zones: Internet, Local intranet, Trusted sites, and Restricted sites. The zone to which a resource is assigned specifies the security settings that are used for that resource. See also form security level.

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 Specifications documentation do not include a publishing year because links are to the latest version of the technical 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. 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.

[HTML] World Wide Web Consortium, "HTML 4.01 Specification", December 1999, <http://www.w3.org/TR/html4/>

[MS-EMMWCF] Microsoft Corporation, "[Metadata Shared Service WCF Service Protocol Specification](#)".

[MS-PPSAS] Microsoft Corporation, "[PerformancePoint Services AuthoringService Protocol Specification](#)".

[MS-PPSDECO] Microsoft Corporation, "[PerformancePoint Services Decomposition Tree Protocol Specification](#)".

[MS-PPTX] Microsoft Corporation, "[PowerPoint Extensions to the Office Open XML File Format \(.pptx\) Specification](#)".

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

[MS-XLSX] Microsoft Corporation, "[Excel Extensions to the Office Open XML SpreadsheetML File Format \(.xlsx\) Specification](#)".

[MS-XSSK] Microsoft Corporation, "[XML Serialization of Synchronization Knowledge 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>

[RFC4627] Crockford, D., "The application/json Media Type for Javascript Object Notation (JSON)", RFC 4627, July 2006, <http://www.ietf.org/rfc/rfc4627.txt>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[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>

[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>

[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

[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>

[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>

[X400] ITU-T, "Message handling systems - Message handling system and service overview", Recommendation F.400/X.400, June 1999, <http://www.itu.int/rec/T-REC-X.400/en>

1.3 Protocol Overview (Synopsis)

Business intelligence platforms typically support workflow whereby a user creates and publishes content representing business performance indicators, reports in a variety of forms, and data source references. This content is composed of metadata (such as names of dimensions or measures, or the names of data source references), calculation definitions, and formatting information (such as color or layout.)

This protocol enables a protocol client to:

- Create, read, update, validate and delete a variety of business logic content in a content store that exists on the protocol server. The types and sub-types of business logic content were summarized previously, and described in detail in Common Message Syntax (section [2.2](#))
- Create, read, update, and delete annotations, or comments, stored on the protocol server.
- Retrieve metadata, such as the names of dimensions or measures, via data source references.
- Retrieve a listing of content sub-types and Settings (section [2.2.4.18](#)) information from a configuration store on the protocol server.

A typical scenario for using this protocol is an extensible content editing application that enables users to create, publish and maintain some of the content used in a larger business intelligence system.

1.4 Relationship to Other Protocols

This protocol uses the **SOAP** message protocol for formatting request and response messages, as described in [\[SOAP1.1\]](#), [\[SOAP1.2/1\]](#) and [\[SOAP1.2/2\]](#). It transmits those messages by using **HTTP**, as described in [\[RFC2616\]](#), or **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:

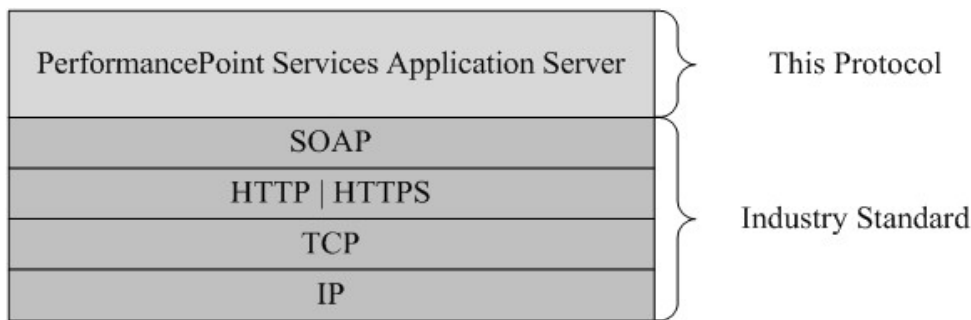


Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) URIs** 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 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 designed for communication between **Web server** and **application server** in a multi-tier configuration where the protocol client is running on the Web server. Due to the complexity of some of the types used in the protocol and the typically large amount of metadata associated with business intelligence platforms, this protocol is designed for use by protocol clients 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 Simple Object Access Protocol (SOAP) messages, as specified 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

Occasionally, instances occur where this web service's WSDL specifies optionality (for example, minOccurs="0" and maxOccurs="1") that conflicts with the stated behavior in this document, or the document doesn't contain the stated behavior. In such cases, where the document and the WSDL conflict, the document takes precedence. In cases where the document doesn't specify optionality, the argument has to be present, even if the WSDL specifies that the argument is optional (for example, minOccurs="0").

In cases where an argument is optional and the WSDL specifies both "minOccurs=0" and "Nillable=true", treat the argument as only "minOccurs=0".

2.1 Transport

Protocol servers **MUST** support SOAP over Hypertext Transfer Protocol (HTTP), Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS), or **TCP**.

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

Protocol messages **MUST** be formatted as specified in either [\[SOAP1.1\]](#) section 4 or [\[SOAP1.2/1\]](#) section 5. Protocol server faults **MUST** be returned by using HTTP status codes, as specified in [\[RFC2616\]](#) section 10, or **SOAP faults**, as specified in [\[SOAP1.1\]](#) section 4.4 or [\[SOAP1.2/1\]](#) section 5.4.

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

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

The protocol client **MUST** transmit the following additional SOAP headers:

Header Namespace	Header Name	Value
PPSMA	WebSiteId	The GUID of the site collection on which the request is being made.
PPSMA	WebSiteAbsoluteUrl	The absolute URL of the site on which the request is being made.

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 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

Prefix	Namespace URI	Reference
xsd	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]
ser	http://schemas.microsoft.com/2003/10/Serialization/	[MS-XSSK]
tns	http://www.microsoft.com/performancepoint/scorecards	[MS-PPSAS]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]
wsam	http://www.w3.org/2007/05/addressing/metadata	[MS-EMMWCF]
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
tns	http://schemas.datacontract.org/2004/07/System	[X400]

2.2.2 Messages

The following table summarizes common WSDL messages defined by this specification.

Message	Description
SOAP fault	The operations defined in section 3.1.4 return a SOAP fault as specified in section 2.2.2.1 .

2.2.2.1 Faults

In the event of an application error, the server returns a SOAP fault as a response to the operation as specified in [\[SOAP1.1\]](#), section 4.4.

2.2.2.1.1 SOAP Fault Detail Element

The protocol client MUST ignore all elements of the SOAP fault, except for the **SOAP fault detail** element.

The SOAP fault detail element MUST contain a **BPMException** ([2.2.4.8](#)).

2.2.2.1.2 Full List of Possible Error Codes

Specified in [\[MS-PPSAS\]](#) section 2.2.2.1.2.

2.2.2.1.3 Common List of Error Codes

Specified in [\[MS-PPSAS\]](#) section 2.2.2.1.3.

2.2.3 Elements

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

2.2.4 Complex Types

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
AliasInfo	Maps a KpiMeasure to a string. Specified in [MS-PPSAS] .
Annotation	Associates a collection of comments to a particular slice of a scorecard . Specified in [MS-PPSAS].
AnnotationComment	A comment for an Annotation . Specified in [MS-PPSAS].
ArrayOfAliasInfo	An array of AliasInfo complex types. Specified in [MS-PPSAS].
ArrayOfAnnotationComment	An array of AnnotationComment elements. Specified in [MS-PPSAS].
ArrayOfArrayOfString	An array of ArrayOfString elements.
ArrayOfBpmProperty	An array of BpmProperty elements. Specified in [MS-PPSAS].
ArrayOfChoice1	An array of property values. Specified in [MS-PPSAS].
ArrayOfComment	An array of comments. Specified in [MS-PPSAS].
ArrayOfDataColumnMapping	An array of DataColumnMapping . Specified in [MS-PPSAS].
ArrayOfDecimal	An array of Decimal . Specified in [MS-PPSAS].
ArrayOfDecompRenderResultLevel	An array of DecompRenderResultLevel . Specified in [MS-PPSDECO] .
ArrayOfDecompRenderResultNode	An array of DecompRenderResultNode . Specified in [MS-PPSDECO].
ArrayOfDefaultDimensionSetting	An array of DefaultDimensionSetting . Specified in [MS-PPSAS].
ArrayOfDimension	An array of dimension elements. Specified in [MS-PPSAS].
ArrayOfEndPoint	An array of connection termination points for a consumer Web Part such as a report view or a scorecard . Specified in [MS-PPSAS].
ArrayOfFirstClassElement	An array of first class objects. Specified in [MS-PPSAS].
ArrayOfGridCell	An array of cells used by a grid view such as the scorecard view. Specified in [MS-PPSAS].
ArrayOfGridDisplayElement	An array of elements for a scorecard cell. Specified in [MS-PPSAS].
ArrayOfGridHeaderItem	An array of headers for a scorecard. Specified in [MS-PPSAS].
ArrayOfGridViewTransformReference	An array of references to a grid view transform. Specified in [MS-PPSAS].
ArrayOfHierarchy	An array of hierarchy values for a dimension. Specified in [MS-

Complex type	Description
	PPSAS].
ArrayOfKpi	An array of KPIs for a scorecard. Specified in [MS-PPSAS].
ArrayOfKpiMeasure	An array of KpiMeasure . Specified in [MS-PPSAS].
ArrayOfLevel	An array of Level complex types. Specified in [MS-PPSAS].
ArrayOfMeasure	An array of Measure complex types. Specified in [MS-PPSAS].
ArrayOfMember	An array of Member complex types. Specified in [MS-PPSAS].
ArrayOfMemberTransform	An array of MemberTransform complex types. Specified in [MS-PPSAS].
ArrayOfNamedSet	An array of NamedSet complex types. Specified in [MS-PPSAS].
ArrayOfNameInfo	An array of NameInfo elements. Specified in [MS-PPSAS].
ArrayOfParameterDefinition	An array of ParameterDefinition complex types. Specified in [MS-PPSAS].
ArrayOfPropertyBag	An array of PropertyBag elements. Specified in [MS-PPSAS].
ArrayOfRepositoryList	Specified in [MS-PPSAS].
ArrayOfRepositoryLocation	Specified in [MS-PPSAS].
ArrayOfScriptDependency	An array of ScriptDependency elements.
ArrayOfSetting	An array of Setting elements.
ArrayOfString	An array of string. Specified in [MS-PPSAS].
ArrayOfSubstitutionPair	An array of SubstitutionPair elements.
ArrayOfTarget	An array of Target complex types. Specified in [MS-PPSAS].
Banding	Represents the Banding settings of the KPI Target . Specified in [MS-PPSAS].
BIData	Contains the data that the provider Web Part passes to the consumer, including the data and the consumer parameter it is applied to.
BpmProperty	The abstract base type for BpmPropertyXXX types. Specified in [MS-PPSAS].
BpmPropertyDate	Defines a Date property. It extends the BpmProperty type. Specified in [MS-PPSAS].
BpmPropertyDecimal	Defines a Decimal property. It extends the BpmProperty type. Specified in [MS-PPSAS].
BpmPropertyText	A Text property. The type extends BpmProperty . Specified in [MS-PPSAS].
BpmPropertyUser	A User property. The type extends BpmProperty . Specified in [MS-PPSAS].

Complex type	Description
CalculatedFormulaInfo	A calculated formula in a KpiMeasure . This type is used to specify calculations as part of a KPI's Calculated Metric. Specified in [MS-PPSAS].
CalculatedMember	Specified in [MS-PPSAS].
Comment	A comment to be associated with a data entity. This class is the base class for AnnotationComment . Specified in [MS-PPSAS].
Cube	The structure of a cube . Specified in [MS-PPSAS].
Dashboard	Defines a dashboard . It specifies the layout and content of the pages in the dashboard and, if the dashboard has been deployed, its deployment location. Specified in [MS-PPSAS].
DataColumnMapping	Dimensional mapping information for a column of data. Specified in [MS-PPSAS].
DataSource	A connection to an external data provider. Specified in [MS-PPSAS].
DataTableMapping	Specifies how data from tabular data sources is mapped to multidimensional data. Specified in [MS-PPSAS].
DecompQueryParameters	Specifies additional settings used when performing a drilldown query on an OLAP data cell.
DecompRenderResultLevel	An ordered list of nodes and count of nodes, where total count includes nodes not returned. Specified in [MS-PPSDECO].
DecompRenderResultNode	The details of a node . Specified in [MS-PPSDECO].
DecompRenderResultRecord	The details and results of a query. Specified in [MS-PPSDECO].
DefaultDimensionSetting	A default set of members in a Dimension . It extends the Dimension type. Specified in [MS-PPSAS].
DependentElementInfo	Specified in [MS-PPSAS].
DictionaryWrapperOfStringGridCell	A collection of ArrayOfGridCells with associated string keys. Specified in [MS-PPSAS].
DictionaryWrapperOfStringListOfString	A collection of ArrayOfArrayOfString values associated with ArrayOfString keys.
DictionaryWrapperOfStringPropertyBag	A collection of ArrayOfPropertyBags with associated string keys. Specified in [MS-PPSAS].
DictionaryWrapperOfStringString	A collection of ArrayOfString values associated with ArrayOfString keys.
Dimension	The structure of a Dimension . Specified in [MS-PPSAS].
Element	This abstract class specifies basic metadata about an item. This class is the base class for FirstClassElement and SecondClassElement . Specified in [MS-PPSAS].
ElementVersion	The version information used to distinguish different instances of a FirstClassElement . Specified in [MS-PPSAS].

Complex type	Description
EndPoint	The receiving end of a connection between a Web Part that provides parameter values such as a filter or a Scorecard , and a Web Part that consumes parameter values, such as a Reportview or a Scorecard . Specified in [MS-PPSAS].
ExportSettings	Configuration settings used when exporting a report or scorecard.
Filter	Specified in [MS-PPSAS].
FirstClassElement	This abstract class represents a first class object that is versionable. This is the base class for Dashboard , DataSource , Scorecard , ReportView , Kpi , and Indicator . Specified in [MS-PPSAS].
GridCell	A single cell used by the Scorecard grid view and the analytic grid view. The following UML class diagram shows the GridCell and its relationship with other classes. Specified in [MS-PPSAS].
GridCellSet	The cells used to represent a Scorecard or analytic grid. The representation is based on a two dimensional array of GridCell elements indexed by objects of type GridHeaderItem . Specified in [MS-PPSAS].
GridColor	The grid color for the GridCell contents. Specified in [MS-PPSAS].
GridDisplayElement	An element in a Scorecard cell. This is a base class for the following complex typesGridDisplayElementNumber , GridDisplayElementIndicator , GridDisplayElementText , GridDisplayElementHyperLink . Specified in [MS-PPSAS].
GridDisplayElementActual	The GridDisplayElement of a KPI's actual value in a Scorecard cell. Inherits from the GridDisplayElementNumber . Specified in [MS-PPSAS].
GridDisplayElementAggregation	The GridDisplayElement of an aggregated value in a Scorecard cell. Inherits from the GridDisplayElementNumber . Specified in [MS-PPSAS].
GridDisplayElementHyperLink	The GridDisplayElement of a KPI's hyperlink property in a cell. Inherits from the GridDisplayElement . Specified in [MS-PPSAS].
GridDisplayElementIndicator	The image of an indicator for the GridDisplayElement in a Scorecard cell. Inherits from the GridDisplayElement . Specified in [MS-PPSAS].
GridDisplayElementIndicatorText	The descriptive name of an indicator for the GridDisplayElement in a Scorecard cell. Descriptive name of the IndicatorBand is the ToolTip property of the IndicatorBand . Specified in [MS-PPSAS].
GridDisplayElementNumber	A numeric GridDisplayElement in a Scorecard cell. This is a base class for the following complex types: <ul style="list-style-type: none"> ▪ GridDisplayElementsActual

Complex type	Description
	<ul style="list-style-type: none"> ▪ GridDisplayElementTarget ▪ GridDisplayElementScore ▪ GridDisplayElementVariance Specified in [MS-PPSAS].
GridDisplayElementScore	The GridDisplayElement of the KPI target's score in a Scorecard cell. Inherits from the GridDisplayElementNumber . Specified in [MS-PPSAS].
GridDisplayElementTarget	The GridDisplayElement of a KPI's target value in a Scorecard cell. Inherits from the GridDisplayElementNumber . Specified in [MS-PPSAS].
GridDisplayElementText	The GridDisplayElement of a text value in a Scorecard cell. Inherits from the GridDisplayElement . Specified in [MS-PPSAS].
GridDisplayElementVariance	The GridDisplayElement of a KPI target's variance value in a Scorecard cell. Inherits from the GridDisplayElementNumber . Specified in [MS-PPSAS].
GridFontInfo	The font display options for the GridCell contents. Specified in [MS-PPSAS].
GridFormatInfo	The display format settings for the GridCell contents. Specified in [MS-PPSAS].
GridHeaderItem	The header that represents a row or a column node in a Scorecard . Specified in [MS-PPSAS].
GridIndicatorSettings	The settings for the Indicator in the Target field. Specified in [MS-PPSAS].
GridScoreSettings	The settings for the score in the Target field. Specified in [MS-PPSAS].
GridTargetSettings	The display settings for the Target column. Specified in [MS-PPSAS].
GridVarianceSettings	The settings for the variance in the Target column. Specified in [MS-PPSAS].
GridViewData	The data structure that represents the Scorecard view. Specified in [MS-PPSAS].
GridViewDefinition	The definition of a grid-based scorecard view. Specified in [MS-PPSAS].
GridViewTransformReference	One transform operation to be applied to a GridViewData instance. Specified in [MS-PPSAS].
Hierarchy	A hierarchy in an OLAP structure. Specified in [MS-PPSAS].
Kpi	A KPI is contained in a Scorecard . Specified in [MS-PPSAS].
KpiMeasure	A KPI measure is contained in a KPI . Specified in [MS-PPSAS].

Complex type	Description
KpiNumberFormatProperties	Used for custom formatting of KPI measure values. Specified in [MS-PPSAS].
Level	An OLAP Level in a hierarchy. This type extends NameInfo . Specified in [MS-PPSAS].
Measure	An OLAP measure. This type extends NameInfo . Specified in [MS-PPSAS].
Member	An OLAP member in a dimension. Specified in [MS-PPSAS].
MemberOperation	<p>The basic member operations that can be performed on an OLAP dimension member. MemberOperation abstract type is the base class for the following:</p> <ul style="list-style-type: none"> ▪ MemberOperationAllDescendants ▪ MemberOperationChildren ▪ MemberOperationDescendants ▪ MemberOperationDrillUp ▪ MemberOperationHide ▪ MemberOperationLeafDescendants <p>Specified in [MS-PPSAS].</p>
MemberOperationDrillup	A MemberOperation that represents the parent of a referred member. This type extends MemberOperation . Specified in [MS-PPSAS].
MemberOperationHide	A MemberOperation that hides a referred member. This type extends MemberOperation . Specified in [MS-PPSAS].
MemberOperationLeafDescendants	A MemberOperation that represents all descendants of a referred member that are also leaf members in the dimension hierarchy. This type extends MemberOperation . Specified in [MS-PPSAS].
MemberOperationAllDescendants	A MemberOperation that represents all descendants of a referred member in the dimension hierarchy. This type extends MemberOperation . Specified in [MS-PPSAS].
MemberOperationChildren	A MemberOperation that represents all child objects of a referred member in a dimension hierarchy. This type extends MemberOperation . Specified in [MS-PPSAS].
MemberOperationDescendants	A MemberOperation that represents all descendants of a referred member at a specified level in the hierarchy. This type extends MemberOperation . Specified in [MS-PPSAS].
MemberTransform	Represents a transform , such as drilldown, applied to a member , hierarchy group or KPI . Specified in [MS-PPSAS].
NamedSet	An OLAP Named Set. Specified in [MS-PPSAS].
NameInfo	Provides base naming information. Specified in [MS-PPSAS].

Complex type	Description
OfficeExportInfo	The export data details used to create and download either Excel [MS-XLSX] or PowerPoint [MS-PPTX] format files.
ParameterDefinition	The non-visual portion of the design time definition of a parameter. This class carries the state necessary to generate a parameter pick list that isn't already defined in a data source. Specified in [MS-PPSAS].
PropertyBag	A pairing of keys and values. Specified in [MS-PPSAS].
ReportView	This type controls the visual display of data in a dashboard and can be coordinated with other Report Views using filters. Specified in [MS-PPSAS].
RepositoryLocation	The location of a FirstClassElement stored on the protocol server. Specified in [MS-PPSAS].
RepositoryList	Specified in [MS-PPSAS].
ResourceDependencies	Resources that are required for rendering a Web Part.
ScriptDependency	A script file that is required for rendering a Web Part.
SecondClassElement	A second class object. This is the base class for ConfiguredView , DashboardElement , and KpiMeasure . Specified in [MS-PPSAS].
Setting	A configuration setting.
SubstitutionPair	A pair of strings for substitution.
Target	The target of a KPI used to measure against actual data. Specified in [MS-PPSAS].
WebPartContext	The current state, inputs, and outputs of a Web Part.
WebPartContextUpdate	Updated Web Part state and input information.

2.2.4.1 ArrayOfArrayOfKeyValueOfstringanyType

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

The ArrayOfArrayOfKeyValueOfstringanyType complex type defines an array of ArrayOfKeyValueOfstringanyType (section [2.2.4.4](#)) complex type.

```
<xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfKeyValueOfstringanyType"
      nillable="true" type="tns:ArrayOfKeyValueOfstringanyType"/>
  </xs:sequence>
</xs:complexType>
```

ArrayOfKeyValueOfstringanyType: This element MUST NOT be null and MUST conform to the schema of the ArrayOfKeyValueOfstringanyType (section [2.2.4.4](#)) complex type.

2.2.4.2 ArrayOfArrayOfString

Namespace: http://www.microsoft.com/performancepoint/scorecards

An array of ArrayOfString (specified in [\[MS-PPSAS\]](#)) elements.

```
<xs:complexType name="ArrayOfArrayOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfString" nillable="true"
      type="tns:ArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

ArrayOfString: This element MUST conform to the schema of the ArrayOfString (specified in [\[MS-PPSAS\]](#)) complex type.

2.2.4.3 ArrayOfBIData

Namespace: http://www.microsoft.com/performancepoint/scorecards

The ArrayOfBIData complex type defines an array of BIData (section [2.2.4.7](#)) complex type.

```
<xs:complexType name="ArrayOfBIData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
      type="tns:BIData"/>
  </xs:sequence>
</xs:complexType>
```

BIData: This element MUST NOT be null and MUST conform to the schema of the BIData (section [2.2.4.7](#)) complex type.

2.2.4.4 ArrayOfKeyValueOfstringanyType

Namespace: http://www.microsoft.com/performancepoint/scorecards

The ArrayOfKeyValueOfstringanyType complex type defines an array of KeyValueOfstringanyType complex type.

```
<xs:complexType name="ArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Key" nillable="true" type="xs:string"/>
          <xs:element name="Value" nillable="true" type="xs:anyType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

KeyValueOfstringanyType: Specifies an array of dictionaries of string keys to anyType values. This element MUST be present and MUST NOT be null.

KeyValueOfstringanyType.Key: Specifies the string key for addressing the values in the dictionary.

KeyValueOfstringanyType.Value: Specifies the anyType value in the dictionary.

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.
- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys.

2.2.4.5 ArrayOfScriptDependency

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

An array of ScriptDependency (section [2.2.4.17](#)) elements.

```
<xs:complexType name="ArrayOfScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ScriptDependency"
      type="tns:ScriptDependency"/>
  </xs:sequence>
</xs:complexType>
```

ScriptDependency: This element MUST conform to the schema of the ScriptDependency (section [2.2.4.17](#)) complex type.

2.2.4.6 ArrayOfSubstitutionPair

Namespace:

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>

An array of SubstitutionPair (section [2.2.4.19](#)) elements.

```
<xs:complexType name="ArrayOfSubstitutionPair">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair" nillable="true"
      type="tns:SubstitutionPair"/>
  </xs:sequence>
</xs:complexType>
```

SubstitutionPair: This element MUST conform to the schema of the SubstitutionPair (section [2.2.4.19](#)) complex type.

2.2.4.7 BIData

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Contains the data that the provider Web Part passes to the consumer, including the data and the consumer parameter it is applied to.


```

<xs:complexType name="BIData">
  <xs:sequence>
    <xs:element minOccurs="0" name="_consumerParameter" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean"/>
    <xs:element minOccurs="0" name="_displayName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_providerValues" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType"/>
    <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

_consumerParameter: Specifies the name of the parameter on the consumer Web Part which MUST receive the data. This element MUST be present and MUST NOT be empty.

_dataValidated: Specifies whether the data contained in _providerValues has been validated. If "true" the data has been validated, otherwise "false". This element MUST be present and MUST NOT be empty.

_displayName: Specifies the key for _providerValues which contains the display name for each provider value in _providerValues. A key with this name MUST be present in the dictionary of each item in _providerValues. This element MUST be present and MUST NOT be empty.

_providerValues: Specifies the ArrayOfArrayOfKeyValueOfstringanyType (section [2.2.4.1](#)) which contains the data being passed from the provider to the consumer. The _providerValues array MUST contain one entry for each value being sent to the consumer, where each entry MUST contain a dictionary of values which MUST contain the following:

- A key equal to the value specified in _displayName, with a corresponding value which MUST be a string which provides the display name for the data value being passed
- A key equal to the value specified in _valuesColumnName, with a corresponding value which MUST be a string which provides the unique identifier for the value being passed

_valuesColumnName: Specifies the key for _providerValues which contains the unique identifier for each provider value in _providerValues. A key with this name MUST be present in the dictionary of each item in _providerValues. This element MUST be present and MUST NOT be empty.

2.2.4.8 BpmException

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

This complex type contains the details of a server alert.

```

<xs:complexType name="BpmException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ApplicationException">
      <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="ErrorCode" type="xs:string"/>
        <xs:element minOccurs="1" maxOccurs="1" name="EventLogged" type="xs:boolean"/>
        <xs:element minOccurs="1" maxOccurs="1" name="Message" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

ErrorCode: Identifies the alert type. MUST be one of the values specified in section [2.2.2.1.2](#).

EventLogged: MUST be true if the alert was logged by the server, false otherwise.

Message: A text description of the alert. The text MUST be included. The text MUST NOT be empty. The text MUST be in the language of the **UI culture** of the session.

2.2.4.9 DecompQueryParameters

Namespace: http://www.microsoft.com/performancepoint/scorecards

The **DecompQueryParameters** complex type specifies additional settings used when performing a drilldown query on an OLAP data cell.

```
<xs:complexType name="DecompQueryParameters">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="SortType" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ClientState" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

SortType: MUST be set to blank when sending and MUST be ignored on receiving.

ClientState: MUST be set to blank when sending and MUST be ignored on receiving.

2.2.4.10 DictionaryWrapperOfStringListOfString

Namespace: http://www.microsoft.com/performancepoint/scorecards

This complex type specifies a collection of ArrayOfArrayOfString (see section [2.2.4.2](#)) values associated with ArrayOfString (specified in [\[MS-PPSAS\]](#)) keys.

```
<xs:complexType name="DictionaryWrapperOfStringListOfString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

Keys: This element MUST conform to the schema of the ArrayOfString (specified in [\[MS-PPSAS\]](#)) complex type.

Values: This element MUST conform to the schema of the ArrayOfArrayOfString (see section [2.2.4.2](#)) complex type.

2.2.4.11 DictionaryWrapperOfStringString

Namespace: http://www.microsoft.com/performancepoint/scorecards

A collection of ArrayOfString (specified in [\[MS-PPSAS\]](#)) values associated with ArrayOfString (specified in [\[MS-PPSAS\]](#)) keys.

```
<xs:complexType name="DictionaryWrapperOfStringString">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="tns:ArrayOfString"/>
  </xs:sequence>
```

</xs:complexType>

Keys: An ArrayOfString (specified in [MS-PPSAS]) where each member of the array serves as a key for addressing the contents of the Values array.

Values: An ArrayOfString (specified in [MS-PPSAS]) containing the values in the dictionary.

The Keys and Values MUST conform to the following:

- The number of items in Keys and the number of items in Values MUST be the same.
- Each item in Values MUST NOT be null.
- Each item in Keys MUST be a unique, non-null string.

Each value in Values MUST have a corresponding key in Keys (that is, for each Values[i], the corresponding key is Keys[i]).

2.2.4.12 ExportSettings

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Specifies configuration settings used when exporting a report or scorecard.

```
<xs:complexType name="ExportSettings">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="WebPartTitle" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="PageTitle" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="ExportFormat" type="tns:ExportFormat"/>
    <xs:element minOccurs="0" maxOccurs="1" name="DashboardLink" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

WebPartTitle: The title of the Web Part.

PageTitle: The title of the page.

ExportFormat: The export data format for a report or a scorecard as specified by **ExportFormat** (see section [2.2.5.1](#)).

DashboardLink: An **absolute URL** used to reference the dashboard containing the report or scorecard to be exported.

2.2.4.13 OfficeExportInfo

Namespace:

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon.Export>

Defines the export data details used to create and download either Excel [\[MS-XLSX\]](#) or PowerPoint [\[MS-PPTX\]](#) format files. The Scorecard, Analytic Grid, and Analytic Chart return only the **ExportData** and **DownloadFileName**.

```
<xs:complexType name="OfficeExportInfo">
  <xs:sequence>
```

```

    <xs:element minOccurs="0" name="_downloadFileName" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="_exportData" nillable="true" type="xs:base64Binary"/>
    <xs:element minOccurs="0" name="_exportUri" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

_downloadFileName: The download export file name minus the file extension name.

_exportData: The Excel [MS-XLSX] or PowerPoint [MS-PPTX] data written to the download file.

_exportUri: The URL to which the office export request is redirected.

2.2.4.14 ParameterMessage

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

ParameterMessage represents the client side browser transmission packet that is passed between proxies in a dashboard.

```

<xs:complexType name="ParameterMessage">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:ParameterDefinition">
      <xs:sequence>
        <xs:element xmlns:q10="http://microsoft.com/wsd1/types/" name="dashboardItemId"
          type="q10:guid"/>
        <xs:element xmlns:q11="http://microsoft.com/wsd1/types/" name="mappingId"
          type="q11:guid"/>
        <xs:element name="values" nillable="true">
          <xs:complexType>
            <xs:sequence>
              <xs:any minOccurs="0" maxOccurs="unbounded"
                namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
              <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
                processContents="lax"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

dashboardItemId: Specifies the identifier of the DashboardItem ([\[MS-PPSAS\]](#) section 2.2.4.83) that emits this ParameterMessage. This element MUST be present and MUST NOT be null.

mappingId: Specifies the identifier of the ParameterMapping ([\[MS-PPSAS\]](#) section 2.2.4.157) instance that governs the current instance. This element MUST be present and MUST NOT be null.

values: Specifies a DataTable object which MUST contain a row for each of the currently selected parameters. The DataTable MUST contain all of the columns as specified by the ParameterDefinition ([\[MS-PPSAS\]](#) section 2.2.4.156). This element MUST be present and MUST NOT be null.

2.2.4.15 ParameterSearchResultRecord

Namespace:

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>

The **ParameterSearchResultRecord** complex type^{[1](#)} contains a string that represents an array of search result nodes and a string which represents an array of ancestor node display captions.

```
<xs:complexType name="ParameterSearchResultRecord">
  <xs:sequence>
    <xs:element name="_ancestors" nillable="true" type="xs:string"/>
    <xs:element name="_resultNodes" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

_ancestors: A JSON [\[RFC4627\]](#) serialized string specifying an array of strings which represent ancestor node display captions.

_resultNodes: A JSON [\[RFC4627\]](#) serialized string specifying an array of objects which represent search result nodes.

2.2.4.16 ResourceDependencies

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Specifies resources that are required for rendering a Web Part.

```
<xs:complexType name="ResourceDependencies">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ExternalCssDependencies"
      type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptDependencies"
      type="tns:ArrayOfScriptDependency"/>
    <xs:element minOccurs="0" maxOccurs="1" name="CustomStartupScript" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

ExternalCssDependencies: An ArrayOfString (specified in [\[MS-PPSAS\]](#)) where each member of the array contains the name of a **cascading style sheet (CSS)** file which is needed for rendering a Web Part.

ScriptDependencies: An ArrayOfScriptDependency (see section [2.2.4.5](#)) where each member of the array contains information about a script file which is needed for rendering a Web Part.

CustomStartupScript: A string containing a script to be executed in the browser when a Web Part is rendered.

2.2.4.17 ScriptDependency

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Specifies a script file that is required for rendering a Web Part.

```
<xs:complexType name="ScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptLocation" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

ScriptLocation: The **relative path** of the script file, or the identifier of the script file when it is embedded as a resource in an **assembly**.

2.2.4.18 Setting

Namespace: http://www.microsoft.com/performancepoint/scorecards

Specifies a configuration setting.

```
<xs:complexType name="Setting">
  <xs:attribute name="Key" type="xs:string"/>
  <xs:attribute name="Type" type="tns:SettingType" use="required"/>
  <xs:attribute name="Value" type="xs:string"/>
  <xs:attribute name="DefaultValue" type="xs:string"/>
</xs:complexType>
```

Key: A unique identifier for the setting. MUST NOT be null or empty. MUST be one of the Key values from the following table:

Key	Description	Type	Minimum	Maximum	Illegal Characters
EnableAnnotation	Allows users to add comments to scorecard cells.	Boolean			
EnableDeletionByAuthor	Allows scorecard to be deleted by author.	Boolean			
MaxAnnotationAllowed	Max number of commented cells per scorecard.	Integer	0	1000000	
FilterRememberUserSelectionsDays	Days to remember user filter selections.	Integer	1	10000	
MaxHoursOfSessionObjects	Hours to keep user navigation history.	Integer	1	48	
MsmQueueEnabled	Send notifications to Microsoft Message Queuing (MSMQ) on content change.	Boolean			
MsmQueueName	Queue name of the Microsoft Messaging Queue.	String	0	380 chars	\+ , "

Key	Description	Type	Minimum	Maximum	Illegal Characters
					\n \r
SdLargeRowLimit	Maximum number of rows to retrieve for show details.	Integer	1	1000000	
SdSmallRowLimit	Initial number of rows to retrieve for show details.	Integer	1	100000	
SdLargeEnableLimit	Enable SdLargeRowLimit. If set to False, Analysis Services controls limit.	Boolean			
SelectMeasureMaximum	Maximum number of measures to show in a dashboard Select Measure control.	Integer	0	1000000	
DecompositionTreeMaximum	Set the maximum number of items (per level) returned to the decomposition tree visualization.	Integer	0	1000000	
EnableAnalyticQueryLogging	Verbose logging of query events.	Boolean			
IndicatorImageCacheTime	Seconds to cache KPI icons.	Integer	1	3600	
DataSourceQueryTimeout	Seconds to time-out for a data source query.	Integer	1	3600	
TreeViewControlMaxNumRecordsToRender	Maximum number of records to show in filter	Integer	1	100000	
DataSourceTrustedLocationsRestricted	When switched on, only trust specified	Boolean			

Key	Description	Type	Minimum	Maximum	Illegal Characters
	locations. Default is to trust all Data Source locations.				
WorkspaceTrustedLocationsRestricted	When switched on, only trust specified locations. Default is to trust all Content locations.	Boolean			
SharedIdentityUsername	The username that that service application is using as the unattended service account. (read only)	String	0	268435455 chars	
ApplicationProxyCacheEnabled	Enable or disable rendered output cache on the front-end Web server.	Boolean			
ApplicationCacheEnabled	Enable or disable rendered output cache on the application server.	Boolean			
ApplicationCacheMinimumHitCount	Set the minimum number of times rendered output MUST be requested before it is added to cache.	Integer	0	1000	
SpFcoCacheTimeout	Set the first class object cache expiration time.	Integer	0	3600	
AnalyticQueryCellMax	Sets a maximum number of returned cells in an analytic grid.	Integer	1	1000000000	

Key	Description	Type	Minimum	Maximum	Illegal Characters
AnalyticResultCacheMinimumHitCount	Set the minimum number of times an analytic result set MUST be requested before it is added to cache.	Integer	0	1000	

Type: The type of the setting value. MUST be a value specified in section [2.2.5.2](#).

Value: A value for the setting. MUST NOT be null.

DefaultValue: A default value for the setting.

2.2.4.19 SubstitutionPair

Namespace:

<http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon>

Specifies a pair of strings for substitution.

```
<xs:complexType name="SubstitutionPair">
  <xs:sequence>
    <xs:element name="_x003C_Token_x003E_k__BackingField" nillable="true" type="xs:string"/>
    <xs:element name="_x003C_Value_x003E_k__BackingField" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

_x003C_Token_x003E_k__BackingField: A string that identifies a pattern to be replaced.

_x003C_Value_x003E_k__BackingField: A string that replaces the token.

2.2.4.20 WebPartContext

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Specifies the current state, inputs, and outputs of a Web Part.

```
<xs:complexType name="WebPartContext">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ClientViewState"
      type="tns:DictionaryWrapperOfStringString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="InUseProviderParameterNames"
      type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ProviderParameterSelections"
      type="tns:DictionaryWrapperOfStringListOfString"/>
  </xs:sequence>
</xs:complexType>
```

ClientViewState: Specifies the **DictionaryWrapperOfStringString** (section [2.2.4.11](#)) that contains the current state of the web part's view. This element **MUST** be present.

InUseProviderParameterNames: Specifies an array of begin points on a web part that are connected to an endpoint. This element **MUST** be present.

ProviderParameterSelections: Specifies the **DictionaryWrapperOfStringListOfString** (section [2.2.4.10](#)) that contains the currently selected parameter values. This element **MUST** be present.

2.2.4.21 WebPartContextUpdate

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Specifies updated Web Part state and input information.

```
<xs:complexType name="WebPartContextUpdate">
  <xs:sequence>
    <xs:element name="_clientViewStateWrapper" nillable="true"
      type="tns:DictionaryWrapperOfStringString"/>
    <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"/>
  </xs:sequence>
</xs:complexType>
```

_clientViewStateWrapper: Specifies the **DictionaryWrapperOfStringString** (section [2.2.4.11](#)) that contains the current state of the view of the Web Part. This element **MUST** be present and **MUST NOT** be null.

_legacyFilterSelections: Specifies the **ArrayOfBIData** (section [2.2.4.3](#)) which contains the selections of any connected Web Part providers which are neither **filters** nor scorecards. This element **MUST** be present and **MUST NOT** be null.

2.2.4.22 DictionaryWrapperOfStringArrayOfString

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

The **DictionaryWrapperOfstringArrayOfString** type specifies a collection of **ArrayOfArrayOfstring** values (section [2.2.4.2](#)) with associated string keys.

```
<xs:complexType name="DictionaryWrapperOfStringArrayOfString">
  <xs:sequence>
    <xs:element name="keys" nillable="true" type="tns:ArrayOfString"/>
    <xs:element name="values" nillable="true" type="tns:ArrayOfArrayOfString"/>
  </xs:sequence>
</xs:complexType>
```

keys: An **ArrayOfString** (specified in [\[MS-PPSAS\]](#)) where each member of the array serves as a key for addressing the contents of the Values array.

values: An array of **ArrayOfArrayOfString** (section [2.2.4.2](#)).

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
AggregateTypeEnum	The method by which a KpiMeasure is aggregated. Specified in [MS-PPSAS] .
AnnotationVersions	The product version that was used to create the annotation . Specified in [MS-PPSAS] .
BandType	The type of the banding for the Target. Specified in [MS-PPSAS] .
BeginPointEmitterType	The type of information the parameter emits. Specified in [MS-PPSAS] .
ConnectionContext	The identity that is used to connect to the data source. Specified in [MS-PPSAS] .
DataValuePosition	The display positioning for a data value. Specified in [MS-PPSAS] .
DateAggregationTypes	A enumeration of time intervals. Specified in [MS-PPSAS] .
DimensionTypeEnum	The type of information in a dimension . Specified in [MS-PPSAS] .
EndPointCategory	Used by the Dashboard Designer to sort and filter EndPoints when connecting provider Web Parts to consumer Web Parts on the Dashboard. Specified in [MS-PPSAS] .
ExportFormat	The export data format for a report or a scorecard.
FactAggregations	The type of aggregation to be performed on a numeric fact column in a tabular data set. The values are exclusive; that is, exactly one MUST be present in any field that uses this type. Specified in [MS-PPSAS] .
FCOContentType	The type of a First Class Object (FCO). Specified in [MS-PPSAS] .
FilterSelectionMode	Specifies the manner in which the items in a Filter can be selected. Specified in [MS-PPSAS] .
FirstClassObjectType	The type of a First Class Object (FCO). Specified in [MS-PPSAS] .
FormatNegativeSymbol	The formatting pattern for negative numbers when custom formatting is used. Positive values are not affected. See KpiNumberFormatProperties . Specified in [MS-PPSAS] .
FormatType	The formatting pattern for numeric values. Specified in [MS-PPSAS] .
GridCellElementStatus	The status of a display element of a scorecard cell. Specified in [MS-PPSAS] .
HeaderAggregationTypes	The type of aggregation used by the Scorecard. Specified in [MS-PPSAS] .
HierarchyOrigin	The overall structure of a hierarchy. Specified in [MS-PPSAS] .
HorizontalAlignments	Specifies how an object or text in a control is horizontally aligned relative to the control element. Specified in [MS-PPSAS] .
IndicatorPosition	The position of the indicator within the target value cell. Specified in [MS-PPSAS] .
IndicatorType	Specifies how the indicator bands change in according to the values change. Specified in [MS-PPSAS] .

Simple type	Description
KpiPattern	Specifies how Banding and scoring change in appearance according to the setting of the KPI pattern. Specified in [MS-PPSAS].
MappedColumnDataTypes	The data type of the mapped columns in DataColumnMapping. Specified in [MS-PPSAS].
MappedColumnTypes	The classification of a mapped column in DataColumnMapping. Specified in [MS-PPSAS].
MemberRelationship	The relationship among dimension members. Member relationships are used in the context of a referred member. Specified in [MS-PPSAS].
MemberTransformOperation	The transform action that the MemberTransform uses. Specified in [MS-PPSAS].
MemberTransformType	The classification of the MemberTransform. Specified in [MS-PPSAS].
MemberType	The type represented by the member object. Specified in [MS-PPSAS].
QueryTransformMembersType	The type of query transform. Specified in [MS-PPSAS].
RollupTypes	The types of rollup behavior that can be exhibited by a target column in a scorecard. Specified in [MS-PPSAS].
ScorecardEmptyRowsFilterMode	Specifies whether to display scorecard rows with empty cells. A scorecard GridCell is considered empty if DisplayElements does not contain any GridDisplayElements with a Status of 0. Specified in [MS-PPSAS].
ScorecardNamedSetType	Specifies how to define a set of dimension members . It is used by GridHeaderItem when the attribute HeaderType is set to "NamedSet". Specified in [MS-PPSAS].
ScorecardNodeTypes	The type of scorecard node header. This is used in the GridHeaderItem . Specified in [MS-PPSAS].
ScoreTypes	The type of score to be used when rolling up the target column in a scorecard. Specified in [MS-PPSAS].
SettingType	Specifies how to interpret setting values when they are presented as strings.
Trinary	An enumeration type that has three possible values. Specified in [MS-PPSAS].
ValueSources	Specifies how to compute rollup values. The enumeration determines how to compute values for parent scorecard row items from the values of child scorecard row items within the same scorecard column. Specified in [MS-PPSAS].
VarianceDisplayType	Specifies how a variance is presented. Specified in [MS-PPSAS].
VarianceType	Specifies how a variance is calculated. Specified in [MS-PPSAS].
VerticalAlignments	Specifies a vertical alignment of content within a grid cell or display element. Specified in [MS-PPSAS].

2.2.5.1 ExportFormat

Namespace: http://www.microsoft.com/performancepoint/scorecards

Specifies the export data format for a report or a scorecard.

```
<xs:simpleType name="ExportFormat">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Excel"/>
    <xs:enumeration value="PowerPoint"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for ExportFormat:

Value	Meaning
Excel	Export data formatted as specified in [MS-XLSX] .
PowerPoint	Export data formatted as specified in [MS-PPTX] .

2.2.5.2 SettingType

Namespace: http://www.microsoft.com/performancepoint/scorecards

Specifies how to interpret setting values when they are presented as strings.

```
<xs:simpleType name="SettingType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="String"/>
    <xs:enumeration value="Boolean"/>
    <xs:enumeration value="Integer"/>
  </xs:restriction>
</xs:simpleType>
```

The following table specifies the allowable values for SettingType:

Value	Meaning
String	The setting value is a string.
Boolean	The setting value is a Boolean.
Integer	The setting value is a numeric integer.

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.

2.2.9 Common Data Structures

This specification does not define any common XML schema data structures.

3 Protocol Details

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

Occasionally, instances occur where this web service's WSDL specifies optionality (for example, `minOccurs="0"` and `maxOccurs="1"`) that conflicts with the stated behavior in this document, or the document doesn't contain the stated behavior. In such cases, where the document and the WSDL conflict, the document takes precedence. In cases where the document doesn't specify optionality, the argument has to be present, even if the WSDL specifies that the argument is optional (for example, `minOccurs="0"`).

In cases where an argument is optional and the WSDL specifies both `"minOccurs=0"` and `"Nillable=true"`, treat the argument as only `"minOccurs=0"`.

3.1 Server Details

The Application Server interface is called by a protocol client running on a Web server. Each operation in the interface is stateless, so it can be called without any other operation being called before it.

This protocol supports the operations specified in [\[MS-PPSAS\]](#), and [\[MS-PPSDECO\]](#), and allows the Web server and application server to run on separate tiers in a multi-tier deployment.

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.

The protocol server maintains a collection of **FirstClassElement** (see [\[MS-PPSAS\]](#)) objects indexed by unique repository locations. Each first-class element can be independently published to and read from the server. Each first-class element references its dependents by their unique repository locations. The following UML diagram describes how the **FirstClassElement** objects are related:

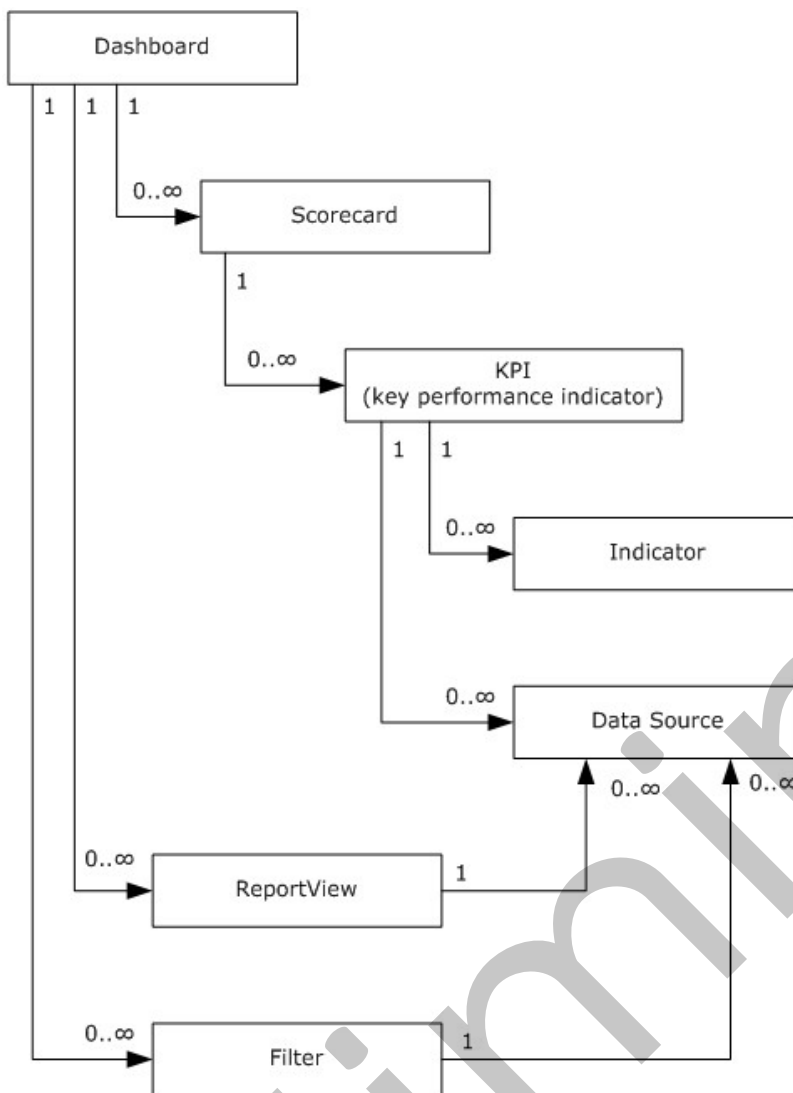


Figure 2: Overview of first-class elements

A first-class element's dependents must be published prior to that first-class element being consumed on the server. For example, all the first-class elements that a dashboard is dependent on must be published prior to that dashboard being deployed or viewed.

The following classes are defined as first-class elements:

Dashboard: A customizable landing page for a business application or workspace that uses Web Parts to display selected information. It can provide a comprehensive look at the information inside the application or workspace by consolidating lists (1), libraries, text, images and other data into a dynamic, customizable information portal.

Each Web Part on a dashboard displays the information specified by a single first-class element.

The Filters, Reports, and Scorecards in a Dashboard can be connected together so that changes in the state of one first-class element will change the information displayed by other first-class

elements. For example, a Filter can be connected to Report Views or Scorecards so that changes to the selections made in the Filter are reflected in the information shown by those Report Views and Scorecards.

When Filters, Reports, and Scorecards are connected in a Dashboard, each connection has an explicit source and a destination. State information in a dashboard always flows from a connection source or begin point in one first-class element to a connection destination or endpoint in another first-class element. Filters, Reports, and Scorecards may each have multiple begin points and endpoints. A connection is fully defined by a source element, a begin point on that element, a destination element and an endpoint on that element. For example, the member name begin point on a Filter could be connected to the row endpoint on a Scorecard.

There are limitations on the way different first-class element can be connected in a Dashboard:

First-class element	Can be a source?	Can be a destination?
Filter	Yes	No
Report View	No	Yes
Scorecard	Yes	Yes

- The connection cannot create a circular reference; a user cannot connect a scorecard to a filter that is already linked to the scorecard.
- A begin point is available if:
 - It is not already connected to another begin point or it is connected but its `AcceptMultipleFilterLinks` property is set to true.
 - It is not already connected to the begin point. If the dashboard item is a scorecard it can accept multiple connections from the same begin point.
- Unless the target item is a scorecard a user cannot make multiple connections from a begin point to a target.
- Although a scorecard can accept multiple connections from the same begin point, those connections cannot be to the same end point on the scorecard. In other words, a user can connect a filter to a scorecard's Row end point and its Column end point, but a user cannot connect a begin point to a scorecard's Row end point twice.

Scorecard: A report type that depicts organizational performance by displaying a collection of key performance indicators (KPIs) together with performance targets for those KPIs. A scorecard can be organized hierarchically.

ReportView: A visual display of data in a dashboard that can be coordinated with other report views by using filters.

Filter: A feature that enables users to modify dashboard views by changing the subset of data that is displayed in reports or scorecards.

KPI (key performance indicator): A predefined measure that is used to track performance of a strategic goal, objective, plan, initiative, or business process. A KPI is evaluated against a target. An explicit and measurable value taken directly from a data source.

Indicator: A set of graphics, text, and colors for defining different levels of performance when comparing an actual value and a target value within a KPI.

DataSource: A reference to a disk, file, document, or other collection of information from which data is taken or moved.

The server also maintains a collection of annotations.

Annotation: One of possibly several notations associated with a comment. Each comment is associated with a single cell in a scorecard and meant to provide related information about the value in that scorecard cell.

3.1.2 Timers

If a request exceeds a query timeout period, the server **MUST** return a SOAP FAULT response, which **MUST** contain the **Query Timeout**<2> ErrorCode as specified in section 2.2.2.1.

3.1.3 Initialization

A connection that uses the underlying protocol layers that are specified in section 1.4 **MUST** be established before using this protocol.

3.1.4 Message Processing Events and Sequencing Rules

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

WSDL operation	Description
CreateAnnotation	Used to create an Annotation on the protocol server. Specified in [MS-PPSAS].
CreateDataSource	Used to create a DataSource on the protocol server. Specified in [MS-PPSAS].
CreateNavigationMetadata	This operation is used to generate a JavaScript representation of hierarchical cube metadata for a given report data source .
CreateReportHtml	This operation is used to generate an HTML fragment and associated JavaScript for a given list item .
DecompAutoExpand	Used to get additional node data for a specific node, where named actions are not known.
DecompCreateNavigationList	Returns a list of named actions for use with the navigationItemUniqueName element of the Expand operation. Specified in [MS-PPSDECO] (see CreateNavigationList).
DecompExpand	Gets additional node data for a specific node, using a named action.
DecompGetMemberProperties	Returns properties associated with a specified node. Specified in [MS-PPSDECO] (see GetMemberProperties).
DecompStartAnalyze	This operation is used to perform a drilldown query on an OLAP data cell.
DeleteAnnotation	Deletes an Annotation from the protocol server. Specified in [MS-PPSAS].

WSDL operation	Description
DeleteDataSource	Deletes a DataSource from the protocol server. Specified in [MS-PPSAS].
ExportReport	Retrieves a report formatted as specified in [MS-XLSX] from the protocol server.
ExportScorecard	Retrieves a report formatted as specified in [MS-PPTX] from the protocol server.
GenerateView	Generates the data structure that represents a scorecard grid view based on information stored on the server. Specified in [MS-PPSAS].
GenerateViewDirect	Generates the data structure that represents a scorecard grid view using information sent from the client. Specified in [MS-PPSAS].
GetAllAnnotationsByScorecardLocation	Retrieves an array of Annotation elements associated with a scorecard. Specified in [MS-PPSAS].
GetAnalyticReportView	Retrieves a report view from the protocol server that has been created through SaveTemporaryAnalyticReport or CreateReportView . Specified in [MS-PPSAS].
GetAnnotation	Retrieves an annotation associated with a scorecard cell from the protocol server. Specified in [MS-PPSAS].
GetAnnotationByID	Retrieves an annotation from a specified GUID from the protocol server. Specified in [MS-PPSAS].
GetAnnotationSetting	Retrieves an AnnotationSetting object that contains the annotation settings for the protocol server. Specified in [MS-PPSAS].
GetAsKpis	Takes in an Analysis Services data source along with a server-relative URL to the KPI list and returns a collection of KPIs as defined in ArrayOfKpi. Specified in [MS-PPSAS].
GetCube	Takes in a RepositoryLocation object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeFromDataSource	Takes in a data source object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeMetaData	Takes in an Analysis Services RepositoryLocation object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeMetaDataForDataSource	Takes in an Analysis Services data source object and returns the associated Cube object. Specified in [MS-PPSAS].
GetCubeNameInfos	Retrieves an ArrayOfNameInfo that describes the cubes of the data source. Specified in [MS-PPSAS].
GetDatabaseNamesFromDataSource	Retrieves an array of database names associated with the data source. Specified in [MS-PPSAS].

WSDL operation	Description
GetDataSource	Retrieves a data source. Specified in [MS-PPSAS].
GetDependentElements	Retrieves from the server all FirstClassElements associated with a list of repository locations. Specified in [MS-PPSAS].
GetDimensions	Retrieves an array of dimension objects. Specified in [MS-PPSAS].
GetDimensionsFromDataSource	Retrieves an array of dimension objects. Specified in [MS-PPSAS].
GetDrillThroughPreview	Used to perform a drill through query on an Analysis Services data cell.
GetFilterDependencies	Retrieves the required external dependencies for rendering a filter.
GetFilterDisplayData	Retrieves a data table of filter display data from the protocol server.
GetKpisFromScorecard	Retrieves an array of Kpi objects associated with a scorecard. Specified in [MS-PPSAS].
GetLatestAnalyticReportVersion	Retrieves from the protocol server the version number for a report view that has been created through SaveTemporaryAnalyticReport . Specified in [MS-PPSAS].
GetListItems	Retrieves all FirstClassElements associated with a given repository list from the server. Specified in [MS-PPSAS].
GetMdx	Retrieves an MDX expression that can be used to query data sources for the given analytic report. Analytic Chart and Analytic Grid report view types contain custom data that is used to generate MDX queries. Specified in [MS-PPSAS].
GetParameterDisplayData	Builds a template DataTable (empty DataTable) containing all the columns produced by a specific parameter type. The referred parameter represents a specific kind of connection between two Web Parts. The resulting DataTable represents an empty sample of the information that gets passed on that connection. Specified in [MS-PPSAS].
GetParameterMessageData	This operation retrieves a DataTable containing all of the selected values of a parameter.
GetPreviewDataSet	Retrieves a data set from a data source, which is suitable for previewing results. Specified in [MS-PPSAS].
GetQueryResultMembers	Retrieves an array of members associated with the specified report. Specified in [MS-PPSAS].
GetRegisteredCustomFCOs	Retrieves custom First Class Object (FCO) definitions registered on the server. Specified in [MS-PPSAS].

WSDL operation	Description
GetRenderControlPreview	Used when a control is HTML rendered directly to the report preview page that is render within the report designer. The report control preview rendering has its own enabled feature set. Additionally, the report control preview does not accept parameters from Web Part connections.
GetReportDependencies	Retrieves the required external dependencies for rendering a report.
GetReportViewImageData	Retrieves a report control image data. An analytic chart report is an example where its chart view image data is retrieved.
GetScorecardDependencies	Retrieves the required external dependencies for rendering a scorecard.
GetSetting	Retrieves a configuration setting.
GetSettings	Retrieves all configuration settings.
GetSettingValue	Retrieves the current value of a configuration setting.
GetStrategyMapReportView	This operation retrieves a report view from the server that has been created through SaveTemporaryStrategyMapReport .
MaintenanceJob	This operation is used to start maintenance tasks, such as database cleanup jobs.
QueryChildMembers	Uses a data source for the specified member and returns a collection of members. Specified in [MS-PPSAS].
QueryChildMembersByRangeFromDataSource	Queries the DataSource and returns a collection of child members. Specified in [MS-PPSAS].
QueryChildMembersFromDataSource	Uses the data source to retrieve a collection of child members for the specified member name. Specified in [MS-PPSAS].
QueryDimensionRootMembers	Uses a data source from the repository location for the specified member and returns a collection of root members. Specified in [MS-PPSAS].
QueryDimensionRootMembersFromDataSource	Uses the data source to retrieve a collection of root members for the specified member name. Specified in [MS-PPSAS].
QueryNamedSets	Retrieves the named sets that are defined by a data source when given the RepositoryLocation of the data source. Specified in [MS-PPSAS].
QueryNamedSetsFromDataSource	Retrieves the named sets that are defined by the given data source. Specified in [MS-PPSAS].
QueryRelatedMember	Retrieves a member that is related to the specified member by the specified relationship from the data source at the given RepositoryLocation . Specified in [MS-PPSAS].

WSDL operation	Description
QueryRelatedMemberFromDataSource	Queries the given data source for the member that is related to the specified member by the specified relationship. Specified in [MS-PPSAS].
QueryTimeIntelligence	Queries a data source location for the members that are specified by a time intelligence formula. Specified in [MS-PPSAS].
QueryTimeIntelligenceDirect	Queries a data source location for the members that are specified by a time intelligence formula. Specified in [MS-PPSAS].
QueryTransformMembers	Transforms a collection of members into a new set of member collection based on the operation passed on the transformation type parameter. Specified in [MS-PPSAS].
RenderFilter	Generates HTML HTML for a specific filter stored on the protocol server. The protocol client specifies which filter is to be rendered, and other parameters that affect the result's HTML content.
RenderReport	Generates HTML markup for a specific report stored on the protocol server. The protocol client specifies which report is to be rendered, and other parameters that affect the result's HTML content.
RenderScorecard	Generates HTML markup for a specific scorecard stored on the protocol server. The protocol client specifies which scorecard is to be rendered, and other parameters that affect the result's HTML content.
RenderScorecardAjaxControl	This operation generates scorecard Web control HTML markup for a specific list item stored on the protocol server.
RenderTreeMemberSelector	This method is deprecated from the protocol and SHOULD NOT <3> be used.
ReportSupportsExportFormat	Determines whether a report supports the specified export format
SaveFilterValues	Saves the state of the selections made for a given filter.
SaveTemporaryAnalyticReport	Stores a temporary copy of a report view to the server. Specified in [MS-PPSAS].
SaveTemporaryStrategyMapReport	This operation stores a temporary copy of a report view to the server.
ScorecardSupportsExportFormat	Determines whether a scorecard supports the specified export format.
TestConnection	Determines whether a connection as specified by the dataSource element can be established. Specified in [MS-PPSAS].
TrimAnnotationByOwner	Removes all the annotations that are owned by a specific user. Specified in [MS-PPSAS].

WSDL operation	Description
TrimAnnotationByScorecardLocation	Removes all the annotations that belong to a scorecard at a specific location. Specified in [MS-PPSAS].
TrimAnnotationUntouchedSince	Removes all the annotations that haven't been updated since the specified date. Specified in [MS-PPSAS].
UpdateAnnotation	Updates an existing Annotation. Specified in [MS-PPSAS].
UpdateDataSource	Updates an existing DataSource. Specified in [MS-PPSAS].
UpdateSettingValue	Modifies the current value of a configuration setting.
ValidateKpi	Determines whether a KPI stored on the server is valid. Specified in [MS-PPSAS].
ValidateScorecard	Determines whether a scorecard stored on the server is valid. Specified in [MS-PPSAS].
ValidateSiteCollection	Determines whether context site has the protocol server feature installed.

3.1.4.1 CreateNavigationMetadata

This operation is used to generate a JavaScript representation of hierarchical cube metadata for a given report data source.

```

<wsdl:operation name="CreateNavigationMetadata">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadata"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataResponse"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends a **CreateNavigationMetadataSoapIn** request message and the protocol server responds with a **CreateNavigationMetadataSoapOut** response message.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP FAULT response, which MAY contain any subcode.

3.1.4.1.1 Messages

The following **WSDL message** definitions are specific to this operation.

3.1.4.1.1.1

IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage

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

The **SOAP action** value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateNavigationMetadata
```

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

3.1.4.1.1.2

IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage

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

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

3.1.4.1.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.1.2.1 CreateNavigationMetadata

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

```
<xs:element name="CreateNavigationMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="metadataContextId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="metadataAction" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

targetControlId: String that identifies the control the navigation is being created for.

targetControlType: SHOULD be "OlapMetadata", MUST NOT be NULL and MUST NOT be empty.

olapContextId: The name of the client-side OLAP context object variable.

metadataContextId: The name of the client-side view context object variable.

reportLocation: The location of a **ReportView** as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). It MUST be present. The **TypeName** attribute of the **ReportView** at the location specified MUST be "AnalyticChart" or "OLAPGrid".

metadataAction: SHOULD be **<Action type="GetCubeMetadata"></Action>**.

3.1.4.1.2.2 CreateNavigationMetadataResponse

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

```
<xs:element name="CreateNavigationMetadataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CreateNavigationMetadataResult"
        type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

CreateNavigationMetadataResult: A string value that is the script that fulfills the metadata request. For example, if the request is for cube metadata, the script returned would instantiate objects that would define the dimensions, hierarchies, and levels for the cube.

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 CreateReportHtml

This operation is used to generate an HTML fragment and associated JavaScript for a given list item.

```
<wsdl:operation name="CreateReportHtml">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml"
    message="tns:IBIMonitoringServiceApplication_CreateReportHtml_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtmlResponse"
    message="tns:IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtmlBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage"
  />
```

</wsdl:operation>

The protocol client sends a **CreateReportHtmlSoapIn** request message and the protocol server responds with a **CreateReportHtmlSoapOut** response message.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP fault response, which MAY contain any subcode.

3.1.4.2.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.2.1.1 IBIMonitoringServiceApplication_CreateReportHtml_InputMessage

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

The SOAP action value is:

`http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml`

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

3.1.4.2.1.2 IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage

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

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

3.1.4.2.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.2.2.1 CreateReportHtml

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

```
<xs:element name="CreateReportHtml">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="availableHeight" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="availableWidth" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation" type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="inboundParameters" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationAction" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewProps" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

proxyCacheAttempt: Indicates whether to attempt to retrieve the report information from cache.

targetControlId: The identifier of the <Div> element that contains the resulting html.

targetControlType: The name of the report view type to be rendered. **TargetControlType** MUST be the value given for the **TypeName** attribute of the **ReportView** type ([\[MS-PPSAS\]](#)) that was specified when the **ReportView** was created.

olapContextId: The name of the client-side OLAP context object variable.

availableHeight: The available height of the control, as reported by the browser client.

availableWidth: The available width of the control, as reported by the browser client.

reportLocation: The report location of the report being rendered.

inboundParameters: An array of parameters passed to the control being rendered.

navigationAction: Xml that defines what the command is doing to the report being rendered.

viewProps: Information about the current state of the report.

isAccessibilityMode: Indicates whether the client is in accessibility mode.

3.1.4.2.2.2 CreateReportHtmlResponse

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

```
<xs:element name="CreateReportHtmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheKey" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheSubs"
type="tns:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="html" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="script" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

proxyCacheKey: Specifies the cache key associated with the rendered scorecard. It MUST NOT be null. The empty value means the result was not cached.

proxyCacheSubs: The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (placeholder name and value for placeholder), as defined in ArrayOfSubstitutionPair (section [2.2.4.6](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

proxyCacheExpiration: Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

html: A string that SHOULD contain an HTML fragment if no errors occurred while retrieving the list item; otherwise, a string that SHOULD contain an error message.

script: If the operation was successful, MUST contain a JavaScript string that defines the report's metadata and user interaction; otherwise, MUST be empty.

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 DecompStartAnalyze

This operation is used to perform a drilldown query on an OLAP data cell.

```
<wsdl:operation name="DecompStartAnalyze">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyze"
    message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyzeResponse"
    message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyzeBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

If successful, this operation returns a non empty **DecompRenderResultRecord** record that contains data for a specific node in the form of a **DecompRenderResultLevel** and a **DecompRenderResultNode**.

3.1.4.3.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.3.1.1 IBIMonitoringServiceApplication_DecomStartAnalyze_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompStartAnalyze
```

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

3.1.4.3.1.2

IBIMonitoringServiceApplication_DecomStartAnalyze_OutputMessage

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

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

3.1.4.3.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.3.2.1 DecompStartAnalyze

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

```
<xs:element name="DecompStartAnalyze">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="type" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="location" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tupleRecord"
type="tns:DecompTupleRecord"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewState" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

type: Specifies the data source type. This element MUST be set to "olap", which means the **OLAP** type.

location: Specifies the First Class Object (FCO) location. This element MUST be a string identifying a session state known to the protocol server. It MUST NOT be null and MUST NOT be empty.

tupleRecord: Specifies named filters to be applied to the response. This element MUST be a **DecompTupleRecord** value. It MUST NOT be null.

queryParameters: Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

viewState: This element MAY be empty. If empty, this value is ignored. If non-empty, this value specifies additional information for the query.

3.1.4.3.2.2 DecompStartAnalyzeResponse

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

```
<xs:element name="DecompStartAnalyzeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompStartAnalyzeResult"
        type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

DecompStartAnalyzeResult: A **DecompRenderResultRecord** value.

3.1.4.3.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

3.1.4.3.3.1 DecompTupleRecord

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

Specified in [\[MS-PPSDECO\]](#)

```
<xs:complexType name="DecompTupleRecord">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="RowSelections" type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="ColumnSelections"
      type="tns:ArrayOfString"/>
    <xs:element minOccurs="0" maxOccurs="1" name="BackgroundMeasureName" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

RowSelections: MUST specify 0 or more filter names.

ColumnSelections: MUST specify 0 or more filter names.

BackgroundMeasureName: Specifies the associated **measure** name.

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 ExportReport

Retrieves a report formatted as specified in [\[MS-XLSX\]](#) or [\[MS-PPTX\]](#) from the protocol server.

```
<wsdl:operation name="ExportReport">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReport" message="tns:IBIMonitoringServiceApplication_ExportReport_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReportResponse"
    message="tns:IBIMonitoringServiceApplication_ExportReport_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReportBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_ExportReport_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication_ExportReport_OutputMessage** message as follows:

1. The protocol server receives a **JavaScript Object Notation (JSON)** [\[RFC4627\]](#) serialized string containing ExportSettings (see section [2.2.4.12](#)).
2. The protocol server receives the RepositoryLocation of a ReportView (specified in [\[MS-PPSAS\]](#)).
3. The protocol server receives a **WebPartContext** (see section [2.2.4.20](#)) containing the current context of the Web Part.
4. The protocol server MUST return OfficeExportInfo (see section [2.2.4.13](#)).

3.1.4.4.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.4.1.1 IBIMonitoringServiceApplication_ExportReport_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportReport
```

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

3.1.4.4.1.2 IBIMonitoringServiceApplication_ExportReport_OutputMessage

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

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

3.1.4.4.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.4.2.1 ExportReport

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

```
<xs:element name="ExportReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q16:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

exportSettings: A JSON [\[RFC4627\]](#) serialized string specified by ExportSettings (see section [2.2.4.12](#)) which lists all export settings. This element **MUST** be present.

reportLocation: The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It **MUST** be present.

webPartContext: Specifies the current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

3.1.4.4.2.2 ExportReportResponse

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

```
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportReportResult" nillable="true"
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" type="q17:OfficeExportInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ExportReportResult: The export result as specified by OfficeExportInfo (see section [2.2.4.13](#)).

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 ExportScorecard

Retrieves a report formatted as specified in [\[MS-XLSX\]](#) or [\[MS-PPTX\]](#) from the protocol server.

```
<wsdl:operation name="ExportScorecard">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecard"
    message="tns:IBIMonitoringServiceApplication_ExportScorecard_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecardResponse"
    message="tns:IBIMonitoringServiceApplication_ExportScorecard_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecardBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

IBIMonitoringServiceApplication_ExportScorecard_InputMessage request message and the protocol server responds with an

IBIMonitoringServiceApplication_ExportScorecard_OutputMessage message as follows:

1. The protocol server receives a JavaScript Object Notation (JSON) [\[RFC4627\]](#) serialized string containing ExportSettings (see section [2.2.4.12](#)).
2. The protocol server receives the RepositoryLocation (specified in [\[MS-PPSAS\]](#)) of a Scorecard specified in [\[MS-PPSAS\]](#).
3. The protocol server receives a **WebPartContext** (see section [2.2.4.20](#)) containing the current context of the Web Part.
4. The protocol server MUST return OfficeExportInfo (see section [2.2.4.13](#)).

3.1.4.5.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.5.1.1 IBIMonitoringServiceApplication_ExportScorecard_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ExportScorecard
```

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

3.1.4.5.1.2 IBIMonitoringServiceApplication_ExportScorecard_OutputMessage

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

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

3.1.4.5.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.5.2.1 ExportScorecard

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

```
<xs:element name="ExportScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q18:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

exportSettings: A JSON [RFC4627](#) serialized string specified by ExportSettings (see section [2.2.4.12](#)) which lists all export settings. It MUST be present.

scorecardLocation: The location of a scorecard, as specified by RepositoryLocation (specified in [MS-PPSAS](#)). It MUST be present.

webPartContext: Specifies the current context of the Web Part, as defined in WebPartContext (section [2.2.4.20](#)).

3.1.4.5.2.2 ExportScorecardResponse

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

```
<xs:element name="ExportScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ExportScorecardResult" nillable="true"
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" type="q19:OfficeExportInfo"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ExportScorecardResult: The export result as specified by OfficeExportInfo (see section [2.2.4.13](#)).

3.1.4.5.3 Complex Types

None.

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 GetDrillThroughPreview

This operation is used to perform a drill through query on an OLAP data cell.

```
<wsdl:operation name="GetDrillThroughPreview">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreview"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreviewResponse"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreviewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

This operation executes an OLAP query using the cell definition provided with the *tupleXml* element to return a table of results.

3.1.4.6.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.6.1.1

IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage

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

The SOAP action value is:

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

3.1.4.6.1.2

IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage

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

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

3.1.4.6.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.6.2.1 GetDrillThroughPreview

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

```
<xs:element name="GetDrillThroughPreview">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isScorecard" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="page" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tupleXml" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="resultTableIndex" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isAccessibleMode" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

fcoLocation: The location of the report on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element **MUST** be present.

isScorecard: If "true", specifies that the request originated from a scorecard view.

page: This value can specify one of three things.

1. It can be set to a value specifying which page of data to return with the results. For example, a value of "1" returns the first page of data.
2. It can be set to a value of "0", which returns all of the data.
3. It can be set to "Excel" which exports the data to the format specified in [\[MS-XLSX\]](#). If set to "Excel" the result elements of *officeDocumentBytes* and *documentFileName* return with the exported results. **MUST NOT** be NULL and **MUST NOT** be empty.

tupleXml: Specifies specific named filters to be applied to the results. **MUST NOT** be NULL and **MUST NOT** be empty.

resultTableIndex: Could be empty. If empty, this value is ignored. If not empty, this value indicates that this operation is being used to retrieve a drill through cell level action. This value is

zero based and specifies the index of the drill through action associated with this cell. For example, a value of "0" returns the first drill through cell level action.

isAccessibleMode: Indicates whether the client is in accessibility mode.

3.1.4.6.2.2 GetDrillThroughPreviewResponse

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

```
<xs:element name="GetDrillThroughPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetDrillThroughPreviewResult"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="officeDocumentBytes"
type="xs:base64Binary"/>
      <xs:element minOccurs="0" maxOccurs="1" name="documentFileName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetDrillThroughPreviewResult: The html [\[HTML\]](#) content to be rendered on the client.

title: If the *page* element is NOT set to "Excel", this value is a brief description of the query to be used as a title. If the *page* element is set to "Excel", this value is empty.

officeDocumentBytes: If the *page* element is set to "Excel", this value contains results in the format specified in [\[MS-XLSX\]](#). If the *page* element is not set to "Excel", this value is empty.

documentFileName: If the *page* element is set to "Excel", this value contains the name of the [MS-XLSX] formatted file. If the *page* element is not set to "Excel", this value is null.

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 GetFilterDependencies

This operation retrieves the required external dependencies for rendering a filter.

```
<wsdl:operation name="GetFilterDependencies">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependencies"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesResponse"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependenciesBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** referencing the **Filter** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.16](#)) containing the resources needed for rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.2.1](#).

Exceptions:

ErrorCode	Description
CreateReturnedNull	See section 2.2.2.1.3 for the Common List of Error Codes.
NotAParameterizableControl	See section 2.2.2.1.3 for the Common List of Error Codes.

3.1.4.7.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.7.1.1

IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage

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

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDependencies>

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

3.1.4.7.1.2

IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage

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

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

3.1.4.7.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.7.2.1 **GetFilterDependencies**

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

```
<xs:element name="GetFilterDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

filterLocation: The location of the **Filter** on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element **MUST** be present, and the **ItemUrl** property of this element **MUST NOT** be empty.

3.1.4.7.2.2 **GetFilterDependenciesResponse**

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

```
<xs:element name="GetFilterDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetFilterDependenciesResult: The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.16](#)).

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 GetFilterDisplayData

This operation retrieves a data table of filter display data from the protocol server.

```
<wsdl:operation name="GetFilterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayData"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage request message and the protocol server responds with an IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage message as follows:

1. The protocol server receives the input data for a **GetFilterDisplayData** WSDL operation as specified in section [3.1.4.8.2.1](#).
2. The protocol server creates the DataTable using the Filter ([\[MS-PPSAS\] section 2.2.4.98](#)) data source and **SubTypeId** referenced by **filterLocation**, and the GridViewData ([\[MS-PPSAS\] section 2.2.4.121](#)) referenced by **customData**.

Exceptions:

ErrorCode	Description
FCORReadFailed	See section 2.2.2.1.3 , Common list of Error Codes.
FCORReadFailedListAccess	See section 2.2.2.1.3 , Common list of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.8.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.8.1.1 IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetFilterDisplayData
```

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

3.1.4.8.1.2

IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage

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

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

3.1.4.8.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.8.2.1 GetFilterDisplayData

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

```
<xs:element name="GetFilterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selections" type="tns:ArrayOfString"/>
      <xs:element minOccurs="1" maxOccurs="1" name="useSavedUserSelections"
type="xs:boolean"/>
      <xs:element minOccurs="1" maxOccurs="1" name="selectionsOnly" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="tns:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

filterLocation: A RepositoryLocation as specified in [\[MS-PPSAS\]](#). This MUST be present and contain the location of a **Filter**.

parameterDefinition: Specifies the ParameterDefinition as specified in [MS-PPSAS]. It MUST not be null and the property ParameterProviderId MUST refer to one of the **Filter** parameter data providers registered on the server.

selections: A **List** of the current user selections. This value is optional and has a default value of null.

useSavedUserSelections: If **selections** is empty, this **Boolean** value specifies whether saved user selections MUST be returned.

selectionsOnly: A Boolean value that specifies whether display data MUST be returned solely for **selections**.

webPartContext: Specifies the current context of the Web Part, as defined in WebPartContext (section [2.2.4.20](#)).

3.1.4.8.2.2 GetFilterDisplayDataResponse

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

```
<xs:element name="GetFilterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDisplayDataResult">
        <xs:complexType>
          <xs:sequence>
            <xs:any minOccurs="0" maxOccurs="unbounded"
              namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
              processContents="lax"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetFilterDisplayDataResult: Specifies the contents of a DataTable object representing the requested Filter display data containing all the columns produced by the specific Filter parameter type.

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 GetParameterMessageData

This operation retrieves a DataTable containing all of the selected values of a parameter.

```
<wsdl:operation name="GetParameterMessageData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageData"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage request message and the protocol server responds with an IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage message as follows:

1. The protocol server receives the input data for a GetParameterMessageData WSDL operation as specified in section [3.1.4.9.2.1](#).
2. The protocol server creates a DataTable that contains the columns specified by the parameter type and a row for each selection of the parameter.

Exceptions:

ErrorCode	Description
DataSourceConnectionFailed	See section 2.2.2.1.3 for the common list of error codes.
FCOReadFailed	See section 2.2.2.1.3 for the common list of error codes.
FCOReadFailedListAccess	See section 2.2.2.1.3 for the common list of error codes.
InvalidPermission	See section 2.2.2.1.3 for the common list of error codes.
InvalidPostFormula	See section 2.2.2.1.3 for the common list of error codes.
OperationContextNull	See section 2.2.2.1.3 for the common list of error codes.
ParameterDataProviderNotRegistered	See section 2.2.2.1.3 for the common list of error codes.
PostFormulaResultEmpty	See section 2.2.2.1.3 for the common list of error codes.
Unknown	See section 2.2.2.1.3 for the common list of error codes.

In case of any failure, the **ErrorCode** MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.9.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.9.1.1

IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetParameterMessageData
```

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

3.1.4.9.1.2

IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage

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

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

3.1.4.9.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.9.2.1 GetParameterMessageData

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

```
<xs:element name="GetParameterMessageData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="providerLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="parameterMessage" nillable="true"
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q43:ParameterMessage"/>
      <xs:element minOccurs="0" name="parameterSourceLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="parameterMapping" nillable="true"
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q44:ParameterMapping"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q45:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

providerLocation: The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.162.

parameterMessage: The parameter message as specified by ParameterMessage (section [2.2.4.14](#)). The value MUST NOT be null.

parameterSourceLocation: The parameter provider's data source location as specified in [\[MS-PPSAS\]](#) section 2.2.4.162.

parameterMapping: The mapping between the parameter and the consumer Web Part is specified by **ParameterMapping** ([\[MS-PPSAS\]](#) section 2.2.4.157).

webPartContext: Specifies the current content of the Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

3.1.4.9.2.2 GetParameterMessageDataResponse

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

```
<xs:element name="GetParameterMessageDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetParameterMessageDataResult" nillable="true">
        <xs:complexType>
          <xs:sequence>
            <xs:any minOccurs="0" maxOccurs="unbounded"
              namespace="http://www.w3.org/2001/XMLSchema" processContents="lax"/>
            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
              processContents="lax"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetParameterMessageDataResult: Specifies a DataTable containing all of the selected values of a parameter.

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 GetRemainingParameterDisplayData

The **GetRemainingParameterDisplayData** operation [<4>](#) retrieves an object of type **ParameterGetRemainingResultRecord** (section [3.1.4.10.3.1](#)) that contains the filter's display data values beyond the limit setting imposed by the protocol server. The limit setting is specified by the **TreeViewControlMaxNumRecordsToRender** key in section [2.2.4.18](#).

```
<wsdl:operation name="GetRemainingParameterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayData"
    message="tns:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage** (section [3.1.4.10.1.1](#)) request message and the protocol server responds with an **IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage** (section [3.1.4.10.1.2](#)) message as follows:

1. The protocol server receives the input data for a **GetRemainingParameterDisplayData** WSDL operation as specified in section [3.1.4.10.2.1](#).
2. The protocol server creates the **ParameterGetRemainingResultRecord** (section [2.2.4.98](#)) using the **Filter** ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** ([\[MS-PPSAS\]](#) section 2.2.4.98) referenced by **parameterLocation** (section [3.1.4.10.2.1](#)), and the **WebPartContext** (section [2.2.4.20](#)) referenced by **webPartContext** (section [3.1.4.10.2.1](#)).

The following table lists possible error codes for the **GetRemainingParameterDisplayData** operation.

Error code	Description
FCOReadFailed	See section 2.2.2.1.3 , Common list of Error Codes.
FCOReadFailedListAccess	See section 2.2.2.1.3 , Common list of Error Codes.

If a failure occurs, the error code MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.10.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.10.1.1

IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingParameterDisplayData
```

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

3.1.4.10.1.2

IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage

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

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

3.1.4.10.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.10.2.1 **GetRemainingParameterDisplayData**

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

```
<xs:element name="GetRemainingParameterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q34:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

parameterLocation: The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

webPartContext: The current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

3.1.4.10.2.2 **GetRemainingParameterDisplayDataResponse**

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

```
<xs:element name="GetRemainingParameterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element minOccurs="0" name="GetRemainingParameterDisplayDataResult" nillable="true"
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon" type="q35:ParameterGetRemainingResultRecord"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

GetRemainingParameterDisplayDataResult: A **ParameterGetRemainingResultRecord** value.

3.1.4.10.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

3.1.4.10.3.1 ParameterGetRemainingResultRecord

Namespace:

http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServerCommon

The **ParameterGetRemainingResultRecord** complex type contains a string which represents an array of filter's display data values.

```

<xs:complexType name="ParameterGetRemainingResultRecord">
  <xs:sequence>
    <xs:element name="_members" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

```

_members: A JavaScript Object Notation (JSON) [\[RFC4627\]](#) serialized string specifying an array of objects that represent the member nodes displayed by the tree view control.

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 GetRemainingSearchResults

The **GetRemainingSearchResults** operation [<5>](#) retrieves an object of type **ParameterSearchResultRecord** (section [2.2.4.15](#)) which contains the search result values beyond the limit setting imposed by the protocol server. The limit setting is specified by the **TreeViewControlMaxNumRecordsToRender** key in section [2.2.4.18](#).


```

<wsdl:operation name="GetRemainingSearchResults">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResults"
    message="tns:IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResultsResponse"
    message="tns:IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResultsBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRemainingSearchResults_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an

IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage (section [3.1.4.11.1.1](#)) request message and the protocol server responds with an **IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage** (section [3.1.4.11.1.2](#)) message as follows:

1. The protocol server receives the input data for a **GetRemainingSearchResults** WSDL operation as specified in section [3.1.4.11](#).
2. The protocol server creates the **ParameterSearchResultRecord** using the **Filter** ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** ([\[MS-PPSAS\]](#) section 2.2.4.85) referenced by **parameterLocation** (section [3.1.4.11.2.1](#)), the string referenced by **searchTerm** (section [3.1.4.11.2.1](#)) and the **WebPartContext** (section [2.2.4.20](#)) referenced by **webPartContext** (section [3.1.4.11.2.1](#)).

The following table lists possible error codes for the **GetRemainingSearchResults** operation.

Error code	Description
FCOReadFailed	See section 2.2.2.1.3 , Common list of Error Codes.
FCOReadFailedListAccess	See section 2.2.2.1.3 , Common list of Error Codes.

If a failure occurs, the error code MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.11.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.11.1.1

IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage

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

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRemainingSearchResults

```

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

3.1.4.11.1.2

IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage

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

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

3.1.4.11.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.11.2.1 **GetRemainingSearchResults**

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

```
<xs:element name="GetRemainingSearchResults">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q36:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

parameterLocation: The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

searchTerm: A string representing a word or phrase that will be used to search the parameter's display data.

webPartContext: Specifies the current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

3.1.4.11.2.2 **GetRemainingSearchResultsResponse**

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

```
<xs:element name="GetRemainingSearchResultsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="GetRemainingSearchResultsResult" nillable="true"
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" type="q37:ParameterSearchResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetRemainingSearchResultsResult: A **ParameterSearchResultRecord** (section [2.2.4.15](#)) value.

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 GetRenderControlPreview

This method is used when a control is HTML rendered directly to the report preview page that is render within the report designer. The report control preview rendering has its own enabled feature set. Additionally, the report control preview does not accept parameters from Web Part connections.

```
<wsdl:operation name="GetRenderControlPreview">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetRenderControlPreview"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetRenderControlPreviewResponse"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
    tion/GetRenderControlPreviewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultM
    essage"/>
</wsdl:operation>
```

The protocol client sends a **GetRenderControlPreviewSoapIn** request and the protocol server responds with a **GetRenderControlPreviewSoapOut** message as follows:

1. The protocol client sends a temporary First Class Object (FCO) RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report control to be rendered.
2. Define a set of report control render properties that affect the generated HTML.
3. In the case where a render exception occurs, an HTML error message is the rendered HTML.
4. A report control supports paging data when the results are too large. Paging means the result data is rendered in separate parts. Each part can be request to be rendered.
5. The protocol server sends the corresponding report control rendered HTML.

In the case of a failure other than a render exception, the **ErrorCode** MUST be one of the values specified in [MS-PPSAS].

3.1.4.12.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.12.1.1

IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreview
```

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

3.1.4.12.1.2

IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage

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

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

3.1.4.12.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.12.2.1 GetRenderControlPreview

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

```
<xs:element name="GetRenderControlPreview">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="width" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="height" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="nav" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="isDesigner" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="pageQuery" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

fcoLocation: A RepositoryLocation as specified in [MS-PPSAS] MUST be present.

viewType: The strong **assembly name** of the report control implementation. This is used to create a new web control instance.

width: The width of the report control HTML render HTML markup.

height: The height of the report control HTML render HTML markup.

nav: MUST NOT be used.

isDesigner: The value "true" means the report control is hosted by the report designer and changes the generated HTML.

pageQuery: When the report control supports data result paging, this defines the currently rendered data result.

3.1.4.12.2.2 GetRenderControlPreviewResponse

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

```
<xs:element name="GetRenderControlPreviewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetRenderControlPreviewResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetRenderControlPreviewResult: The report control rendered HTML markup.

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 GetReportDependencies

This operation retrieves the required external dependencies for rendering a report.

```
<wsdl:operation name="GetReportDependencies">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependencies"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_InputMessage"/>
```

```

<wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage"/>
<wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMes
sage"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication_GetReportDependencies_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** (specified in [\[MS-PPSAS\]](#).) referencing the **ReportView** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.16](#)) containing the resources needed for proper rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.2.1](#).

Exceptions:

ErrorCode	Description
CreateReturnedNull	See section 2.2.2.1.3 for the Common List of Error Codes.
NotAParameterizableControl	See section 2.2.2.1.3 for the Common List of Error Codes.

3.1.4.13.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.13.1.1

IBIMonitoringServiceApplication_GetReportDependencies_InputMessage

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

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportDependencies

```

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

3.1.4.13.1.2

IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage

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

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

3.1.4.13.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.13.2.1 GetReportDependencies

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

```
<xs:element name="GetReportDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

reportLocation: The location of the ReportView (specified in [\[MS-PPSAS\]](#)) on the protocol server as specified by RepositoryLocation ([MS-PPSAS]). This element MUST be present, and the ItemUrl property of this element MUST NOT be empty.

3.1.4.13.2.2 GetReportDependenciesResponse

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

```
<xs:element name="GetReportDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetReportDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetReportDependenciesResult: The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.16](#)).

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 GetReportViewImageData

A request to retrieve a report control image data. An analytic chart report is an example where its chart view image data is retrieved.

```
<wsdl:operation name="GetReportViewImageData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageData"
    message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageDataResponse"
    message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetReportViewImageDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage** request and the protocol server responds with an **IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage** message as follows:

1. The protocol client sends a temporary First Class Object (FCO) RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report control to be rendered.
2. The report control view image data cache key.
3. The image height and width.
4. The starting x-axis column and the number of column data to return.
5. In the case where a render exception occurs, an empty view image data is returned.
6. The protocol server sends the corresponding report control view image data.

In case of failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.3](#).

3.1.4.14.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.14.1.1

IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage

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

The SOAP action value is:

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

3.1.4.14.1.2

IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage

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

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

3.1.4.14.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.14.2.1 **GetReportViewImageData**

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

```
<xs:element name="GetReportViewImageData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="externalkey" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="tempFcoLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="1" maxOccurs="1" name="height" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="width" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="colStart" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="colCount" type="xs:int"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

proxyCacheAttempt: Specifies whether the render operation SHOULD use the proxy cache.

externalkey: A unique value combined with the user's identity to identify the generated report.

tempFcoLocation: A temporary First Class Object (FCO) RepositoryLocation as specified in [\[MS-PPSAS\]](#). MUST be present.

height: The height of the report control view image data.

width: The width of the report control view image data.

colStart: The starting x-axis column for the returned report control view image data. This number is zero-based.

colCount: The number of data columns to include in the view image data result.

3.1.4.14.2.2 **GetReportViewImageDataResponse**

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

```

<xs:element name="GetReportViewImageDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="GetReportViewImageDataResult"
type="xs:boolean"/>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime"/>
      <xs:element minOccurs="0" maxOccurs="1" name="mimeType" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="viewHtml" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="bytesImageData" type="xs:base64Binary"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetReportViewImageDataResult: True means the report view image data is defined.

key: A unique value identifying the generated report.

proxyCacheExpiration: Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

mimeType: The report control view image **MIME** type. The value is "image/png" or "text".

viewHtml: The data image is only defined when the MIME type is "text".

bytesImageData: The report view image data as a byte array. This data is defined when the MIME type is not "text".

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 GetScorecardDependencies

This operation retrieves the required external dependencies for rendering a scorecard.

```

<wsdl:operation name="GetScorecardDependencies">

```

```

    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependencies"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage"/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesResponse"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage"/>
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_Fault
Message"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage** response message as follows:

1. The protocol client sends a **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)) referencing the **Scorecard** (specified in [\[MS-PPSAS\]](#)) for which to retrieve the rendering dependencies.
2. The protocol server responds with a **ResourceDependencies** (see section [2.2.4.16](#)) containing the resources needed for proper rendering.
3. If an error occurs, the protocol server MUST return a **FaultException** response as detailed in section [2.2.2.1](#).

Exceptions:

ErrorCode	Description
CreateReturnedNull	See section 2.2.2.1.3 for the Common List of Error Codes.
NotAParameterizableControl	See section 2.2.2.1.3 for the Common List of Error Codes.

3.1.4.15.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.15.1.1

IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetScorecardDependencies
```

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

3.1.4.15.1.2

IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage

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

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

3.1.4.15.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.15.2.1 **GetScorecardDependencies**

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

```
<xs:element name="GetScorecardDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

scorecardLocation: The location of the **Scorecard** (specified in [\[MS-PPSAS\]](#)) on the protocol server as specified by **RepositoryLocation** (specified in [\[MS-PPSAS\]](#)). This element MUST be present, and the **ItemUrl** property of this element MUST NOT be empty.

3.1.4.15.2.2 **GetScorecardDependenciesResponse**

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

```
<xs:element name="GetScorecardDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetScorecardDependenciesResult"
type="tns:ResourceDependencies"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetScorecardDependenciesResult: The resources that are needed for rendering as specified by **ResourceDependencies** (see section [2.2.4.16](#)).

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 GetSetting

This method retrieves a configuration setting.

```
<wsdl:operation name="GetSetting">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSetting" message="tns:IBIMonitoringServiceApplication_GetSetting_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingResponse"
    message="tns:IBIMonitoringServiceApplication_GetSetting_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_GetSetting_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_GetSetting_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the setting to the retrieved.
2. The protocol server responds with the corresponding configuration setting.

Exceptions:

ErrorCode	Description
Unknown	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.16.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.16.1.1 IBIMonitoringServiceApplication_GetSetting_InputMessage

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

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSetting>

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

3.1.4.16.1.2 IBIMonitoringServiceApplication_GetSetting_OutputMessage

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

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

3.1.4.16.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.16.2.1 GetSetting

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

```
<xs:element name="GetSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

key: A unique value identifying the setting to be retrieved. The value **MUST** be one of the keys listed in section [2.2.4.18](#).

3.1.4.16.2.2 GetSettingResponse

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

```
<xs:element name="GetSettingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingResult" type="tns:Setting"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetSettingResult: The current configuration setting, as specified in section [2.2.4.18](#). **Key** **MUST** be equal to the requested key. **Type** **MUST** be the **SettingType** corresponding to the key. **Value** **MUST NOT** be null.

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 GetSettings

This method retrieves all configuration settings (see section [2.2.4.18](#)).

```
<wsdl:operation name="GetSettings">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettings" message="tns:IBIMonitoringServiceApplication_GetSettings_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsResponse"
    message="tns:IBIMonitoringServiceApplication_GetSettings_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingsBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_GetSettings_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_GetSettings_OutputMessage** response message as follows:

1. The protocol client sends the request.
2. The protocol server responds with the collection of settings (see section [2.2.4.18](#)).

Exceptions:

ErrorCode	Description
Unknown	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.17.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.17.1.1 IBIMonitoringServiceApplication_GetSettings_InputMessage

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

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettings>

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

3.1.4.17.1.2 IBIMonitoringServiceApplication_GetSettings_OutputMessage

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

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

3.1.4.17.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.17.2.1 GetSettings

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

```
<xs:element name="GetSettings">
  <xs:complexType/>
</xs:element>
```

3.1.4.17.2.2 GetSettingsResponse

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

```
<xs:element name="GetSettingsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingsResult"
type="tns:ArrayOfSetting"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetSettingsResult: The current configuration settings, as specified in section [3.1.4.17.3.1](#). For each **Setting** in the array:

- **Key** MUST be equal to the key specified in [2.2.4.18](#).
- **Type** MUST be the **SettingType** corresponding to the key.
- **Value** MUST NOT be null.

3.1.4.17.3 Complex Types

The following XML Schema complex type definitions are specific to this operation.

3.1.4.17.3.1 ArrayOfSetting

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

The ArrayOfSetting complex type defines an array of Setting (section [2.2.4.18](#)) complex type.

```
<xs:complexType name="ArrayOfSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Setting" nillable="true"
      type="tns:Setting"/>
  </xs:sequence>
</xs:complexType>
```

Setting: This element MUST NOT be null and MUST conform to the schema of the Setting (section [2.2.4.18](#)) complex type.

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 GetSettingValue

This method retrieves the current value of a configuration setting.

```
<wsdl:operation name="GetSettingValue">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValue"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueResponse"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValueBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_GetSettingValue_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_GetSettingValue_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the setting to be retrieved.
2. The protocol server responds with the string value of the corresponding setting.

Exceptions:

ErrorCode	Description
Unknown	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.3](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.18.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.18.1.1 IBIMonitoringServiceApplication_GetSettingValue_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetSettingValue
```

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

3.1.4.18.1.2 IBIMonitoringServiceApplication_GetSettingValue_OutputMessage

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

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

3.1.4.18.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.18.2.1 GetSettingValue

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

```
<xs:element name="GetSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

key: A unique value identifying the setting to be retrieved. The value MUST be one of keys listed in section [2.2.4.18](#).

3.1.4.18.2.2 GetSettingValueResponse

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

```

<xs:element name="GetSettingValueResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingValueResult" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

GetSettingValueResult: The current configuration setting value, expressed as a string. It **MUST** NOT be null.

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 GetStrategyMapReportView

This operation retrieves a report view from the server that has been created through [SaveTemporaryStrategyMapReport](#) (section [3.1.4.28](#)).

```

<wsdl:operation name="GetStrategyMapReportView">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportView"
    message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportViewResponse"
    message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportViewBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>

```

The protocol client sends an **IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage** request and the server responds with an

IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage message as follows:

1. The protocol client sends a RepositoryLocation (specified in [\[MS-PPSAS\]](#)) for the report view to be retrieved.
2. The server sends the corresponding report view.

Exceptions:

ErrorCode	Description
InvalidPermission	If the report view was created with SaveTemporaryStrategyMap (see section 3.1.4.28), the security permissions are inherited from the parent report view. The location of the parent report view can be determined from the RepositoryLocation (specified in [MS-PPSAS]) object "ParentReportViewLocation" embedded within "CustomData" of the report view. See section 2.2.2.1.3 for the Common list of Error Codes .
FCOReadFailed	See section 2.2.2.1.3 for the Common list of Error Codes .
FCOReadFailedListAccess	See section 2.2.2.1.3 for the Common list of Error Codes .

In case of any other failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the server is in section [2.2.2.1](#).

3.1.4.19.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.19.1.1

IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage

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

The SOAP action value is:

`http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetStrategyMapReportView`

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

3.1.4.19.1.2

IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage

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

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

3.1.4.19.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.19.2.1 GetStrategyMapReportView

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

```
<xs:element name="GetStrategyMapReportView">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="strategyMapReportViewLocation"
        type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

strategyMapReportViewLocation: The RepositoryLocation (specified in [\[MS-PPSAS\]](#)) object that specifies the location of the report view on the server.

- the report view to be retrieved was created with SaveTemporaryStrategyMap (section [3.1.4.28](#)):
 - The **ItemGuid** property MUST equal the GUID that was returned from SaveTemporaryStrategyMap (see section [3.1.4.28](#)).
 - The **ItemType** property MUST equal TempReportView as specified by FirstClassObjectType (specified in [\[MS-PPSAS\]](#)).
 - The **ItemUrl** property MUST equal an empty string.

3.1.4.19.2.2 GetStrategyMapReportViewResponse

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

```
<xs:element name="GetStrategyMapReportViewResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetStrategyMapReportViewResult"
        type="tns:ReportView"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

GetStrategyMapReportViewResult: The ReportView (specified in [\[MS-PPSAS\]](#)) object that was requested from the server.

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 MaintenanceJob

This operation is used to start maintenance tasks (database cleanup jobs, for example).

```
<wsdl:operation name="MaintenanceJob">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJob"
    message="tns:IBIMonitoringServiceApplication_MaintenanceJob_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJobResponse"
    message="tns:IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJobBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

IBIMonitoringServiceApplication_MaintenanceJob_InputMessage message and the protocol server responds with an **IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage**.

3.1.4.20.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.20.1.1 IBIMonitoringServiceApplication_MaintenanceJob_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/MaintenanceJob
```

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

3.1.4.20.1.2 IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage

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

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

3.1.4.20.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.20.2.1 MaintenanceJob

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

```
<xs:element name="MaintenanceJob">
  <xs:complexType/>
</xs:element>
```

3.1.4.20.2.2 MaintenanceJobResponse

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

```
<xs:element name="MaintenanceJobResponse">
  <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 RenderFilter

This operation generates HTML [\[HTML\]](#) for a specific filter stored on the protocol server. The protocol client specifies which filter is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderFilter">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilter" message="tns:IBIMonitoringServiceApplication_RenderFilter_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterResponse"
    message="tns:IBIMonitoringServiceApplication_RenderFilter_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilterBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client MUST send an **IBIMonitoringServiceApplication_RenderFilter_InputMessage** request message and the protocol server MUST respond with an **IBIMonitoringServiceApplication_RenderFilter_OutputMessage** message containing the HTML [\[HTML\]](#) for the filter.

Exceptions:

ErrorCode	Description
FCORReadFailed	See section 2.2.2.1.3 for the Common List of Error Codes.
FCORReadFailedListAccess	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in [\[MS-PPSAS\]](#), Common list of Error Codes. A detailed specification of how exceptions are reported by the protocol server is described in the aforementioned section.

3.1.4.21.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.21.1.1 IBIMonitoringServiceApplication_RenderFilter_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderFilter
```

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

3.1.4.21.1.2 IBIMonitoringServiceApplication_RenderFilter_OutputMessage

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

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

3.1.4.21.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.21.2.1 RenderFilter

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

```
<xs:element name="RenderFilter">
  <xs:complexType>
    <xs:sequence>
```



```

    <xs:element minOccurs="0" name="filterLocation" nillable="true"
type="tns:RepositoryLocation"/>
    <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q14:WebPartContext"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

filterLocation: Specifies the filter location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid filter.

renderTargetId: Specifies the identifier of parent element of the rendered html control.

availableHeight: Specifies the **Unit** complex type indicating the height available for the filter. It MUST NOT be null.

availableWidth: Specifies the **Unit** complex type indicating the width available for the filter. It MUST NOT be null.

webPartContext: Specifies the Web Part context for the filter to be rendered, as defined in WebPartContext (section [2.2.4.20](#)). It MUST NOT be null.

3.1.4.21.2.2 RenderFilterResponse

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

```

<xs:element name="RenderFilterResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q15:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

html: Specifies the html for the rendered filter. It MUST NOT be null or empty.

script: Specifies an initialization script that MUST be executed when the HTML is delivered to the browser. It MAY be null.

webPartContextUpdate: Specifies the new Web Part context after rendering the filter, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)). This MUST NOT be null or empty.

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 RenderReport

This operation generates HTML markup for a specific report stored on the protocol server. The protocol client specifies which report is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderReport">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReport" message="tns:IBIMonitoringServiceApplication_RenderReport_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReportResponse"
    message="tns:IBIMonitoringServiceApplication_RenderReport_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReportBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **RenderReportSoapIn** request message and the protocol server MUST respond with a **RenderReportSoapOut** message containing the HTML markup for the report.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section 2.2.2.1.3 for the Common List of Error Codes.
FCOReadFailedListAccess	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.22.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.22.1.1 IBIMonitoringServiceApplication_RenderReport_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderReport
```

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

3.1.4.22.1.2 IBIMonitoringServiceApplication_RenderReport_OutputMessage

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

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

3.1.4.22.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.22.2.1 RenderReport

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

```
<xs:element name="RenderReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q20:WebPartContext"/>
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

proxyCacheAttempt: Specifies whether the render operation SHOULD use the proxy cache.

reportLocation: Specifies the report location as defined in RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST NOT be null or empty. It MUST point to a valid report.

renderTargetId: Specifies the identifier of the rendered html control. It MUST NOT be null or empty.

availableHeight: Specifies the height available for the report. It MUST NOT be null. The empty value specifies unbounded height. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

availableWidth: Specifies the width available for the report. It MUST NOT be null. The empty value specifies unbounded width. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

webPartContext: Specifies the Web Part context for the report to be rendered, as defined in **WebPartContext** (section [2.2.4.20](#)). It MUST NOT be null.

isAccessibilityMode: Specifies whether the report needs to be rendered in accessibility mode.

3.1.4.22.2 RenderReportResponse

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

```
<xs:element name="RenderReportResponse">
  <xs:complexType>
    <xs:sequence>
```

```

    <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="proxyCacheSubs" nillable="true"
xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" type="q21:ArrayOfSubstitutionPair"/>
    <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime"/>
    <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q22:WebPartContextUpdate"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

proxyCacheKey: Specifies the cache key associated with the render report. It MUST NOT be null. An empty value means the result was not cached.

proxyCacheSubs: The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (name and value of the placeholder), as defined in **ArrayOfSubstitutionPair** (section [2.2.4.6](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

proxyCacheExpiration: Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

html: Specifies the html for the rendered report.

script: Specifies an initialization script that MUST be executed when the HTML [\[HTML\]](#) is delivered to the browser.

webPartContextUpdate: Specifies the new Web Part context after rendering the report, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)). It MUST NOT be null.

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 RenderScorecard

This operation generates HTML markup for a specific scorecard stored on the protocol server. The protocol client specifies which scorecard is to be rendered, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderScorecard">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard"
    message="tns:IBIMonitoringServiceApplication_RenderScorecard_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardResponse"
    message="tns:IBIMonitoringServiceApplication_RenderScorecard_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client MUST send a **RenderScorecardSoapIn** request message and the protocol server MUST respond with a **RenderScorecardSoapOut** message containing the HTML markup for the scorecard.

Exceptions:

ErrorCode	Description
FCOReadFailed	See section 2.2.2.1.3 for the Common List of Error Codes.
FCOReadFailedListAccess	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.23.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.23.1.1 IBIMonitoringServiceApplication_RenderScorecard_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard
```

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

3.1.4.23.1.2 IBIMonitoringServiceApplication_RenderScorecard_OutputMessage

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

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

3.1.4.23.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.23.2.1 RenderScorecard

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

```
<xs:element name="RenderScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean"/>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q23:WebPartContext"/>
      <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

proxyCacheAttempt: Specifies whether the render operation SHOULD use the proxy cache.

scorecardLocation: The location of a scorecard location as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

renderTargetId: Specifies the identifier of the rendered html control. It MUST NOT be null or empty.

availableHeight: Specifies the height available for the scorecard. It MUST NOT be null. The empty value specifies unbounded height. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)

Unit
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

availableWidth: Specifies the width available for the scorecard. It MUST NOT be null. The empty value specifies unbounded width. It MUST be a decimal number greater than or equal zero, followed by a unit type (such as 100px).

The unit type MUST be one of the following:

Unit
px (pixel)
pt (point)
pc (pica)
in (inch)
mm (millimeter)
cm (centimeter)
% (percentage)
em (relative to height of parent's font)
ex (relative to height of letter x on parent's font)

webPartContext: Specifies the Web Part context for the scorecard to be rendered, as defined in **WebPartContext** (section [2.2.4.20](#)). It MUST NOT be null.

isAccessibilityMode: Specifies whether the scorecard needs to be rendered in accessibility mode or not.

3.1.4.23.2.2 RenderScorecardResponse

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

```
<xs:element name="RenderScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="proxyCacheSubs" nillable="true"
        xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
        erCommon" type="q24:ArrayOfSubstitutionPair"/>
      <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime"/>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="script" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
        xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
        type="q25:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
```


</xs:element>

proxyCacheKey: Specifies the cache key associated with the rendered scorecard. It MUST NOT be null. The empty value means the result was not cached.

proxyCacheSubs: The HTML [\[HTML\]](#) MAY contain placeholders for dynamic information. The **proxyCacheSubs** property specifies a list of value pairs (placeholder name and value for placeholder), as defined in **ArrayOfSubstitutionPair** (section [2.2.4.6](#)). The protocol client MUST apply the substitution pairs to the rendered html if the result was cached.

proxyCacheExpiration: Specifies a DateTime value for when the cached value expires. The value "DateTime.MinValue" means the result was not cached.

html: Specifies the HTML [\[HTML\]](#) for the rendered scorecard.

script: Specifies an initialization script that MUST be executed when the HTML [\[HTML\]](#) is delivered to the browser.

webPartContextUpdate: Specifies the new Web Part context after rendering the scorecard, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)). It MUST NOT be null.

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 RenderScorecardAjaxControl

This operation generates scorecard Web control HTML markup for a specific list item stored on the protocol server. The client specifies which list item is to be rendered, which Web control to use to render it, and other parameters that affect the result's HTML content.

```
<wsdl:operation name="RenderScorecardAjaxControl">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControl"
    message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControl_OutputMessage"/>
</wsdl:operation>
```

```

tion/RenderScorecardAjaxControlResponse"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_Fau
ltMessage"/>
</wsdl:operation>

```

The protocol client MUST send a **RenderScorecardAjaxControlSoapIn** request message and the protocol server MUST respond with a **RenderScorecardAjaxControlSoapOut** message containing the HTML markup for the list item.

If there was an application error on the protocol server during the operation, the protocol server MUST return a SOAP fault response, which MAY contain any subcode.

3.1.4.24.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.24.1.1

IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage

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

The SOAP action value is:

```

http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderSc
orecardAjaxControl

```

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

3.1.4.24.1.2

IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage

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

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

3.1.4.24.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.24.2.1 **RenderScorecardAjaxControl**

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

```

<xs:element name="RenderScorecardAjaxControl">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="scorecardControlId" nillable="true" type="xs:string"/>
    
```

```

    <xs:element minOccurs="0" name="scorecardControlType" nillable="true"
type="xs:string"/>
    <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q26:WebPartContext"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

scorecardLocation: The list item identifier used to retrieve the scorecard definition.

renderTargetId: The unique identifier assigned to the scorecard Web Part.

scorecardControlId: The HTML element container where the rendered scorecard markup is written.

scorecardControlType: The strong assembly name of the Web control implementation. This is used to create a new web control instance.

webPartContext: Specifies the current context of the Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

3.1.4.24.2.2 RenderScorecardAjaxControlResponse

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

```

<xs:element name="RenderScorecardAjaxControlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="html" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContextUpdate" nillable="true"
xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q27:WebPartContextUpdate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

html: The scorecard rendered HTML markup.

webPartContextUpdate: Specifies the new Web Part context after rendering the filter, as defined in **WebPartContextUpdate** (section [2.2.4.21](#)).

3.1.4.24.3 Complex Types

None.

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 RenderTreeMemberSelector

This method is deprecated from the protocol and SHOULD NOT [<6>](#) be used.

```
<wsdl:operation name="RenderTreeMemberSelector">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTreeMemberSelector"
    message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTreeMemberSelectorResponse"
    message="tns:IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage"/>
</wsdl:operation>
```

None.

3.1.4.25.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.25.1.1

IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderTreeMemberSelector
```

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

3.1.4.25.1.2

IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage

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

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

3.1.4.25.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.25.2.1 RenderTreeMemberSelector

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

```
<xs:element name="RenderTreeMemberSelector">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="tns:DataSource"/>
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberNamesStr"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="clientInstance" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"/>
      <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int"/>
      <xs:element minOccurs="1" maxOccurs="1" name="maxNumRecordsToRender" type="xs:int"/>
      <xs:element minOccurs="0" maxOccurs="1" name="resourcePath" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeHeaderFlagStr"
type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeFooterFlagStr"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

dataSource: None.

memberUniqueName: None.

dimensionUniqueName: None.

selectedMemberNamesStr: None.

clientInstance: None.

targetControlId: None.

index: None.

maxNumRecordsToRender: None.

resourcePath: None.

displayTreeHeaderFlagStr: None.

displayTreeFooterFlagStr: None.

3.1.4.25.2.2 RenderTreeMemberSelectorResponse

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

```
<xs:element name="RenderTreeMemberSelectorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="RenderTreeMemberSelectorResult"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
```

</xs:element>

RenderTreeMemberSelectorResult: None.

3.1.4.25.3 Complex Types

None.

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 ReportSupportsExportFormat

Determines whether a report supports the specified export format.

```
<wsdl:operation name="ReportSupportsExportFormat">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatResponse"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage** message as follows:

1. The protocol server receives the ExportFormat (see section [2.2.5.1](#)).
2. The protocol server receives the RepositoryLocation of a ReportView (specified in [\[MS-PPSAS\]](#)).
3. The protocol server MUST return "true" or "false", as specified in section [3.1.4.26.2.2](#).

3.1.4.26.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.26.1.1

IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ReportSupportsExportFormat
```

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

3.1.4.26.1.2

IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage

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

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

3.1.4.26.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.26.2.1 ReportSupportsExportFormat

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

```
<xs:element name="ReportSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

itemFormat: The export format as specified by ExportFormat (see section [2.2.5.1](#)). It MUST be present.

reportLocation: The location of a report as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

3.1.4.26.2.2 ReportSupportsExportFormatResponse

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

```
<xs:element name="ReportSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
```

```

        <xs:element minOccurs="1" maxOccurs="1" name="ReportSupportsExportFormatResult"
type="xs:boolean"/>
    </xs:sequence>
</xs:complexType>
</xs:element>

```

ReportSupportsExportFormatResult: A value of "true" indicates that the report supports the export format; a value of "false" indicates that it does not.

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 SaveFilterValues

This operation saves the state of selections made for a given filter.

```

<wsdl:operation name="SaveFilterValues">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValues"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesResponse"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage"
/>
</wsdl:operation>

```

The protocol client sends an

IBIMonitoringServiceApplication_SaveFilterValues_InputMessage message and the protocol server responds with an **IBIMonitoringServiceApplication_SaveFilterValue_OutputMessage** response message as follows:

1. The protocol client sends the repository for the filter, the filter definition, and an array of strings representing the selected filter values.
2. In the event the setting cannot be updated, the protocol server MUST return a **FaultException** response, as detailed in section [2.2.2.1](#).

3.1.4.27.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.27.1.1 IBIMonitoringServiceApplication_SaveFilterValues_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveFilterValues
```

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

3.1.4.27.1.2 IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage

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

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

3.1.4.27.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.27.2.1 SaveFilterValues

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

```
<xs:element name="SaveFilterValues">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="elementLocation"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="tns:ParameterDefinition"/>
      <xs:element minOccurs="0" maxOccurs="1" name="selections" type="tns:ArrayOfString"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

elementLocation: MUST be a RepositoryLocation (specified in [\[MS-PPSAS\]](#)).

parameterDefinition: MUST be a ParameterDefinition (specified in [\[MS-PPSAS\]](#)). MUST NOT be null.

selections: An array of strings representing the value of the filter.

3.1.4.27.2.2 SaveFilterValuesResponse

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

```
<xs:element name="SaveFilterValuesResponse">
  <xs:complexType/>
</xs:element>
```

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 SaveTemporaryStrategyMapReport

This operation stores a temporary copy of a report view to the server. See [SaveTemporaryAnalyticReport](#) in [\[MS-PPSAS\]](#).

```
<wsdl:operation name="SaveTemporaryStrategyMapReport">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport"
    message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReportResponse"
    message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReportBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an

IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage

message and the server responds with an

IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage

response message as follows:

- The protocol client MUST send a ReportView (specified in [MS-PPSAS]).
- If the server contains a ReportView where all attributes and elements, except Location, equal those of the passed in ReportView, the server MUST return the GUID of the ReportView on the server. The GUID MUST be equal to the RepositoryLocation (specified in [MS-PPSAS]) ItemGuid GUID. The stored ReportView MUST NOT be altered.
- If the server does not contain a ReportView where all attributes and elements, except Location, equal those of the passed in ReportView, the server MUST store a copy of the ReportView and MUST return a unique GUID for it. The server MUST replace the Location element for the stored copy with a Location element that points to the stored copy. The Location element MUST conform to the schema of the RepositoryLocation (specified in [MS-PPSAS]) complex type, such that the ItemType attribute equals TempReportView, as specified in FirstClassObjectType (specified in [MS-PPSAS]), and the ItemGuid attribute equals the returned GUID.

Exceptions:

ErrorCode	Description
InvalidPermission	The report view is invalid.

- In case of any other failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the server is in section [2.2.2.1](#)

3.1.4.28.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.28.1.1

IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage

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

The SOAP action value is:

`http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport`

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

3.1.4.28.1.2

IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage

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

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

3.1.4.28.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.28.2.1 SaveTemporaryStrategyMapReport

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

```
<xs:element name="SaveTemporaryStrategyMapReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="tns:ReportView"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

reportView: The report view to store. MUST be present and MUST conform to the schema of the **ReportView** (specified in [\[MS-PPSAS\]](#)) complex type where the **TypeName** attribute MUST be set to "StrategyMap" and the **CustomData** attribute MUST be set as specified for the "StrategyMap" **TypeName**.

3.1.4.28.2.2 SaveTemporaryStrategyMapReportResponse

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

```
<xs:element name="SaveTemporaryStrategyMapReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="SaveTemporaryStrategyMapReportResult"
        xmlns:q40="http://microsoft.com/wsdl/types/" type="q40:guid"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SaveTemporaryStrategyMapReportResult: A GUID that uniquely identifies the ReportView (specified in [\[MS-PPSAS\]](#)) and the values of all attributes and elements except Location. MUST be present.

3.1.4.28.3 Complex Types

None.

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 ScorecardSupportsExportFormat

This operation checks whether a scorecard supports the specified export format.

```
<wsdl:operation name="ScorecardSupportsExportFormat">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatResponse"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage** request message and the protocol server responds with an **IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage** message as follows:

1. The protocol server receives the ExportFormat (see section [2.2.5.1](#)).
2. The protocol server receives the RepositoryLocation of a Scorecard (specified in [\[MS-PPSAS\]](#)).
3. The protocol server MUST retrieve "true" or "false".

3.1.4.29.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.29.1.1

IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ScorecardSupportsExportFormat
```

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

3.1.4.29.1.2

IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage

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

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

3.1.4.29.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.29.2.1 ScorecardSupportsExportFormat

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

```
<xs:element name="ScorecardSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="tns:ExportFormat"/>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="tns:RepositoryLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

itemFormat: The export format as specified by ExportFormat (see section [2.2.5.1](#)). It MUST be present.

scorecardLocation: The location of a scorecard as specified by RepositoryLocation (specified in [\[MS-PPSAS\]](#)). It MUST be present.

3.1.4.29.2.2 ScorecardSupportsExportFormatResponse

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

```
<xs:element name="ScorecardSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ScorecardSupportsExportFormatResult"
type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

ScorecardSupportsExportFormatResult: A value of "true" indicates that the scorecard supports the export format; a value of "false" indicates that it does not.

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 SearchParameterDisplayData

The **SearchParameterDisplayData** operation [<7>](#) retrieves an object of type **ParameterSearchResultRecord** (section [2.2.4.15](#)) that represents the filter's display data values that contain the specified search term.

```
<wsdl:operation name="SearchParameterDisplayData">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayData"
    message="tns:IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayDataResponse"
    message="tns:IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_SearchParameterDisplayData_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

The protocol client sends an **IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage** (section [3.1.4.30.1.1](#)) request message and the protocol server responds with an **IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage** (section [3.1.4.30.1.2](#)) message as follows:

1. The protocol server receives the input data for a **SearchParameterDisplayData** WSDL operation as specified in section [3.1.4.30](#).
2. The protocol server creates the **ParameterSearchResultRecord** using the **Filter** ([\[MS-PPSAS\]](#) section 2.2.4.99) data source and **SubTypeId** ([\[MS-PPSAS\]](#) section 2.2.4.85) referenced by **parameterLocation** (section [3.1.4.30.2.1](#)), the string referenced by **searchTerm** (section [3.1.4.30.2.1](#)) and the **WebPartContext** (section [2.2.4.20](#)) referenced by **webPartContext** (section [3.1.4.30.2.1](#)).

The following table lists possible error codes for the **SearchParameterDisplayData** operation.

Error code	Description
FCOReadFailed	See section 2.2.2.1.3 , Common list of Error Codes.
FCOReadFailedListAccess	See section 2.2.2.1.3 , Common list of Error Codes.

If a failure occurs, the error code MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.30.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.30.1.1

IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SearchParameterDisplayData
```

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

3.1.4.30.1.2

IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage

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

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

3.1.4.30.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.30.2.1 SearchParameterDisplayData

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

```
<xs:element name="SearchParameterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="tns:RepositoryLocation"/>
      <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string"/>
      <xs:element minOccurs="0" name="webPartContext" nillable="true"
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
type="q32:WebPartContext"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

parameterLocation: The parameter provider's location as specified in [\[MS-PPSAS\]](#) section 2.2.4.143.

searchTerm: A string representing a word or phrase that will be used to search the parameter's display data.

webPartContext: Specifies the current context of a Web Part, as defined in **WebPartContext** (section [2.2.4.20](#)).

3.1.4.30.2.2 SearchParameterDisplayDataResponse

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

```
<xs:element name="SearchParameterDisplayDataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="SearchParameterDisplayDataResult" nillable="true"
        xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.ServiceCommon" type="q33:ParameterSearchResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

SearchParameterDisplayDataResult: A **ParameterSearchResultRecord** (section [2.2.4.15](#)) value.

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 UpdateSettingValue

This method modifies the current value of a configuration setting.

```
<wsdl:operation name="UpdateSettingValue">
  <wsdl:input>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValue"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage"/>
  <wsdl:output>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueResponse"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage"/>
  <wsdl:fault>
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValueBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

</wsdl:operation>

The protocol client sends an **IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage** message and the protocol server responds with an **IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage** response message as follows:

1. The protocol client sends a string identifying the configuration setting to be changed, and the new value expressed as a string.
2. The protocol server modifies the configuration, and responds with an empty response.

Exceptions:

ErrorCode	Description
ExtInvalidSetting	The setting value does not meet the required format or limits. More information is available in the exception text.
NewSetting	The setting key is unknown.
Unknown	See section 2.2.2.1.3 for the Common List of Error Codes.

In case of any failure, the ErrorCode MUST be one of the values specified in section [2.2.2.1.2](#). A detailed specification of how exceptions are reported by the protocol server is in section [2.2.2.1](#).

3.1.4.31.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.31.1.1 IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateSettingValue
```

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

3.1.4.31.1.2

IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage

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

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

3.1.4.31.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.31.2.1 UpdateSettingValue

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

```
<xs:element name="UpdateSettingValue">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="value" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

key: A unique value identifying the setting to be retrieved. The value **MUST** be one of the keys listed in section [2.2.4.18](#).

value: The new value for the setting. **MUST NOT** be null. **MUST** conform to a format matching the **SettingType** associated with the **key** (section [2.2.4.18](#)).

- SettingType Integer
 - The value **MUST** be of the form [ws][sign]digits[ws]
 - ws is optional white space
 - sign is an optional + or -
 - digits is a sequence of digits ranging from 0 to 9
 - The value **MUST** be greater or equal to the minimum value shown in section [2.2.4.18](#).
 - The value **MUST** be less than or equal to the maximum value shown in section [2.2.4.18](#).
- SettingType String
 - The value **MUST** have no more characters than the number listed in the maximum value column in section [2.2.4.18](#)
 - The value **MUST NOT** have any characters listed as illegal for the key in section [2.2.4.18](#).
- SettingType Boolean
 - The value **MUST** be "true" or "false", case insensitive.
 - The value **MAY** be preceded or followed by white space.

3.1.4.31.2.2 UpdateSettingValueResponse

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

```
<xs:element name="UpdateSettingValueResponse">
  <xs:complexType/>
</xs:element>
```

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 DecompAutoExpand

Specified in [\[MS-PPSDECO\].<8>](#)

```
<wsdl:operation name="DecompAutoExpand">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpand"
    message="tns:IBIMonitoringServiceApplication_DecomAutoExpand_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpandResponse"
    message="tns:IBIMonitoringServiceApplication_DecomAutoExpand_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpandBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_DecomAutoExpand_BpmExceptionFault_FaultMessage"
  />
</wsdl:operation>
```

3.1.4.32.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.32.1.1 IBIMonitoringServiceApplication_DecomAutoExpand_InputMessage

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

The SOAP action value is:

<http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompAutoExpand>

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

3.1.4.32.1.2

IBIMonitoringServiceApplication_DecomAutoExpand_OutputMessage

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

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

3.1.4.32.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.32.2.1 DecompAutoExpand

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

```
<xs:element name="DecompAutoExpand">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

navigationContext: A session identifier which defines the state of the client. MUST be the *NavigationContext* value from a **DecompRenderResultRecord** element obtained from a previous successful request to either **DecompAutoExpand** or **DecompExpand** MUST NOT be NULL and MUST NOT be empty.

queryParameters: Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

levelUniqueName: Uniquely identifies the **level** to expand. This identifier is defined by the web service and is the **DecompRenderResultLevel** unique name. It MUST NOT be NULL or EMPTY.

itemUniqueName: Uniquely identifies the node to expand. This identifier is defined by the web service and is the **DecompRenderResultNode** unique name. It MUST NOT be NULL or EMPTY.

3.1.4.32.2.2 DecompAutoExpandResponse

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

```
<xs:element name="DecompAutoExpandResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompAutoExpandResult"
type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

DecompAutoExpandResult: A [DecompRenderResultRecord](#) element. In the event of an application error on the protocol server, this element will not occur.

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 DecompExpand

This operation [<9>](#) is used to get additional node data for a specific node, using a named action.

```
<wsdl:operation name="DecompExpand">
  <wsdl:input
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompExpand" message="tns:IBIMonitoringServiceApplication_DecomExpand_InputMessage"/>
  <wsdl:output
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompExpandResponse"
    message="tns:IBIMonitoringServiceApplication_DecomExpand_OutputMessage"/>
  <wsdl:fault
    wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/DecompExpandBpmExceptionFault" name="BpmExceptionFault"
    message="tns:IBIMonitoringServiceApplication_DecomExpand_BpmExceptionFault_FaultMessage"/>
</wsdl:operation>
```

A session state variable is required to successfully complete this operation. As part of the **DecompExpandSoapIn** request message, **navigationContext** MUST contain a value obtained from a **DecompRenderResultRecord** result from a previous successful request to **DecompAutoExpand** or **DecompExpand**.

3.1.4.33.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.33.1.1 IBIMonitoringServiceApplication_DecomExpand_InputMessage

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

The SOAP action value is:

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

3.1.4.33.1.2 IBIMonitoringServiceApplication_DecomExpand_OutputMessage

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

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

3.1.4.33.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.33.2.1 DecompExpand

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

```
<xs:element name="DecompExpand">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="tns:DecompQueryParameters"/>
      <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string"/>
      <xs:element minOccurs="0" maxOccurs="1" name="navigationItemUniqueName"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

navigationContext: A session identifier which defines the state of the client. MUST be the *NavigationContext* value from a **DecompRenderResultRecord** element obtained from a previous successful request to **DecompAutoExpand** or **DecompExpand**. MUST NOT be NULL and MUST NOT be empty.

queryParameters: Specifies the query parameters. This element MUST be a **DecompQueryParameters** value. It MUST NOT be null.

levelUniqueName: Uniquely identifies the level to expand. This identifier is defined by the web service and is the **DecompRenderResultLevel** unique name. It MUST NOT be NULL or EMPTY.

itemUniqueName: Uniquely identifies the node to expand. This identifier is defined by the web service and is the **DecompRenderResultNode** unique name. It MUST NOT be NULL or EMPTY.

navigationItemUniqueName: MUST be the *Name* value from a **DecompNavigationAction** element obtained from a previous call to **CreateNavigationList**. MUST NOT be NULL and MUST NOT be empty.

3.1.4.33.2.2 DecompExpandResponse

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

```

<xs:element name="DecompExpandResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="DecompExpandResult"
type="tns:DecompRenderResultRecord"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

DecompExpandResult: A **DecompRenderResultRecord** value. In the event of an application error on the server, this value will not occur.

3.1.4.33.3 Complex Types

None.

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 ValidateSiteCollection

This operation [<10>](#) is used to check if the context site has the server feature installed.

```

<wsdl:operation name="ValidateSiteCollection">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollection"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage"/>
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionResponse"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage"/>
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionBpmExceptionFault" name="BpmExceptionFault"
message="tns:IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMe
ssage"/>
</wsdl:operation>

```

The protocol client sends a **ValidateSiteCollectionSoapIn** request message, and the **server (2)** responds with a **ValidateSiteCollectionSoapOut** message as follows:

- If the user-defined context site is the top-level site(2) of a site collection that has the server (2) feature installed, **ValidateSiteCollectionResult** MUST be "SiteCollection".
- If the user-defined context site is a **subsite** of a site collection that has the server (2) feature installed, **ValidateSiteCollectionResult** MUST be "Site".
- If the user-defined context site is NULL, **ValidateSiteCollectionResult** MUST be "NonexistentSiteCollection".
- If the user-defined context site is not a valid site (2) or a site collection and the **siteCollectionUrl** derived from the user-defined context site is not empty, **ValidateSiteCollectionResult** MUST be "Nonexistentsite".
- If the user-defined context site is not a valid site (2) or a site collection and **siteCollectionUrl** derived from the user-defined context site is empty, **ValidateSiteCollectionResult** MUST be "NonexistentSiteCollection".
- If the site collection of the user-defined context site does not have the server (2) feature installed, **ValidateSiteCollectionResult** MUST be "PPSNotActivatedOnSiteCollection".
- **ValidateSiteCollectionResult** MUST NOT have any other values from the **URLValidationResult** enumeration other than those enumerated in items 1 to 6.

3.1.4.34.1 Messages

The following WSDL message definitions are specific to this operation.

3.1.4.34.1.1

IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage

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

The SOAP action value is:

```
http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/ValidateSiteCollection
```

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

3.1.4.34.1.2

IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage

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

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

3.1.4.34.2 Elements

The following XML Schema element definitions are specific to this operation.

3.1.4.34.2.1 **ValidateSiteCollection**

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

```
<xs:element name="ValidateSiteCollection">
```

```

    <xs:complexType/>
  </xs:element>

```

3.1.4.34.2.2 ValidateSiteCollectionResponse

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

```

<xs:element name="ValidateSiteCollectionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ValidateSiteCollectionResult"
type="tns:URLValidationResult"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

ValidateSiteCollectionResult: A value of type **URLValidationResult** indicating the result of the validation process. See the definition of URLValidationResult (section [3.1.4.34.4.1](#)) for more details.

3.1.4.34.3 Complex Types

None.

3.1.4.34.4 Simple Types

The following XML Schema simple type definitions are specific to this operation.

3.1.4.34.4.1 URLValidationResult

Namespace: <http://www.microsoft.com/performancepoint/scorecards>

The **URLValidationResult** is an enumeration used to specify the possible results of URL Validation.

```

<xs:simpleType name="URLValidationResult">
  <xs:restriction base="xs:string">
    <xs:enumeration value="SiteCollectionOrSite"/>
    <xs:enumeration value="SiteCollection"/>
    <xs:enumeration value="Site"/>
    <xs:enumeration value="List"/>
    <xs:enumeration value="DocumentLibrary"/>
    <xs:enumeration value="InvalidURL"/>
    <xs:enumeration value="AlreadyExists"/>
    <xs:enumeration value="NonexistentSiteCollection"/>
    <xs:enumeration value="NonexistentSite"/>
    <xs:enumeration value="PPSNotActivatedOnSiteCollection"/>
    <xs:enumeration value="URLZoneNotAllowed"/>
    <xs:enumeration value="NoAccess"/>
  </xs:restriction>
</xs:simpleType>

```

The following table specifies the allowable values for URLValidationResult:

Value	Meaning
SiteCollectionOrSite	The context site is a subsite of a site collection or the top-level site (2) of a site collection that has the server (2) feature installed.
SiteCollection	The context site is the top-level site (2) of a site collection and the site collection has the server feature installed.
Site	The context site is a subsite of a site collection and the site collection has the protocol feature installed.
List	The context site is a list (1) of a site collection.
DocumentLibrary	The context site is a document library of a site collection.
InvalidURL	The URL is not valid.
AlreadyExists	The URL already exists.
NonexistentSiteCollection	The context site is not a valid site collection.
NonexistentSite	The context site is not a valid site (2).
PPSNotActivatedOnSiteCollection	The site collection of the context site does not have the server feature activated.
URLZoneNotAllowed	The URL is not in the following security zones : Local, Intranet, or Trusted.
NoAccess	The user does not have access to the context site specified by the URL.

3.1.4.34.5 Attributes

None.

3.1.4.34.6 Groups

None.

3.1.4.34.7 Attribute Groups

None.

3.1.5 Timer Events

None.

3.1.6 Other Local Events

None.

3.2 Client Details

None.

3.2.1 Abstract Data Model

None.

3.2.2 Timers

None.

3.2.3 Initialization

None.

3.2.4 Message Processing Events and Sequencing Rules

None.

3.2.5 Timer Events

None.

3.2.6 Other Local Events

None.

4 Protocol Examples

Examples that illustrate the usage of the protocol as described in the overview (section [1.3](#)).

4.1 Annotation Update

In this example, a protocol client creates a new **annotation** within a scorecard, modifies the **annotation**, then deletes the **annotation**.

The example assumes that the following object is known to the protocol server with the following identifier:

Type	Name	Path	ID
Scorecard	New Scorecard	/PerformancePoint/Lists/Dashboard Content	15_.000

4.1.1 CreateAnnotation

To create a new Annotation, the protocol client calls **CreateAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/CreateAnnotation
    </a:Action>
    <a:MessageID>
      urn:uuid:868d1632-4a2d-4e5a-b7d5-51ff28762e05
    </a:MessageID>
    <a:ReplyTo>
      <a:Address>
        http://www.w3.org/2005/08/addressing/anonymous
      </a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">
      9edb0749-0b51-4377-b810-d3891c1ac81d
    </webSiteID>
    <WebSiteAbsoluteUrl
      xmlns="PPSMA">http://boi-ppsbeta1/
    </WebSiteAbsoluteUrl>
    <CurrentCultureName
      xmlns="PPSMA">en-US
    </CurrentCultureName>
    <CurrentUICultureName
      xmlns="PPSMA">en-US
    </CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <CreateAnnotation xmlns="http://tempuri.org/">
      <annotation>
        <Comments>
          <AnnotationComment Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="domain\username">
```

```

        CreatedDate="2009-06-09T09:06:11.1715572-07:00"
        Message="New Comment"
        Title="New Comment">
    </AnnotationComment>
</Comments>
<Properties></Properties>
<Owner>domain\username</Owner>
<LastUpdatedBy></LastUpdatedBy>
<Slice></Slice>
<CreatedOn>0001-01-01T00:00:00</CreatedOn>
<LastUpdatedOn>0001-01-01T00:00:00</LastUpdatedOn>
<ScorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"
    ItemType="Scorecard"
    ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
    SpSiteCollectionGuid="9edb07490b514377b810d3891c1ac81d"
    SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
    SpListGuid="e93c6554114d455198f8572c496139d2">
</ScorecardLocation>
<ConfiguredViewID>
    50289e50-956c-420f-9509-d60199260bf4
</ConfiguredViewID>
<Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
<CellpathCoordinates>
    /Lists/Dashboard Content/14_.000Target
</CellpathCoordinates>
</annotation>
</CreateAnnotation>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
    xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/CreateAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <CreateAnnotationResponse xmlns="http://tempuri.org/">
      <CreateAnnotationResult>
        <Comments>
          <AnnotationComment Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="domain\username"
            CreatedDate="2009-06-09T09:06:11.1715572-07:00"
            Message="New Comment"
            Title="New Comment">
          </AnnotationComment>
        </Comments>
        <Properties></Properties>
        <Owner>domain\username</Owner>
        <LastUpdatedBy></LastUpdatedBy>
        <Slice></Slice>
        <CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
        <LastUpdatedOn>2009-06-09T09:06:42.85</LastUpdatedOn>
        <ScorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"

```

```

        ItemType="Scorecard"
        ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
        SpSiteCollectionGuid="9edb07490b514377b810d3891c1ac81d"
        SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
        SpListGuid="e93c6554114d455198f8572c496139d2">
    </ScorecardLocation>
    <ConfiguredViewID>
        50289e50-956c-420f-9509-d60199260bf4
    </ConfiguredViewID>
    <Guid>
        6ebdce31-a7e4-4c3a-8012-43066b39b38a
    </Guid>
    <CellpathCoordinates>
        /Lists/Dashboard Content/14_.000Target
    </CellpathCoordinates>
    </CreateAnnotationResult>
    </CreateAnnotationResponse>
</s:Body>
</s:Envelope>

```

4.1.2 UpdateAnnotation

To update the existing Annotation, the protocol client calls **UpdateAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
    xmlns:s="http://www.w3.org/2003/05/soap-envelope">
    <s:Header>
        <a:Action s:mustUnderstand="1">
            http://tempuri.org/IBIMonitoringServiceApplication/UpdateAnnotation
        </a:Action>
        <a:MessageID>
            urn:uuid:937d9cac-9a59-4040-bcbe-18ec87bd5cfb
        </a:MessageID>
        <a:ReplyTo>
            <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
        </a:ReplyTo>
        <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
        <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
        <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
        <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
    </s:Header>
    <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <UpdateAnnotation xmlns="http://tempuri.org/">
            <annotation>
                <Comments>
                    <AnnotationComment
                        Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
                        CreatedBy="Domain\username"
                        CreatedDate="2009-06-09T09:06:11.1715572-07:00"
                        Message="New Comment 2"
                        Title="New Comment">
                    </AnnotationComment>
                </Comments>
            </Properties></Properties>
        </UpdateAnnotation>
    </s:Body>
</s:Envelope>

```

```

<Owner>Domain\username</Owner>
<LastUpdatedBy>Domain\username</LastUpdatedBy>
<Slice></Slice>
<CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
<LastUpdatedOn>2009-06-09T09:06:42.85</LastUpdatedOn>
<ScorecardLocation
  ItemUrl="/Lists/Dashboard Content/15_.000"
  ItemType="Scorecard"
  ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
  SpSiteCollectionGuid="9edb07490b514377b810d3891clac81d"
  SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
  SpListGuid="e93c6554114d455198f8572c496139d2">
</ScorecardLocation>
<ConfiguredViewID>50289e50-956c-420f-9509-d60199260bf4</ConfiguredViewID>
<Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
<CellpathCoordinates>
  /Lists/Dashboard Content/14_.000Target
</CellpathCoordinates>
</annotation>
</UpdateAnnotation>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/UpdateAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <UpdateAnnotationResponse xmlns="http://tempuri.org/">
      <UpdateAnnotationResult>
        <Comments>
          <AnnotationComment
            Guid="de36bf3c-3930-40cc-9287-28425b77c3e6"
            CreatedBy="Domain\username"
            CreatedDate="2009-06-09T09:06:11.1715572-07:00"
            Message="New Comment 2"
            Title="New Comment">
          </AnnotationComment>
        </Comments>
        <Properties></Properties>
        <Owner>Domain\username</Owner>
        <LastUpdatedBy>Domain\username</LastUpdatedBy>
        <Slice></Slice>
        <CreatedOn>2009-06-09T09:06:42.85</CreatedOn>
        <LastUpdatedOn>2009-06-09T10:24:40.847</LastUpdatedOn>
        <ScorecardLocation
          ItemUrl="/Lists/Dashboard Content/15_.000"
          ItemType="Scorecard"
          ItemGuid="4fc9dcdc2547494db86e7d3b298707b1"
          SpSiteCollectionGuid="9edb07490b514377b810d3891clac81d"
          SpSiteGuid="e656245d9da74ce8bbae0ef059f792c4"
          SpListGuid="e93c6554114d455198f8572c496139d2">

```



```

        </ScorecardLocation>
        <ConfiguredViewID>50289e50-956c-420f-9509-d60199260bf4</ConfiguredViewID>
        <Guid>6ebdce31-a7e4-4c3a-8012-43066b39b38a</Guid>
        <CellpathCoordinates>
            /Lists/Dashboard Content/14_.000Target
        </CellpathCoordinates>
    </UpdateAnnotationResult>
</UpdateAnnotationResponse>
</s:Body>
</s:Envelope>

```

4.1.3 DeleteAnnotation

To delete the existing Annotation, the protocol client calls **DeleteAnnotation**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/DeleteAnnotation
    </a:Action>
    <a:MessageID>urn:uuid:fa482d28-a976-4cb1-b193-277c4ea8844c</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891clac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <DeleteAnnotation xmlns="http://tempuri.org/">
      <annotationID>6ebdce31-a7e4-4c3a-8012-43066b39b38a</annotationID>
    </DeleteAnnotation>
  </s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/DeleteAnnotationResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <DeleteAnnotationResponse
      xmlns="http://tempuri.org/">
    </DeleteAnnotationResponse>
  </s:Body>

```

</s:Envelope>

4.2 Scorecard Render

In this example, a protocol client is refreshing the display of a dashboard containing a scorecard.

The example assumes that the following object is known to the protocol server with the following identifier:

Type	Name	Path	ID
Scorecard	New Scorecard	/PerformancePoint/Lists/Dashboard Content	15_.000

4.2.1 GetScorecardDependencies

The protocol client calls **GetScorecardDependencies** to get all resources necessary to render the scorecard.

The protocol client creates and sends the following message (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://tempuri.org/IBIMonitoringServiceApplication/GetScorecardDependencies</a:Action>
    <a:MessageID>urn:uuid:bda9b3de-5b13-452d-b734-95d9776168ae</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetScorecardDependencies xmlns="http://tempuri.org/">
      <scorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000" ItemType="None"
ItemGuid="00000000000000000000000000000000">
        SpSiteCollectionGuid="00000000000000000000000000000000"
        SpSiteGuid="00000000000000000000000000000000"
        SpListGuid="00000000000000000000000000000000"></scorecardLocation>
      </GetScorecardDependencies>
    </s:Body>
</s:Envelope>
```

The protocol server responds with the following (whitespace added for readability):

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action
s:mustUnderstand="1">http://tempuri.org/IBIMonitoringServiceApplication/GetScorecardDependenciesResponse</a:Action>
  </s:Header>
```

```

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <GetScorecardDependenciesResponse xmlns="http://tempuri.org/">
    <GetScorecardDependenciesResult>
      <ExternalCssDependencies>
        <string>bsm.css</string>
        <string>bsmMenu.css</string>
        <string>OlapGrid.css</string>
      </ExternalCssDependencies>
      <ScriptDependencies>
        <ScriptDependency>

<ScriptLocation>Microsoft.PerformancePoint.Scorecards.Script.Resources.AnalyticReports.js</ScriptLocation>
        <AssemblyName>Microsoft.PerformancePoint.Scorecards.Script, Version=14.0.0.0,
Culture=neutral, PublicKeyToken=71e9bce111e9429c</AssemblyName>
        <ForceRelease>false</ForceRelease>
      </ScriptDependency>
      <ScriptDependency>

<ScriptLocation>Microsoft.PerformancePoint.Scorecards.Script.Resources.Scorecard.js</ScriptLocation>
        <AssemblyName>Microsoft.PerformancePoint.Scorecards.Script, Version=14.0.0.0,
Culture=neutral, PublicKeyToken=71e9bce111e9429c</AssemblyName>
        <ForceRelease>false</ForceRelease>
      </ScriptDependency>
      <ScriptDependency>
        <ScriptLocation>/_layouts/silverlight.js</ScriptLocation>
        <ForceRelease>true</ForceRelease>
      </ScriptDependency>
    </ScriptDependencies>
  </GetScorecardDependenciesResult>
</GetScorecardDependenciesResponse>
</s:Body>
</s:Envelope>

```

4.2.2 ScorecardSupportsExportFormat

The protocol client then calls **ScorecardSupportsExportFormat** to see if the scorecard can be exported in the given format.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/
      ScorecardSupportsExportFormat
    </a:Action>
    <a:MessageID>urn:uuid:02e8da36-4611-424e-ad45-578e0561271a</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>

```

```

</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <ScorecardSupportsExportFormat xmlns="http://tempuri.org/">
    <itemFormat>PowerPoint</itemFormat>
    <scorecardLocation
      ItemUrl="/Lists/Dashboard Content/15_.000"
      ItemType="None"
      ItemGuid="00000000000000000000000000000000"
      SpSiteCollectionGuid="00000000000000000000000000000000"
      SpSiteGuid="00000000000000000000000000000000"
      SpListGuid="00000000000000000000000000000000">
    </scorecardLocation>
  </ScorecardSupportsExportFormat>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/
        ScorecardSupportsExportFormatResponse</a:Action>
    </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <ScorecardSupportsExportFormatResponse xmlns="http://tempuri.org/">
      <ScorecardSupportsExportFormatResult>
        true
      </ScorecardSupportsExportFormatResult>
    </ScorecardSupportsExportFormatResponse>
  </s:Body>
</s:Envelope>

```

4.2.3 GetSettingValue

The protocol client may check for settings values on the scorecard by calling **GetSettingValue**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/GetSettingValue
    </a:Action>
    <a:MessageID>urn:uuid:3fddf9a6-e45d-42a3-a2d0-f1817cbc78d5</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>

```

```

</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <GetSettingValue xmlns="http://tempuri.org/">
    <key>IndicatorImageCacheTime</key>
  </GetSettingValue>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/GetSettingValueResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <GetSettingValueResponse xmlns="http://tempuri.org/">
      <GetSettingValueResult>10</GetSettingValueResult>
    </GetSettingValueResponse>
  </s:Body>
</s:Envelope>

```

4.2.4 RenderScorecard

Finally, the protocol client renders the scorecard by calling **RenderScorecard**.

The protocol client creates and sends the following message (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
            xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/RenderScorecard
    </a:Action>
    <a:MessageID>urn:uuid:81f00933-7e0e-4b1d-a67f-bcb6660dcc9c</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <webSiteID xmlns="PPSMA">9edb0749-0b51-4377-b810-d3891c1ac81d</webSiteID>
    <WebSiteAbsoluteUrl xmlns="PPSMA">http://boi-ppsbeta1/</WebSiteAbsoluteUrl>
    <CurrentCultureName xmlns="PPSMA">en-US</CurrentCultureName>
    <CurrentUICultureName xmlns="PPSMA">en-US</CurrentUICultureName>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <RenderScorecard xmlns="http://tempuri.org/">
      <proxyCacheAttempt>true</proxyCacheAttempt>
      <scorecardLocation ItemUrl="/Lists/Dashboard Content/15_.000"
                        ItemType="None"
                        ItemGuid="00000000000000000000000000000000"
                        SpSiteCollectionGuid="00000000000000000000000000000000"
                        SpSiteGuid="00000000000000000000000000000000">

```

```

        SpListGuid="00000000000000000000000000000000">
    </scorecardLocation>
    <renderTargetId>ctl00_m_pps_b1f9f743481a4d578ae7720305724002</renderTargetId>
    <classResourcePath>/_layouts/PPSWebParts/</classResourcePath>
    <availableHeight></availableHeight>
    <availableWidth></availableWidth>
    <webPartContext>
        <ClientViewState>
            <Keys></Keys>
            <Values></Values>
        </ClientViewState>
        <InUseProviderParameterNames></InUseProviderParameterNames>
        <ProviderParameterSelections>
            <Keys></Keys>
            <Values></Values>
        </ProviderParameterSelections>
    </webPartContext>
    <isAccessibilityMode>>false</isAccessibilityMode>
</RenderScorecard>
</s:Body>
</s:Envelope>

```

The protocol server responds with the following (whitespace added for readability):

```

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing"
  xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action s:mustUnderstand="1">
      http://tempuri.org/IBIMonitoringServiceApplication/RenderScorecardResponse
    </a:Action>
  </s:Header>
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <RenderScorecardResponse xmlns="http://tempuri.org/">
      <proxyCacheKey></proxyCacheKey>
      <proxyCacheExpiration>0001-01-01T00:00:00</proxyCacheExpiration>
      <html>
        <div id="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002"
          name="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002"
          style="display:table;overflow:auto;">
          <div id="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv"
            name="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002$tv"
            style="display:table-row;">
            <a name="ctl00_m_pps_b1f9f743481a4d578ae7720305724002begin"
              tabindex="0"></a>
            <table id="scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv_sctbl"
              cellpadding="0" cellspacing="0" rules="all" class="bsm-sctbl"
              onkeyup="javascript:scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.
                handleTableViewKeyboardNavigation(event);"
              onclick="javascript:scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.
                selectScorecardCell(event);"
              onmousedown="javascript:scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.get_menuHandler().createContextMenu(event);"
              summary="New Scorecard" border="1"
              style="border-color:#D0D8E5;border-width:1px;border-style:solid;

```

```

border-collapse:collapse;">
<tr rId="ch-0">
  <th class="pulpit" align="center" tabindex="0"
    SortFilterColumn="RowHeaderText" ColumnType="System.String"
    rowspan="1" scope="column"
    style="background-color:#EBF3FF;border-color:#D0D8E5;
    vertical-align:
    bottom;text-align:left;"></th>
  <th align="center" ColumnType="System.Decimal"
    isDrillEnabled="false"
    class="chc" SortFilterColumn="Actual2" tabindex="0"
    isDrillUpEnabled="true" groupId="-3"
    isCellExpansionEnabled="false"
    cellId="1" cellType="Column" headerType="KpiActual"
    isDrillDownEnabled="true" colspan="1" rowspan="1"
    scope="column"
    style="color:#000000;background-color:#EBF3FF;
    border-color:#D0D8E5;
    font-family:Tahoma;font-size:8pt;vertical-align:middle;
    text-align:center;white-space:nowrap;">
    <span> Actual </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer;">
    </a>
  </th>
  <th align="center" ColumnType="System.Decimal"
    isDrillEnabled="false" class="chc" SortFilterColumn="Target3"
    tabindex="0" ColumnType2="System.Decimal"
    isDrillUpEnabled="true"
    ShowSecondValue="True" groupId="-4"
    isCellExpansionEnabled="false" cellId="2" cellType="Column"
    TargetElements="Target|Variance" headerType="KpiTarget"
    isDrillDownEnabled="true" colspan="1" rowspan="1"
    scope="column"
    style="color:#000000;background-color:#EBF3FF;
    border-color:#D0D8E5;
    font-family:Tahoma;font-size:8pt;vertical-align:middle;
    text-align:center;white-space:nowrap;">
    <span> Target </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer;"></a>
  </th>
</tr>
<tr id="scctr1ct100_m_pps_b1f9f743481a4d578ae7720305724002_tv_1"
  class="r-1" rId="1" pId="0" groupId="-1" isCollapsed="false"
  isCellExpansionEnabled="false"
  isHiddenBasedOnFilterStatus="false"
  isDynamicallyExpandedHeader="false">
  <th class="rhc" align="left" isDrillEnabled="false"
    isDrillUpEnabled="true" tabindex="0" groupId="-1"
    cellId="0" cellType="Row" headerType="Kpi"
    isDrillDownEnabled="true" scope="row"
    style="color:#000000;background-color:#FCFCFC;
    border-color:#D0D8E5;font-family:Tahoma;
    font-size:8pt;vertical-align:middle;
    text-align:left;white-space:nowrap;">
    <span> Internet Sales Amount </span>
    <a class="bsm-Link" val="bsmval"
      style="color:#000000;cursor:pointer;"></a>

```

```

</th>
<td class="bsm-ustitle" align="left" tabindex="0"
    antaction="" ddenabled="False"
    cellpath="%2fLists%2fDashboard+Content%2f14_.000Actual"
    cellId="1" annotated="False" isCollapsed="false"
    decompenabled="False" ddTuplexml="&lt;_dd /&gt;"
    colspan="1"
    style="color:#000000;background-color:#FFFFFF;border-color:
        #D0D8E5;font-family:Tahoma;font-size:8pt;vertical-align:
        middle;text-align:left;white-space:nowrap;">
    <a class="bsm-Link" val="bsmval"
        style="color:#000000;cursor:pointer;"></a>
    <div class="ContainerCell">
        <span val="true" class="ItemCell"> $29,358,677.22 </span>
    </div>
</td>
<td class="bsm-ustitle" align="left" tabindex="0" antaction=""
    ddenabled="False"
    cellpath="%2fLists%2fDashboard+Content%2f14_.000Target"
    cellId="2" annotated="True" isCollapsed="false"
    decompenabled="False" ddTuplexml="&lt;_dd /&gt;"
    colspan="1"
    style="color:#000000;background-color:#FFFFFF;border-color:
        #D0D8E5;font-family:Tahoma;font-size:8pt;vertical-align:
        middle;text-align:left;white-space:nowrap;
        background-image:
        url(/_layouts/PPSWebParts/corner.gif);">
    <a class="bsm-Link" val="bsmval"
        style="color:#000000;cursor:pointer;"></a>
    <div class="ContainerCell">
        <span val="true" class="ItemCell"> $29,358,677.22 </span>
        <span style="vertical-align:middle;" class="ItemCell">
            
        </span>
        <span val="true" class="ItemCell"> 0% </span>
    </div>
</td>
</tr>
</table>
<a name="ctl00_m_pps_b1f9f743481a4d578ae7720305724002end"
    tabindex="0"></a>
</div>
</div>
</html>
<script>var target = document.getElementById(
    'ctl00_m_pps_b1f9f743481a4d578ae7720305724002');
if (null != target) { PPSMA.ClientConnectionManager.get_instance().
    updateParameters([{"ClientId":
        "ctl00_m_pps_b1f9f743481a4d578ae7720305724002",
        "Name":"3e8bf61c-2573-4ecc-b3ff-e64632d1dabd","Selections":[]},
        {"ClientId":"ctl00_m_pps_b1f9f743481a4d578ae7720305724002","Name":
        "7d251088-1de5-4ea2-9127-8cc364b7660c","Selections":[]},{ "ClientId":
        "ctl00_m_pps_b1f9f743481a4d578ae7720305724002","Name":
        "679c7d39-346f-4441-82df-85f7e5d093d1","Selections":[]},
        {"ClientId":"ctl00_m_pps_b1f9f743481a4d578ae7720305724002",
        "Name":"ba454826-5813-4bdd-b0fc-810de5e17898","Selections":[]}]};

```



```

        scm_ctl00_m_pps_b1f9f743481a4d578ae7720305724002.initializeManager(); }
    </script>
<webPartContextUpdate>
  <ClientViewStateWrapper>
    <Keys>
      <string>StatusFilters</string>
      <string>ExpandedColumns</string>
      <string>ExpandedRows</string>
      <string>ScorecardId</string>
      <string>ConfiguredViewId</string>
      <string>ShowAnnotations</string>
      <string>ShowDetails</string>
      <string>PageFilters</string>
      <string>TimeIntelligenceCurrentTime</string>
      <string>TimeIntelligenceFormula</string>
      <string>ServiceUrl</string>
      <string>CommentsUrl</string>
      <string>ToolBarId</string>
      <string>ToolBarType</string>
      <string>TableId</string>
      <string>ViewTableType</string>
      <string>SortFilterType</string>
      <string>AccessibilityMode</string>
      <string>AllowFilter</string>
      <string>AllowSort</string>
      <string>AllowStatusFilter</string>
      <string>RollupType</string>
    </Keys>
    <Values>
      <string>[{"DisplayName":"On Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.3","IsSelected":false},
        {"DisplayName":"Slightly Off Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.2","IsSelected":false},
        {"DisplayName":"Off Target","GroupId":
        "c7648a29-9ad7-dd4f-70d8-a19655c6deb8.1","IsSelected":false}]
      </string>
      <string>1:2</string>
      <string>1</string>
      <string>8f60f30d01a4dc3e61ea7e3e6b1e4b89</string>
      <string>50289e50956c420f9509d60199260bf4</string>
      <string>true</string>
      <string>true</string>
      <string>
        %3c%3fxml+version%3d%221.0%22+encoding%3d%22utf-
        16%22%3f%3e%0d%0a%3cmsfs+%2f%3e
      </string>
      <string></string>
      <string></string>
      <string>
        /_vti_bin/PPS/BIMonitoringRenderingService.
        asmx/RenderScorecardAjaxControl
      </string>
      <string>
        /_vti_bin/PPS/BIMonitoringRenderingService.
        asmx/ScorecardAjaxCommentsUpdate
      </string>
      <string>
        scctl00_m_pps_b1f9f743481a4d578ae7720305724002_scorecardToolbar
      </string>
    </Values>
  </ClientViewStateWrapper>
</webPartContextUpdate>

```

```

<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
                                Internal.ToolbarCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c
</string>
<string>
  scctrlctl00_m_pps_b1f9f743481a4d578ae7720305724002_tv
</string>
<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
                                Internal.ViewTableCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c
</string>
<string>
  Microsoft.PerformancePoint.Scorecards.ServerRendering.
                                Internal.SortAndFilterTableCtrl,
  Microsoft.PerformancePoint.Scorecards.ServerRendering,
  Version=14.0.0.0, Culture=neutral,
  PublicKeyToken=71e9bce111e9429c
</string>
<string>false</string>
<string>true</string>
<string>true</string>
<string>true</string>
<string>None</string>
</Values>
</ClientViewStateWrapper>
</webPartContextUpdate>
</RenderScorecardResponse>
</s:Body>
</s:Envelope>

```

5 Security

5.1 Security Considerations for Implementers

Secure Sockets Layer (SSL) is required to securely implement this protocol. The protocol exposes data sources to potential tampering or data disclosure without SSL.

The security permissions for all **FirstClassElement** (see [\[MS-PPSAS\]](#)) objects are based on the SharePoint list (1) containing the object.

The security permissions for **Annotation** (see [\[MS-PPSAS\]](#)) are inherited from the parent **FirstClassElement** objects.

5.2 Index of Security Parameters

None.

6 Appendix A: Full WSDL

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://www.microsoft.com/performancepoint/scorecards"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:i0="http://www.microsoft.com/performancepoint/scorecards"
name="BIMonitoringServiceApplication"
targetNamespace="http://www.microsoft.com/performancepoint/scorecards"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema xmlns:tns="http://www.microsoft.com/performancepoint/scorecards"
attributeFormDefault="unqualified" elementFormDefault="qualified"
targetNamespace="http://www.microsoft.com/performancepoint/scorecards"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:import namespace="http://www.w3.org/2001/XMLSchema" />
      <xs:import namespace="http://microsoft.com/wsdl/types/" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" />
      <xs:import
namespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" />
      <xs:element name="UpdateSettingValue">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="value" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="UpdateSettingValueResponse">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetAnnotationSetting">
        <xs:complexType />
      </xs:element>
      <xs:element name="GetAnnotationSettingResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationSettingResult"
type="i0:AnnotationSetting" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="AnnotationSetting">
        <xs:attribute name="IsAnnotationEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsAnnotationEnabledDefault" type="xs:boolean" use="required" />
        <xs:attribute name="IsDeletionByAuthorEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsDeletionByAuthorEnabledDefault" type="xs:boolean"
use="required" />
        <xs:attribute name="MaxAnnotationAllowed" type="xs:int" use="required" />
      </xs:complexType>
      <xs:element name="GetDependentElements">
        <xs:complexType>
          <xs:sequence>
```

```

        <xs:element minOccurs="0" maxOccurs="1" name="missingItems"
type="i0:ArrayOfRepositoryLocation" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfRepositoryLocation">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="RepositoryLocation"
nillable="true" type="i0:RepositoryLocation" />
    </xs:sequence>
</xs:complexType>
<xs:element name="FirstClassObjectType" type="i0:FirstClassObjectType" />
<xs:simpleType name="FirstClassObjectType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Kpi" />
        <xs:enumeration value="Scorecard" />
        <xs:enumeration value="ReportView" />
        <xs:enumeration value="Indicator" />
        <xs:enumeration value="DataSource" />
        <xs:enumeration value="Dashboard" />
        <xs:enumeration value="TempReportView" />
        <xs:enumeration value="Filter" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="RepositoryLocation">
    <xs:attribute name="ItemUrl" type="xs:string" use="required" />
    <xs:attribute default="None" name="ItemType" type="i0:FirstClassObjectType"
use="optional" />
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="ItemGuid"
use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000"
name="SpSiteCollectionGuid" use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="SpSiteGuid"
use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:attribute>
    <xs:attribute default="00000000-0000-0000-0000-000000000000" name="SpListGuid"
use="optional">
        <xs:simpleType>
            <xs:restriction base="xs:string">

```

```

        <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}" />
    </xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:complexType>
<xs:element name="GetDependentElementsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetDependentElementsResult"
type="i0:DependentElementInfo" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="DependentElementInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="DependentLists"
type="i0:ArrayOfRepositoryList" />
        <xs:element minOccurs="0" maxOccurs="1" name="DependentElements"
type="i0:ArrayOfFirstClassElement" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfRepositoryList">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="RepositoryList"
nillable="true" type="i0:RepositoryList" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="RepositoryList">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Location">
            <xs:complexType>
                <xs:sequence>
                    <xs:element ref="xs:schema" />
                    <xs:any />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element minOccurs="1" maxOccurs="1" name="SupportedTypes"
type="i0:FCOContentType" />
        <xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string" />
        <xs:element xmlns:q1="http://microsoft.com/wsd/types/" minOccurs="1" maxOccurs="1"
name="ListId" type="q1:guid" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="FCOContentType">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="PpsDashboard" />
                <xs:enumeration value="PpsScorecard" />
                <xs:enumeration value="PpsKpi" />
                <xs:enumeration value="PpsReportView" />
                <xs:enumeration value="PpsIndicator" />
                <xs:enumeration value="PpsDataSource" />
                <xs:enumeration value="PpsFilter" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>

```

```

        </xs:list>
    </xs:simpleType>
    <xs:complexType name="ArrayOfFirstClassElement">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="FirstClassElement"
nillable="true" type="i0:FirstClassElement" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="FirstClassElement" abstract="true">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:Element">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="Version" type="i0:ElementVersion"
/>
                    <xs:element minOccurs="0" maxOccurs="1" name="Location"
type="i0:RepositoryLocation" />
                </xs:sequence>
                <xs:attribute name="Folder" type="xs:string" />
                <xs:attribute name="CreatedBy" type="xs:string" />
                <xs:attribute name="CreatedDate" type="xs:dateTime" use="required" />
                <xs:attribute name="ContentType" type="i0:FCOContentType" use="required" />
                <xs:attribute name="LastModified" type="xs:dateTime" use="required" />
                <xs:attribute name="ModifiedBy" type="xs:string" />
                <xs:attribute name="CheckedOutTo" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="Element" abstract="true">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="i0:ArrayOfBpmProperty" />
            <xs:element minOccurs="0" maxOccurs="1" name="Comments" type="i0:ArrayOfComment" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ArrayOfBpmProperty">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BpmProperty" nillable="true"
type="i0:BpmProperty" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="BpmProperty" abstract="true">
        <xs:attribute name="UniqueName" type="xs:string" />
        <xs:attribute name="DisplayName" type="xs:string" />
        <xs:attribute name="Description" type="xs:string" />
        <xs:attribute name="Required" type="xs:boolean" use="required" />
        <xs:attribute name="Visible" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:complexType name="BpmPropertyUser">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Login" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyBool">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Value" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```

```

        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyDecimal">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Decimal" type="xs:decimal" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyList">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="ListItems"
type="i0:ArrayOfBpmPropertyListItem" />
                </xs:sequence>
                <xs:attribute name="SelectedIndex" type="xs:int" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfBpmPropertyListItem">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BpmPropertyListItem"
nillable="true" type="i0:BpmPropertyListItem" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="BpmPropertyListItem">
        <xs:attribute name="Name" type="xs:string" />
        <xs:attribute name="Value" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="BpmPropertyDate">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Date" type="xs:dateTime" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyLongText">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Text" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyText">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Text" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyLinkBase">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmProperty">
                <xs:attribute name="Hyperlink" type="xs:string" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyHyperlink">

```



```

        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmPropertyLinkBase" />
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="BpmPropertyHyperlink2">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:BpmPropertyLinkBase" />
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfComment">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="Comment" nillable="true"
type="i0:Comment" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Comment">
        <xs:attribute xmlns:q2="http://microsoft.com/wsdl/types/" name="Guid" type="q2:guid"
use="required" />
        <xs:attribute name="CreatedBy" type="xs:string" />
        <xs:attribute name="CreatedDate" type="xs:dateTime" use="required" />
        <xs:attribute name="Message" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="SecondClassElement" abstract="true">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:Element">
                <xs:attribute xmlns:q3="http://microsoft.com/wsdl/types/" name="Guid"
type="q3:guid" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ConfiguredView">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:SecondClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="unbounded" name="StatusFilters"
type="i0:StatusFilter" />
                    <xs:element minOccurs="0" maxOccurs="1" name="ToolbarOptions"
type="i0:ToolbarOptions" />
                    <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="GridViewDefinition"
type="i0:GridViewDefinition" />
                </xs:sequence>
                <xs:attribute name="AllowStatusFilter" type="xs:boolean" use="required" />
                <xs:attribute name="AllowFilter" type="xs:boolean" use="required" />
                <xs:attribute name="AllowSort" type="xs:boolean" use="required" />
                <xs:attribute name="AllowAnnotations" type="xs:boolean" use="required" />
                <xs:attribute name="EmptyRowsFilterMode" type="i0:ScorecardEmptyRowsFilterMode"
use="required" />
                <xs:attribute name="AllowShowDetails" type="xs:boolean" use="required" />
                <xs:attribute name="EnableTextwrap" type="xs:boolean" use="required" />
                <xs:attribute name="AllowDynamicRowMemberExpansion" type="xs:boolean"
use="required" />
                <xs:attribute name="AllowDynamicColumnMemberExpansion" type="xs:boolean"
use="required" />
                <xs:attribute name="AllowRowDrill" type="xs:boolean" use="required" />
                <xs:attribute name="AllowColumnDrill" type="xs:boolean" use="required" />
                <xs:attribute name="AlwaysShowAnnotationCellFlags" type="xs:boolean"
use="required" />
                <xs:attribute name="ExpandToFitWidth" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```

```

        <xs:attribute name="HideScorecard" type="xs:boolean" use="required" />
        <xs:attribute name="ShowStatusFiltersByDefault" type="xs:boolean" use="required"
/>
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="StatusFilter">
    <xs:attribute xmlns:q4="http://microsoft.com/wsdl/types/"
name="IndicatorLocationGuid" type="q4:guid" use="required" />
    <xs:attribute name="BandIndex" type="xs:int" use="required" />
</xs:complexType>
<xs:complexType name="ToolbarOptions">
    <xs:attribute name="ShowInlineText" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolbar" type="xs:boolean" use="required" />
    <xs:attribute name="ShowStatusFilter" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolTips" type="xs:boolean" use="required" />
    <xs:attribute name="ShowCollapse" type="xs:boolean" use="required" />
    <xs:attribute name="ShowMode" type="xs:boolean" use="required" />
    <xs:attribute name="ShowExpand" type="xs:boolean" use="required" />
    <xs:attribute name="ShowToolbarItemsLabel" type="xs:boolean" use="required" />
    <xs:attribute name="ShowDefaultRollup" type="xs:boolean" use="required" />
    <xs:attribute name="ShowWorstChildRollup" type="xs:boolean" use="required" />
    <xs:attribute name="ShowIndicatorCount" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="GridViewDefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="CornerCellFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRowHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultColumnHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootRowHeader"
type="i0:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootColumnHeader"
type="i0:GridHeaderItem" />
        <xs:element xmlns:q5="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="DefaultRollupIndicatorId" type="q5:guid" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRollupIndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PreQueryTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PostQueryTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PreRenderTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="unbounded" name="PerUserTransforms"
type="i0:GridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellBorderColor" type="i0:GridColor"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellBorderColor"
type="i0:GridColor" />
    </xs:sequence>
    <xs:attribute name="EmptyCell" type="xs:string" />
    <xs:attribute name="InvalidCell" type="xs:string" />
    <xs:attribute name="ShowGridLines" type="xs:boolean" use="required" />
    <xs:attribute name="ShowHiddenHeaders" type="xs:boolean" use="required" />
    <xs:attribute name="ShowMetricHeaders" type="xs:boolean" use="required" />

```

```

        <xs:attribute name="ShowPlusMinus" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:complexType name="GridFormatInfo">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="FontInfo" type="i0:GridFontInfo" />
            <xs:element minOccurs="0" maxOccurs="1" name="ForeColor" type="i0:GridColor" />
            <xs:element minOccurs="0" maxOccurs="1" name="BackColor" type="i0:GridColor" />
        </xs:sequence>
        <xs:attribute name="TextWrap" type="i0:Trinary" use="required" />
        <xs:attribute name="VerticalAlignment" type="i0:VerticalAlignments" use="required" />
        <xs:attribute name="HorizontalAlignment" type="i0:HorizontalAlignments"
use="required" />
    </xs:complexType>
    <xs:complexType name="GridFontInfo">
        <xs:attribute name="FamilyName" type="xs:string" />
        <xs:attribute name="SizeInPoints" type="xs:float" use="required" />
        <xs:attribute name="Bold" type="i0:Trinary" use="required" />
        <xs:attribute name="Italic" type="i0:Trinary" use="required" />
        <xs:attribute name="Underline" type="i0:Trinary" use="required" />
        <xs:attribute name="Strikeout" type="i0:Trinary" use="required" />
    </xs:complexType>
    <xs:simpleType name="Trinary">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Undefined" />
            <xs:enumeration value="False" />
            <xs:enumeration value="True" />
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="GridColor">
        <xs:attribute name="A" type="xs:unsignedByte" use="required" />
        <xs:attribute name="R" type="xs:unsignedByte" use="required" />
        <xs:attribute name="G" type="xs:unsignedByte" use="required" />
        <xs:attribute name="B" type="xs:unsignedByte" use="required" />
    </xs:complexType>
    <xs:simpleType name="VerticalAlignments">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Undefined" />
            <xs:enumeration value="Top" />
            <xs:enumeration value="Middle" />
            <xs:enumeration value="Bottom" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="HorizontalAlignments">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Undefined" />
            <xs:enumeration value="Left" />
            <xs:enumeration value="Center" />
            <xs:enumeration value="Right" />
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="GridHeaderItem">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="HeaderFormatInfo"
type="i0:GridFormatInfo" />
            <xs:element minOccurs="0" maxOccurs="1" name="CellFormatInfo"
type="i0:GridFormatInfo" />
            <xs:element minOccurs="0" maxOccurs="1" name="Children"
type="i0:ArrayOfGridHeaderItem" />
            <xs:element minOccurs="0" maxOccurs="1" name="SerializeTag" />

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="DimensionMember" type="i0:Member" />
        <xs:element minOccurs="0" maxOccurs="1" name="OverrideIndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="Banding" type="i0:Banding" />
        <xs:element minOccurs="0" maxOccurs="1" name="LinkedKpiLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="BpmProperties"
type="i0:ArrayOfBpmProperty" />
        <xs:element minOccurs="0" maxOccurs="1" name="TargetSettings"
type="i0:GridTargetSettings" />
        <xs:element minOccurs="0" maxOccurs="1" name="TrendIndicatorLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
    <xs:attribute name="Id" type="xs:int" use="required" />
    <xs:attribute xmlns:q6="http://microsoft.com/wsdl/types/" name="Guid" type="q6:guid"
use="required" />
    <xs:attribute xmlns:q7="http://microsoft.com/wsdl/types/" name="DefinitionGuid"
type="q7:guid" use="required" />
    <xs:attribute name="DisplayText" type="xs:string" />
    <xs:attribute name="DimensionName" type="xs:string" />
    <xs:attribute name="DimensionValue" type="xs:string" />
    <xs:attribute name="HeaderType" type="i0:ScorecardNodeTypes" use="required" />
    <xs:attribute name="GroupId" type="xs:int" use="required" />
    <xs:attribute name="Depth" type="xs:int" use="required" />
    <xs:attribute name="DescendantSpan" type="xs:int" use="required" />
    <xs:attribute name="LeafSpan" type="xs:int" use="required" />
    <xs:attribute name="IsCollapsed" type="xs:boolean" use="required" />
    <xs:attribute name="IsDynamicCellExpansionEnabled" type="xs:boolean" use="required"
/>

    <xs:attribute name="IsDrillEnabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDrillDownDisabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDrillUpDisabled" type="xs:boolean" use="required" />
    <xs:attribute name="IsDynamicallyExpandedHeader" type="xs:boolean" use="required" />
    <xs:attribute name="IsCellHidden" type="xs:boolean" use="required" />
    <xs:attribute name="IsPathHidden" type="xs:boolean" use="required" />
    <xs:attribute name="IsHiddenBasedOnFilterStatus" type="xs:boolean" use="required" />
    <xs:attribute name="NamedSetExpression" type="xs:string" />
    <xs:attribute name="CustomSetFormula" type="xs:string" />
    <xs:attribute name="IsNamedSetInError" type="xs:boolean" use="required" />
    <xs:attribute name="IsNamedSetEmpty" type="xs:boolean" use="required" />
    <xs:attribute name="NamedSetType" type="i0:ScorecardNamedSetType" use="required" />
    <xs:attribute name="UseLinkedElementDisplayText" type="xs:boolean" use="required" />
    <xs:attribute name="Hyperlink" type="xs:string" />
    <xs:attribute name="ShowHyperlinkInNewWindow" type="xs:boolean" use="required" />
    <xs:attribute name="IsHierarchyHeader" type="xs:boolean" use="required" />
    <xs:attribute name="IsColumnHeader" type="xs:boolean" use="required" />
    <xs:attribute name="AppendFilterInfoToHyperlink" type="xs:boolean" use="required" />
    <xs:attribute name="Weight" type="xs:decimal" use="required" />
    <xs:attribute name="KpiTargetName" type="xs:string" />
    <xs:attribute name="AggregationType" type="i0:HeaderAggregationTypes" use="required"
/>

</xs:complexType>
<xs:complexType name="ArrayOfGridHeaderItem">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridHeaderItem"
nillable="true" type="i0:GridHeaderItem" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="Member">
    <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="MemberOperation"
type="i0:MemberOperation" />
    </xs:sequence>
    <xs:attribute name="Caption" type="xs:string" />
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="HierarchyPath" type="xs:string" />
    <xs:attribute name="LevelName" type="xs:string" />
    <xs:attribute name="DimensionName" type="xs:string" />
    <xs:attribute name="LevelDepth" type="xs:int" use="required" />
    <xs:attribute name="ChildCount" type="xs:long" use="required" />
    <xs:attribute name="IsChildCountReal" type="xs:boolean" use="required" />
    <xs:attribute name="IsAllLevel" type="xs:boolean" use="required" />
    <xs:attribute name="DimensionUniqueName" type="xs:string" />
    <xs:attribute name="MemberType" type="i0:MemberType" use="required" />
</xs:complexType>
<xs:complexType name="MemberOperation" abstract="true" />
<xs:complexType name="MemberOperationDrillUp">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationChildren">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationAllDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationLeafDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationHide">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="MemberOperationDescendants">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:MemberOperation">
            <xs:attribute name="LevelUniqueName" type="xs:string" />
            <xs:attribute name="LevelDisplayName" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="MemberType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Regular" />
        <xs:enumeration value="Operation" />
        <xs:enumeration value="Default" />
        <xs:enumeration value="Formula" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="CalculatedMember">
    <xs:complexContent mixed="false">

```

```

        <xs:extension base="i0:Member">
            <xs:attribute name="Expression" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="Banding">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="CustomBoundary"
type="i0:ArrayOfDecimal" />
    </xs:sequence>
    <xs:attribute name="Type" type="i0:BandType" use="required" />
    <xs:attribute name="BandValue" type="xs:string" />
    <xs:attribute name="ActualWorst" type="xs:decimal" use="required" />
    <xs:attribute name="SpreadMinimum" type="xs:decimal" use="required" />
    <xs:attribute name="SpreadMaximum" type="xs:decimal" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfDecimal">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="decimal" type="xs:decimal" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="BandType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Normalized" />
        <xs:enumeration value="Actual" />
        <xs:enumeration value="StatedScore" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridTargetSettings">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="VarianceSettings"
type="i0:GridVarianceSettings" />
        <xs:element minOccurs="1" maxOccurs="1" name="FilterEmptyRows" type="xs:boolean" />
        <xs:element minOccurs="1" maxOccurs="1" name="Position" type="i0:DataValuePosition"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="PositionActual"
type="i0:DataValuePosition" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScoreSettings"
type="i0:GridScoreSettings" />
        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorSettings"
type="i0:GridIndicatorSettings" />
    </xs:sequence>
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="ShowActualAsTarget" type="xs:boolean" use="required" />
    <xs:attribute name="IgnoreScoreFilter" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="GridVarianceSettings">
    <xs:attribute name="NumDecimalPlaces" type="xs:int" use="required" />
    <xs:attribute name="VarianceType" type="i0:VarianceType" use="required" />
    <xs:attribute name="DisplayType" type="i0:VarianceDisplayType" use="required" />
    <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
    <xs:attribute name="Position" type="i0:DataValuePosition" use="required" />
</xs:complexType>
<xs:simpleType name="VarianceType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="VarianceToTarget" />
        <xs:enumeration value="VarianceToBestTarget" />
    </xs:restriction>
</xs:simpleType>

```

```

<xs:simpleType name="VarianceDisplayType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ShowPercent" />
    <xs:enumeration value="ShowValue" />
    <xs:enumeration value="ShowInvertedPercent" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DataValuePosition">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Left" />
    <xs:enumeration value="Right" />
    <xs:enumeration value="NotDisplayed" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridScoreSettings">
  <xs:attribute name="ShowValue" type="xs:boolean" use="required" />
  <xs:attribute name="ScoreType" type="i0:ScoreTypes" use="required" />
  <xs:attribute name="RollupType" type="i0:RollupTypes" use="required" />
  <xs:attribute name="Position" type="i0:DataValuePosition" use="required" />
</xs:complexType>
<xs:simpleType name="ScoreTypes">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Normalized" />
    <xs:enumeration value="Raw" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="RollupTypes">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None" />
    <xs:enumeration value="AverageWeighted" />
    <xs:enumeration value="WorstChild" />
    <xs:enumeration value="IndicatorCount" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridIndicatorSettings">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="Position" type="i0:IndicatorPosition"
/>
    </xs:sequence>
    <xs:attribute name="ShowImage" type="xs:boolean" use="required" />
    <xs:attribute name="ShowText" type="xs:boolean" use="required" />
    <xs:attribute name="ShowForeColor" type="xs:boolean" use="required" />
    <xs:attribute name="ShowBackColor" type="xs:boolean" use="required" />
  </xs:complexType>
<xs:simpleType name="IndicatorPosition">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Left" />
    <xs:enumeration value="Right" />
    <xs:enumeration value="Center" />
    <xs:enumeration value="NotDisplayed" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ScorecardNodeTypes">
  <xs:list>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Member" />
        <xs:enumeration value="Kpi" />

```

```

        <xs:enumeration value="KpiActual" />
        <xs:enumeration value="KpiTarget" />
        <xs:enumeration value="ScorecardDetails" />
        <xs:enumeration value="DocumentLinks" />
        <xs:enumeration value="NamedSet" />
        <xs:enumeration value="Aggregate" />
    </xs:restriction>
</xs:simpleType>
</xs:list>
</xs:simpleType>
<xs:simpleType name="ScorecardNamedSetType">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="NamedSet" />
                <xs:enumeration value="CustomFormula" />
                <xs:enumeration value="TimeFormula" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>
<xs:simpleType name="HeaderAggregationTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Average" />
        <xs:enumeration value="Min" />
        <xs:enumeration value="Max" />
        <xs:enumeration value="Trend" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridViewTransformReference">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Parameters" type="i0:PropertyBag" />
    </xs:sequence>
    <xs:attribute name="Id" type="xs:string" />
</xs:complexType>
<xs:complexType name="PropertyBag">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfChoice1" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true"
type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfChoice1">
    <xs:choice minOccurs="0" maxOccurs="unbounded">
        <xs:element xmlns:q8="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="char" type="q8:char" />
        <xs:element minOccurs="1" maxOccurs="1" name="ArrayOfMemberTransform"
nillable="true" type="i0:ArrayOfMemberTransform" />
        <xs:element minOccurs="1" maxOccurs="1" name="int" type="xs:int" />
        <xs:element minOccurs="1" maxOccurs="1" name="double" type="xs:double" />
    </xs:choice>
</xs:complexType>

```



```

        <xs:element minOccurs="1" maxOccurs="1" name="string" nillable="true"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="dateTime" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="decimal" type="xs:decimal" />
        <xs:element xmlns:q9="http://microsoft.com/wsdl/types/" minOccurs="1" maxOccurs="1"
name="guid" type="q9:guid" />
        <xs:element minOccurs="1" maxOccurs="1" name="ArrayOfString" nillable="true"
type="i0:ArrayOfString" />
        <xs:element minOccurs="1" maxOccurs="1" name="ArrayOfMember" nillable="true"
type="i0:ArrayOfMember" />
    </xs:choice>
</xs:complexType>
<xs:complexType name="ArrayOfMemberTransform">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="MemberTransform"
nillable="true" type="i0:MemberTransform" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="MemberTransform">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="GroupId" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellPath" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="Type" type="i0:MemberTransformType"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="Operation"
type="i0:MemberTransformOperation" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="MemberTransformType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Row" />
        <xs:enumeration value="Column" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MemberTransformOperation">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Replace" />
        <xs:enumeration value="DrillUp" />
        <xs:enumeration value="DrillDown" />
        <xs:enumeration value="Expand" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfMember">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Member" nillable="true"
type="i0:Member" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="ScorecardEmptyRowsFilterMode">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="AllValuesAreEmpty" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardElement" abstract="true">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:SecondClassElement">
            <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="Height"
type="i0:DashboardElementSize" />
        <xs:element minOccurs="0" maxOccurs="1" name="Width"
type="i0:DashboardElementSize" />
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="DashboardElementSize">
    <xs:attribute name="Measurement" type="xs:int" use="required" />
    <xs:attribute name="Units" type="i0:SizeType" use="required" />
</xs:complexType>
<xs:simpleType name="SizeType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="AutoSize" />
        <xs:enumeration value="Absolute" />
        <xs:enumeration value="Percent" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardElementContainer">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:DashboardElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="DashboardElements"
type="i0:ArrayOfDashboardElement" />
            </xs:sequence>
            <xs:attribute name="Orientation" type="i0:LayoutOrientation" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfDashboardElement">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DashboardElement"
nillable="true" type="i0:DashboardElement" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="LayoutOrientation">
    <xs:restriction base="xs:string">
        <xs:enumeration value="HorizontalLeftJustified" />
        <xs:enumeration value="HorizontalRightJustified" />
        <xs:enumeration value="VerticalBottomJustified" />
        <xs:enumeration value="VerticalTopJustified" />
        <xs:enumeration value="Stacked" />
        <xs:enumeration value="Hidden" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DashboardItem">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:DashboardElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="InboundParameters"
type="i0:ArrayOfParameterMapping" />
                <xs:element minOccurs="0" maxOccurs="1" name="UnderlyingElementLocation"
type="i0:RepositoryLocation" />
            </xs:sequence>
            <xs:attribute name="UnderlyingElementTypeName" type="xs:string" />
            <xs:attribute name="AutoSizeWidth" type="xs:boolean" use="required" />
            <xs:attribute name="AutoSizeHeight" type="xs:boolean" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

```

        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ArrayOfParameterMapping">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterMapping"
nillable="true" type="i0:ParameterMapping" />
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ParameterMapping">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ConditionalData">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute name="EndPointUniqueName" type="xs:string" />
        <xs:attribute xmlns:q10="http://microsoft.com/wsdl/types/" name="Id" type="q10:guid"
use="required" />
        <xs:attribute name="SourceColumnName" type="xs:string" />
        <xs:attribute xmlns:q11="http://microsoft.com/wsdl/types/" name="DashboardItemId"
type="q11:guid" use="required" />
        <xs:attribute name="ParameterUniqueName" type="xs:string" />
        <xs:attribute name="PostFormula" type="xs:string" />
        <xs:attribute name="IsConditionalDataEnabled" type="xs:boolean" use="required" />
        <xs:attribute name="IsDefaultVisibility" type="xs:boolean" use="required" />
    </xs:complexType>
    <xs:complexType name="KpiMeasure">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:SecondClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="OwnerKpiLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="DefaultDimensionSettings"
type="i0:ArrayOfDefaultDimensionSetting" />
                    <xs:element minOccurs="0" maxOccurs="1" name="OverrideFormatProperties"
type="i0:KpiNumberFormatProperties" />
                    <xs:element minOccurs="0" maxOccurs="1" name="CalcFormulaInfo"
type="i0:CalculatedFormulaInfo" />
                </xs:sequence>
                <xs:attribute name="AggregateBy" type="i0:AggregateTypeEnum" use="required" />
                <xs:attribute name="DisableScorecardFilters" type="xs:boolean" use="required" />
                <xs:attribute name="ModelCurrent" type="xs:decimal" use="required" />
                <xs:attribute name="Pattern" type="i0:KpiPattern" use="required" />
                <xs:attribute name="CurrentFormula" type="xs:string" />
                <xs:attribute name="IsCustomCurrentFormula" type="xs:boolean" use="required" />
                <xs:attribute name="OdbcQuery" type="xs:string" />
                <xs:attribute name="OverrideHoverText" type="xs:string" />
                <xs:attribute name="TimeFilterFormula" type="xs:string" />
                <xs:attribute name="ValueSource" type="i0:ValueSources" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>

```

```

<xs:complexType name="ArrayOfDefaultDimensionSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DefaultDimensionSetting"
nillable="true" type="i0:DefaultDimensionSetting" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="DefaultDimensionSetting">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:Dimension">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Members" type="i0:Member"
/>
        </xs:sequence>
        <xs:attribute name="IsVisible" type="xs:boolean" use="required" />
        <xs:attribute name="ShowAsSlider" type="xs:boolean" use="required" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
<xs:complexType name="Dimension">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="MeasureGroupNames"
type="i0:ArrayOfString" />
        <xs:element minOccurs="1" maxOccurs="1" name="Type" type="i0:DimensionTypeEnum"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="Hierarchies"
type="i0:ArrayOfHierarchy" />
        <xs:element minOccurs="0" maxOccurs="1" name="Levels" type="i0:ArrayOfLevel" />
      </xs:sequence>
      <xs:attribute name="IsMeasureDimension" type="xs:boolean" use="required" />
      <xs:attribute name="DefaultMemberName" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="NameInfo">
  <xs:attribute name="DisplayName" type="xs:string" />
  <xs:attribute name="UniqueName" type="xs:string" />
  <xs:attribute name="Description" type="xs:string" />
</xs:complexType>
<xs:complexType name="Level">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:attribute name="DimensionUniqueName" type="xs:string" />
      <xs:attribute name="HierarchyUniqueName" type="xs:string" />
      <xs:attribute name="IsAllLevel" type="xs:boolean" use="required" />
      <xs:attribute name="LevelNumber" type="xs:int" use="required" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="Hierarchy">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Levels" type="i0:ArrayOfLevel" />
      </xs:sequence>
      <xs:attribute name="DefaultMemberName" type="xs:string" />
      <xs:attribute name="DimensionUniqueName" type="xs:string" />
      <xs:attribute name="DisplayFolder" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```

        <xs:attribute name="HierarchyOrigin" type="i0:HierarchyOrigin" use="required" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfLevel">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Level" nillable="true"
type="i0:Level" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="HierarchyOrigin">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="AttributeHierarchy" />
        <xs:enumeration value="ParentChildHierarchy" />
        <xs:enumeration value="UserHierarchy" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DimensionTypeEnum">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Accounts" />
        <xs:enumeration value="BillOfMaterials" />
        <xs:enumeration value="Channel" />
        <xs:enumeration value="Currency" />
        <xs:enumeration value="Customers" />
        <xs:enumeration value="Geography" />
        <xs:enumeration value="Measure" />
        <xs:enumeration value="Organization" />
        <xs:enumeration value="Other" />
        <xs:enumeration value="Products" />
        <xs:enumeration value="Promotion" />
        <xs:enumeration value="Quantitative" />
        <xs:enumeration value="Rates" />
        <xs:enumeration value="Scenario" />
        <xs:enumeration value="Time" />
        <xs:enumeration value="Unknown" />
        <xs:enumeration value="Utility" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfHierarchy">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Hierarchy" nillable="true"
type="i0:Hierarchy" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="KpiNumberFormatProperties">
    <xs:attribute name="Multiplier" type="xs:decimal" use="required" />
    <xs:attribute name="FormatType" type="i0:FormatType" use="required" />
    <xs:attribute name="CurrencySymbol" type="xs:string" />
    <xs:attribute name="DecimalPlaces" type="xs:int" use="required" />
    <xs:attribute name="NegativeSymbol" type="i0:FormatNegativeSymbol" use="required" />
    <xs:attribute name="ShowZeroAs" type="xs:string" />
    <xs:attribute name="UseThousandsSeparator" type="xs:boolean" use="required" />
    <xs:attribute name="AdditionalTextLeft" type="xs:string" />
    <xs:attribute name="AdditionalTextRight" type="xs:string" />
</xs:complexType>
<xs:simpleType name="FormatType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Default" />

```

```

        <xs:enumeration value="Number" />
        <xs:enumeration value="Currency" />
        <xs:enumeration value="Percentage" />
        <xs:enumeration value="Unknown" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="FormatNegativeSymbol">
    <xs:restriction base="xs:string">
        <xs:enumeration value="NegativeSign" />
        <xs:enumeration value="Parenthesis" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="CalculatedFormulaInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="AliasInfoCollection"
type="i0:ArrayOfAliasInfo" />
    </xs:sequence>
    <xs:attribute name="Formula" type="xs:string" />
</xs:complexType>
<xs:complexType name="ArrayOfAliasInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AliasInfo" nillable="true"
type="i0:AliasInfo" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="AliasInfo">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="AliasCalculationInfo"
type="i0:KpiMeasure" />
    </xs:sequence>
    <xs:attribute name="AliasName" type="xs:string" />
</xs:complexType>
<xs:simpleType name="AggregateTypeEnum">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Default" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Minimum" />
        <xs:enumeration value="Maximum" />
        <xs:enumeration value="Count" />
        <xs:enumeration value="Average" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="KpiPattern">
    <xs:restriction base="xs:string">
        <xs:enumeration value="IncreasingIsBetter" />
        <xs:enumeration value="DecreasingIsBetter" />
        <xs:enumeration value="CloserToTargetIsBetter" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ValueSources">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Default" />
        <xs:enumeration value="NoValue" />
        <xs:enumeration value="SourceData" />
        <xs:enumeration value="Text" />
        <xs:enumeration value="AverageRollup" />
        <xs:enumeration value="MinRollup" />
        <xs:enumeration value="MaxRollup" />
        <xs:enumeration value="TotalRollup" />
    </xs:restriction>
</xs:simpleType>

```

```

        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="Target">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:KpiMeasure">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
                    <xs:element minOccurs="0" maxOccurs="1" name="StatedScore" type="i0:KpiMeasure"
/>
                    <xs:element minOccurs="0" maxOccurs="1" name="Banding" type="i0:Banding" />
                    <xs:element xmlns:q12="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="RelatedActualId" type="q12:guid" />
                </xs:sequence>
                <xs:attribute name="IsRollupScore" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ElementVersion">
        <xs:attribute name="Major" type="xs:int" use="required" />
        <xs:attribute name="Minor" type="xs:int" use="required" />
    </xs:complexType>
    <xs:complexType name="Indicator">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:FirstClassElement">
                <xs:sequence>
                    <xs:element minOccurs="0" maxOccurs="1" name="NoDataIndicatorBand"
type="i0:IndicatorBand" />
                    <xs:element minOccurs="0" maxOccurs="1" name="IndicatorBands"
type="i0:ArrayOfIndicatorBand" />
                </xs:sequence>
                <xs:attribute name="IndicatorType" type="i0:IndicatorType" use="required" />
                <xs:attribute name="IsBuiltIn" type="xs:boolean" use="required" />
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="IndicatorBand">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ImageData" type="xs:string" />
        </xs:sequence>
        <xs:attribute name="Color" type="xs:string" />
        <xs:attribute name="BackColor" type="xs:string" />
        <xs:attribute name="ToolTip" type="xs:string" />
    </xs:complexType>
    <xs:complexType name="ArrayOfIndicatorBand">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="IndicatorBand"
nillable="true" type="i0:IndicatorBand" />
        </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="IndicatorType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Standard" />
            <xs:enumeration value="Centered" />
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="Scorecard">
        <xs:complexContent mixed="false">
            <xs:extension base="i0:FirstClassElement">

```

```

        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="ConfiguredViews"
type="i0:ArrayOfConfiguredView" />
            <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="i0:ArrayOfEndPoint" />
            <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="i0:ArrayOfParameterDefinition" />
        </xs:sequence>
        <xs:attribute name="RendererClassName" type="xs:string" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfConfiguredView">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ConfiguredView"
nillable="true" type="i0:ConfiguredView" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfEndPoint">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="EndPoint" nillable="true"
type="i0:EndPoint" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="EndPoint">
    <xs:attribute name="Category" type="i0:EndPointCategory" use="required" />
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="DisplayName" type="xs:string" />
    <xs:attribute name="AcceptsMultipleFilterLinks" type="xs:boolean" use="required" />
</xs:complexType>
<xs:simpleType name="EndPointCategory">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None" />
        <xs:enumeration value="Axis" />
        <xs:enumeration value="ColumnHierarchy" />
        <xs:enumeration value="RowHierarchy" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfParameterDefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ParameterDefinition"
nillable="true" type="i0:ParameterDefinition" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ParameterDefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ParameterUniqueName" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayValues">
            <xs:complexType>
                <xs:sequence>
                    <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                    <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element minOccurs="0" maxOccurs="1" name="CustomDefinition" type="xs:string" />
    </xs:sequence>
</xs:complexType>

```



```

        <xs:element minOccurs="0" maxOccurs="1" name="ParameterProviderId" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayName" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="EmitterType"
type="i0:BeginPointEmitterType" />
        <xs:element minOccurs="0" maxOccurs="1" name="KeyColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="ParentKeyColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="IsDefaultColumn" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultPostFormula" type="xs:string"
/>
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="BeginPointEmitterType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="BothAConditionalVisibilityAndParameterEmitter" />
        <xs:enumeration value="ConditionalVisibilityEmitter" />
        <xs:enumeration value="ParameterEmitter" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="Filter">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="i0:ArrayOfParameterDefinition" />
                <xs:element minOccurs="0" maxOccurs="1" name="DataSourceLocation"
type="i0:RepositoryLocation" />
                <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="i0:ArrayOfEndPoint" />
            </xs:sequence>
            <xs:attribute name="SubTypeId" type="xs:string" />
            <xs:attribute name="ReadOnly" type="xs:boolean" use="required" />
            <xs:attribute name="SelectionMode" type="i0:FilterSelectionMode" use="required"
/>
            <xs:attribute name="Visualization" type="xs:string" />
            <xs:attribute name="RendererClassName" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="FilterSelectionMode">
    <xs:restriction base="xs:string">
        <xs:enumeration value="SingleSelect" />
        <xs:enumeration value="MultiSelect" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="DataSource">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="CustomTimeIntelligenceSettings"
type="xs:string" />
                <xs:element minOccurs="0" maxOccurs="1" name="DataTableMapping"
type="i0:DataTableMapping" />
            </xs:sequence>
            <xs:attribute name="SourceName" type="xs:string" />
            <xs:attribute name="ServerName" type="xs:string" />
            <xs:attribute name="DatabaseName" type="xs:string" />

```

```

        <xs:attribute name="CubeName" type="xs:string" />
        <xs:attribute name="CubeDisplayName" type="xs:string" />
        <xs:attribute name="FormattingDimensionName" type="xs:string" />
        <xs:attribute name="FormattingDimensionDisplayName" type="xs:string" />
        <xs:attribute name="FormattingDimensionType" type="i0:DimensionTypeEnum"
use="required" />
        <xs:attribute name="ConnectionString" type="xs:string" />
        <xs:attribute name="Roles" type="xs:string" />
        <xs:attribute name="UseConnectionString" type="xs:boolean" use="required" />
        <xs:attribute name="ConnectionContext" type="i0:ConnectionContext" use="required"
/>

        <xs:attribute name="PassUserNameAsAdomdCustomData" type="xs:boolean"
use="required" />
        <xs:attribute name="ReadOnly" type="xs:boolean" use="required" />
        <xs:attribute name="MinutesToCache" type="xs:int" use="required" />
        <xs:attribute name="ServerMajorVersion" type="xs:int" use="required" />
        <xs:attribute name="SubTypeId" type="xs:string" />
        <xs:attribute name="TargetApplicationId" type="xs:string" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="DataTableMapping">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ColumnMappings"
type="i0:ArrayOfDataColumnMapping" />
        <xs:element minOccurs="0" maxOccurs="1" name="MasterTimeColumn"
type="i0:DataColumnMapping" />
    </xs:sequence>
    <xs:attribute name="DateAggregationType" type="i0:DateAggregationTypes"
use="required" />
    <xs:attribute name="CalendarStartMonth" type="xs:int" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfDataColumnMapping">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DataColumnMapping"
nillable="true" type="i0:DataColumnMapping" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DataColumnMapping">
    <xs:attribute name="UniqueName" type="xs:string" />
    <xs:attribute name="KeyColumnName" type="xs:string" />
    <xs:attribute name="SourceColumnName" type="xs:string" />
    <xs:attribute name="FriendlyColumnName" type="xs:string" />
    <xs:attribute name="ColumnType" type="i0:MappedColumnTypes" use="required" />
    <xs:attribute name="FactAggregation" type="i0:FactAggregations" use="required" />
    <xs:attribute name="ColumnDataType" type="i0:MappedColumnDataTypes" use="required" />
</xs:complexType>
<xs:simpleType name="MappedColumnTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Ignore" />
        <xs:enumeration value="Fact" />
        <xs:enumeration value="Dimension" />
        <xs:enumeration value="TimeDimension" />
        <xs:enumeration value="Key" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="FactAggregations">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Average" />

```

```

        <xs:enumeration value="Count" />
        <xs:enumeration value="Max" />
        <xs:enumeration value="Min" />
        <xs:enumeration value="None" />
        <xs:enumeration value="StDev" />
        <xs:enumeration value="Sum" />
        <xs:enumeration value="Variance" />
        <xs:enumeration value="FirstOccurance" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MappedColumnDataTypes">
    <xs:restriction base="xs:string">
        <xs:enumeration value="NotSupported" />
        <xs:enumeration value="Number" />
        <xs:enumeration value="String" />
        <xs:enumeration value="DateTime" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DateAggregationTypes">
    <xs:list>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:enumeration value="None" />
                <xs:enumeration value="Second" />
                <xs:enumeration value="Minute" />
                <xs:enumeration value="Hour" />
                <xs:enumeration value="Day" />
                <xs:enumeration value="Week" />
                <xs:enumeration value="Month" />
                <xs:enumeration value="Quarter" />
                <xs:enumeration value="Year" />
                <xs:enumeration value="Semester" />
            </xs:restriction>
        </xs:simpleType>
    </xs:list>
</xs:simpleType>
<xs:simpleType name="ConnectionContext">
    <xs:restriction base="xs:string">
        <xs:enumeration value="ConnectAsUser" />
        <xs:enumeration value="ConnectAsSharedUser" />
        <xs:enumeration value="SecureStoreCredentials" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="Dashboard">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:FirstClassElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="Pages"
type="i0:ArrayOfDashboardElement" />
            </xs:sequence>
            <xs:attribute name="TemplateType" type="xs:string" />
            <xs:attribute name="DeploymentPath" type="xs:string" />
            <xs:attribute name="SitePath" type="xs:string" />
            <xs:attribute name="MasterPagePath" type="xs:string" />
            <xs:attribute name="MasterPageDisplayName" type="xs:string" />
            <xs:attribute name="PageList" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

```

<xs:complexType name="Kpi">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:FirstClassElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Actuals"
type="i0:ArrayOfKpiMeasure" />
        <xs:element minOccurs="0" maxOccurs="1" name="Targets" type="i0:ArrayOfTarget"
/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfKpiMeasure">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KpiMeasure" nillable="true"
type="i0:KpiMeasure" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfTarget">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Target" nillable="true"
type="i0:Target" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ReportView">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:FirstClassElement">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomData" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="EndPoints"
type="i0:ArrayOfEndPoint" />
        <xs:element minOccurs="0" maxOccurs="1" name="BeginPoints"
type="i0:ArrayOfParameterDefinition" />
      </xs:sequence>
      <xs:attribute name="TypeName" type="xs:string" />
      <xs:attribute name="RenderClientSide" type="xs:boolean" use="required" />
      <xs:attribute xmlns:q13="http://microsoft.com/wsdl/types/"
name="ConfiguredViewId" type="q13:guid" use="required" />
      <xs:attribute name="SubTypeId" type="xs:string" />
      <xs:attribute name="RendererClassName" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="GetTreeMembersDataTable">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberKeysStr"
type="xs:string" />
      <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int" />
      <xs:element minOccurs="1" maxOccurs="1" name="count" type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

<xs:complexType name="TvcNodeInfo">
  <xs:attribute name="Key" type="xs:string" />
  <xs:attribute name="ParentKey" type="xs:string" />
  <xs:attribute name="DisplayValue" type="xs:string" />
  <xs:attribute name="MemberUniqueName" type="xs:string" />
  <xs:attribute name="IsDefault" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfTvcNodeInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="TvcNodeInfo" nillable="true"
type="i0:TvcNodeInfo" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetTreeMembersDataTableResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetTreeMembersDataTableResult"
type="i0:ArrayOfTvcNodeInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RenderTreeMemberSelector">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="dimensionUniqueName"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="selectedMemberNamesStr"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="clientInstance" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="index" type="xs:int" />
      <xs:element minOccurs="1" maxOccurs="1" name="maxNumRecordsToRender"
type="xs:int" />
      <xs:element minOccurs="0" maxOccurs="1" name="resourcePath" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeHeaderFlagStr"
type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="displayTreeFooterFlagStr"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RenderTreeMemberSelectorResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="RenderTreeMemberSelectorResult"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetListItems">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

    <xs:element name="GetListItemsResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetListItemsResult"
type="i0:ArrayOfFirstClassElement" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderFilter">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="filterLocation" nillable="true"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
/>
          <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
/>
          <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
/>
          <xs:element
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q14:WebPartContext" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderFilterResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
          <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
          <xs:element
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q15:WebPartContextUpdate" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetReportDependencies">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:complexType name="ResourceDependencies">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ExternalCssDependencies"
type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScriptDependencies"
type="i0:ArrayOfScriptDependency" />
        <xs:element minOccurs="0" maxOccurs="1" name="CustomStartupScript" type="xs:string"
/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ArrayOfScriptDependency">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ScriptDependency"
type="i0:ScriptDependency" />
      </xs:sequence>
    </xs:complexType>

```

```

<xs:complexType name="ScriptDependency">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="ScriptLocation" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetReportDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetReportDependenciesResult"
type="i0:ResourceDependencies" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ReportSupportsExportFormat">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="i0:ExportFormat"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="ExportFormat">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Excel" />
    <xs:enumeration value="PowerPoint" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="ReportSupportsExportFormatResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ReportSupportsExportFormatResult"
type="xs:boolean" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportReport">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"
/>
      <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q16:WebPartContext" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ExportReportResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" minOccurs="0" name="ExportReportResult" nillable="true"
type="q17:OfficeExportInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

    <xs:element name="ScorecardSupportsExportFormat">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="itemFormat" type="i0:ExportFormat"
        />
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ScorecardSupportsExportFormatResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1"
name="ScorecardSupportsExportFormatResult" type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ExportScorecard">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="exportSettings" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="i0:RepositoryLocation" />
        <xs:element
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q18:WebPartContext" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ExportScorecardResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" minOccurs="0" name="ExportScorecardResult" nillable="true"
type="q19:OfficeExportInfo" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RenderReport">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean" />
          <xs:element minOccurs="0" name="reportLocation" nillable="true"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
        />
          <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
        />
        <xs:element
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q20:WebPartContext" />
          <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>

```



```

    <xs:element name="RenderReportResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"
        />
          <xs:element
            xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
            erCommon" minOccurs="0" name="proxyCacheSubs" nillable="true"
            type="q21:ArrayOfSubstitutionPair" />
            <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
            <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
            <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
            <xs:element
              xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
              minOccurs="0" name="webPartContextUpdate" nillable="true" type="q22:WebPartContextUpdate" />
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="GetScorecardDependencies">
          <xs:complexType>
            <xs:sequence>
              <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
            type="i0:RepositoryLocation" />
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="GetScorecardDependenciesResponse">
            <xs:complexType>
              <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="GetScorecardDependenciesResult"
              type="i0:ResourceDependencies" />
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="RenderScorecard">
              <xs:complexType>
                <xs:sequence>
                  <xs:element minOccurs="0" name="proxyCacheAttempt" type="xs:boolean" />
                  <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
                type="i0:RepositoryLocation" />
                  <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
                />
                  <xs:element minOccurs="0" name="availableHeight" nillable="true" type="xs:string"
                />
                  <xs:element minOccurs="0" name="availableWidth" nillable="true" type="xs:string"
                />
                  <xs:element
                    xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
                    minOccurs="0" name="webPartContext" nillable="true" type="q23:WebPartContext" />
                    <xs:element minOccurs="0" name="isAccessibilityMode" type="xs:boolean" />
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="RenderScorecardResponse">
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element minOccurs="0" name="proxyCacheKey" nillable="true" type="xs:string"
                    />
                      <xs:element
                        xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv

```

```

erCommon" minOccurs="0" name="proxyCacheSubs" nillable="true"
type="q24:ArrayOfSubstitutionPair" />
    <xs:element minOccurs="0" name="proxyCacheExpiration" type="xs:dateTime" />
    <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
    <xs:element minOccurs="0" name="script" nillable="true" type="xs:string" />
    <xs:element
xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q25:WebPartContextUpdate" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="RenderScorecardAjaxControl">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="scorecardLocation" nillable="true"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" name="renderTargetId" nillable="true" type="xs:string"
/>
            <xs:element minOccurs="0" name="scorecardControlId" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="scorecardControlType" nillable="true"
type="xs:string" />
            <xs:element
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q26:WebPartContext" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="RenderScorecardAjaxControlResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="html" nillable="true" type="xs:string" />
            <xs:element
xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContextUpdate" nillable="true" type="q27:WebPartContextUpdate" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRenderControlPreview">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="viewType" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="width" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="height" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="nav" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="isDesigner" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="pageQuery" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetRenderControlPreviewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRenderControlPreviewResult"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDrillThroughPreview">

```

```

        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="fcoLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="isScorecard" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="page" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="tupleXml" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="resultTableIndex" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="isAccessibleMode" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetDrillThroughPreviewResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetDrillThroughPreviewResult"
type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="title" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="officeDocumentBytes"
type="xs:base64Binary" />
            <xs:element minOccurs="0" maxOccurs="1" name="documentFileName" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="DecompStartAnalyze">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="type" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="location" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="tupleRecord"
type="i0:DecompTupleRecord" />
            <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="i0:DecompQueryParameters" />
            <xs:element minOccurs="0" maxOccurs="1" name="viewState" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="DecompTupleRecord">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="RowSelections"
type="i0:ArrayOfString" />
          <xs:element minOccurs="0" maxOccurs="1" name="ColumnSelections"
type="i0:ArrayOfString" />
          <xs:element minOccurs="0" maxOccurs="1" name="BackgroundMeasureName"
type="xs:string" />
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="DecompQueryParameters">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="SortType" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="ClientState" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="DecompRenderResultRecord">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="Levels"
type="i0:ArrayOfDecompRenderResultLevel" />

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="MeasureCaption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="MeasureUniqueName" type="xs:string"
/>
        <xs:element minOccurs="1" maxOccurs="1" name="MeasureIsAdditive" type="xs:boolean"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="NavigationContext" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="ErrorMsg" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="ErrorDetails" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompRenderResultLevel">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompRenderResultLevel"
nillable="true" type="i0:DecompRenderResultLevel" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompRenderResultLevel">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="SortedBy" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="HierarchyName" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="TotalNodeCount" type="xs:int" />
        <xs:element minOccurs="0" maxOccurs="1" name="UniqueName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Nodes"
type="i0:ArrayOfDecompRenderResultNode" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompRenderResultNode">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompRenderResultNode"
nillable="true" type="i0:DecompRenderResultNode" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompRenderResultNode">
    <xs:sequence>
        <xs:element minOccurs="1" maxOccurs="1" name="Value" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="FormattedValue" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="HasChildren" type="xs:boolean" />
        <xs:element minOccurs="0" maxOccurs="1" name="UniqueName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="BottomSumValue" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="BottomSumFormattedValue"
type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="TopSumValue" type="xs:double" />
        <xs:element minOccurs="0" maxOccurs="1" name="TopSumFormattedValue"
type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="DecompStartAnalyzeResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompStartAnalyzeResult"
type="i0:DecompRenderResultRecord" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompAutoExpand">
    <xs:complexType>
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="i0:DecompQueryParameters" />
        <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DecompAutoExpandResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompAutoExpandResult"
type="i0:DecompRenderResultRecord" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompCreateNavigationList">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="DecompNavigationList">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Groups"
type="i0:ArrayOfDecompNavigationGroup" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompNavigationGroup">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompNavigationGroup"
nillable="true" type="i0:DecompNavigationGroup" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompNavigationGroup">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Actions"
type="i0:ArrayOfDecompNavigationAction" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompNavigationAction">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompNavigationAction"
nillable="true" type="i0:DecompNavigationAction" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompNavigationAction">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="ParentCaption" type="xs:string" />
    </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="1" maxOccurs="1" name="Enabled" type="xs:boolean" />
    </xs:sequence>
</xs:complexType>
<xs:element name="DecompCreateNavigationListResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompCreateNavigationListResult"
type="i0:DecompNavigationList" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompGetMemberProperties">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>

            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="DecompMemberProperties">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="MemberName" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="i0:ArrayOfDecompMemberProperty" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfDecompMemberProperty">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="DecompMemberProperty"
nillable="true" type="i0:DecompMemberProperty" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DecompMemberProperty">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Caption" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="DecompGetMemberPropertiesResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="DecompGetMemberPropertiesResult"
type="i0:DecompMemberProperties" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DecompExpand">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationContext" type="xs:string"
/>

            <xs:element minOccurs="0" maxOccurs="1" name="queryParameters"
type="i0:DecompQueryParameters" />
            <xs:element minOccurs="0" maxOccurs="1" name="levelUniqueName" type="xs:string"
/>

            <xs:element minOccurs="0" maxOccurs="1" name="itemUniqueName" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="navigationItemUniqueName"
type="xs:string" />

```

```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="DecompExpandResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="DecompExpandResult"
type="i0:DecompRenderResultRecord" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetReportViewImageData">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt"
type="xs:boolean" />
          <xs:element minOccurs="0" maxOccurs="1" name="externalkey" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="tempFcoLocation"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="1" maxOccurs="1" name="height" type="xs:int" />
          <xs:element minOccurs="1" maxOccurs="1" name="width" type="xs:int" />
          <xs:element minOccurs="1" maxOccurs="1" name="colStart" type="xs:int" />
          <xs:element minOccurs="1" maxOccurs="1" name="colCount" type="xs:int" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetReportViewImageDataResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="1" maxOccurs="1" name="GetReportViewImageDataResult"
type="xs:boolean" />
          <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
          <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime" />
          <xs:element minOccurs="0" maxOccurs="1" name="mimeType" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="viewHtml" type="xs:string" />
          <xs:element minOccurs="0" maxOccurs="1" name="bytesImageData"
type="xs:base64Binary" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAnnotation">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
          <xs:element minOccurs="0" maxOccurs="1" name="tupleCollection"
type="i0:ArrayOfTuple" />
          <xs:element minOccurs="0" maxOccurs="1" name="cellPath" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:complexType name="ArrayOfTuple">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Tuple" nillable="true"
type="i0:Tuple" />
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Tuple">
      <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="DimensionMembers"
type="i0:ArrayOfMember" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="Annotation">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Comments"
type="i0:ArrayOfAnnotationComment" />
        <xs:element minOccurs="0" maxOccurs="1" name="Properties"
type="i0:ArrayOfBpmProperty" />
        <xs:element minOccurs="0" maxOccurs="1" name="Owner" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="LastUpdatedBy" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Slice" type="xs:string" />
        <xs:element minOccurs="1" maxOccurs="1" name="CreatedOn" type="xs:dateTime" />
        <xs:element minOccurs="1" maxOccurs="1" name="LastUpdatedOn" type="xs:dateTime" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="i0:RepositoryLocation" />
        <xs:element xmlns:q28="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="ConfiguredViewID" type="q28:guid" />
        <xs:element xmlns:q29="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="Guid" type="q29:guid" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellpathCoordinates" type="xs:string"
/>
    </xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="Version" type="i0:AnnotationVersions"
/>
</xs:complexType>
<xs:complexType name="ArrayOfAnnotationComment">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="AnnotationComment"
nillable="true" type="i0:AnnotationComment" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="AnnotationComment">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:Comment">
            <xs:attribute name="Title" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:simpleType name="AnnotationVersions">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Office14Beta2" />
        <xs:enumeration value="Office14Beta1" />
        <xs:enumeration value="Pps2007" />
    </xs:restriction>
</xs:simpleType>
<xs:element name="GetAnnotationResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationResult"
type="i0:Annotation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAnnotationByID">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q30="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="annotationID" type="q30:guid" />

```



```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAnnotationByIDResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetAnnotationByIDResult"
type="i0:Annotation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetAllAnnotationsByScorecardLocation">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:complexType name="ArrayOfAnnotation">
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Annotation" nillable="true"
type="i0:Annotation" />
      </xs:sequence>
    </xs:complexType>
    <xs:element name="GetAllAnnotationsByScorecardLocationResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1"
name="GetAllAnnotationsByScorecardLocationResult" type="i0:ArrayOfAnnotation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="CreateAnnotation">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="annotation" type="i0:Annotation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="CreateAnnotationResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="CreateAnnotationResult"
type="i0:Annotation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="UpdateAnnotation">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="annotation" type="i0:Annotation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="UpdateAnnotationResponse">
      <xs:complexType>
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="UpdateAnnotationResult"
type="i0:Annotation" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DeleteAnnotation">
    <xs:complexType>
        <xs:sequence>
            <xs:element xmlns:q31="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="annotationID" type="q31:guid" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteAnnotationResponse">
    <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationByScorecardLocation">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationByScorecardLocationResponse">
    <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationByOwner">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="owner" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationByOwnerResponse">
    <xs:complexType />
</xs:element>
<xs:element name="TrimAnnotationUntouchedSince">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="untouchedSince" type="xs:dateTime"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="TrimAnnotationUntouchedSinceResponse">
    <xs:complexType />
</xs:element>
<xs:element name="CreateDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CreateDataSourceResponse">
    <xs:complexType>
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="CreateDataSourceResult"
type="i0:DataSource" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="UpdateDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="UpdateDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="UpdateDataSourceResult"
type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetDataSourceResult"
type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DeleteDataSourceResponse">
    <xs:complexType />
</xs:element>
<xs:element name="SaveFilterValues">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="elementLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="i0:ParameterDefinition" />
            <xs:element minOccurs="0" maxOccurs="1" name="selections" type="i0:ArrayOfString"
/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SaveFilterValuesResponse">

```

```

        <xs:complexType />
    </xs:element>
    <xs:element name="SearchParameterDisplayData">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="i0:RepositoryLocation" />
                <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string" />
                <xs:element
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q32:WebPartContext" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="SearchParameterDisplayDataResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element
xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="SearchParameterDisplayDataResult" nillable="true"
type="q33:ParameterSearchResultRecord" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingParameterDisplayData">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="i0:RepositoryLocation" />
                <xs:element
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q34:WebPartContext" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingParameterDisplayDataResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="GetRemainingParameterDisplayDataResult" nillable="true"
type="q35:ParameterGetRemainingResultRecord" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingSearchResults">
        <xs:complexType>
            <xs:sequence>
                <xs:element minOccurs="0" name="parameterLocation" nillable="true"
type="i0:RepositoryLocation" />
                <xs:element minOccurs="0" name="searchTerm" nillable="true" type="xs:string" />
                <xs:element
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q36:WebPartContext" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="GetRemainingSearchResultsResponse">
        <xs:complexType>
            <xs:sequence>

```

```

        <xs:element
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" minOccurs="0" name="GetRemainingSearchResultsResult" nillable="true"
type="q37:ParameterSearchResultRecord" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetKpisFromScorecard">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfKpi">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="Kpi" nillable="true"
type="i0:Kpi" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetKpisFromScorecardResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetKpisFromScorecardResult"
type="i0:ArrayOfKpi" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAnalyticReportView">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetAnalyticReportViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetAnalyticReportViewResult"
type="i0:ReportView" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetStrategyMapReportView">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="strategyMapReportViewLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetStrategyMapReportViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetStrategyMapReportViewResult"
type="i0:ReportView" />
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

```

</xs:element>
<xs:element name="GetLatestAnalyticReportVersion">
  <xs:complexType>
    <xs:sequence>
      <xs:element xmlns:q38="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="analyticReportViewId" type="q38:guid" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetLatestAnalyticReportVersionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1"
name="GetLatestAnalyticReportVersionResult" type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettings">
  <xs:complexType />
</xs:element>
<xs:complexType name="Setting">
  <xs:attribute name="Key" type="xs:string" />
  <xs:attribute name="Type" type="i0:SettingType" use="required" />
  <xs:attribute name="Value" type="xs:string" />
  <xs:attribute name="DefaultValue" type="xs:string" />
</xs:complexType>
<xs:simpleType name="SettingType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="String" />
    <xs:enumeration value="Boolean" />
    <xs:enumeration value="Integer" />
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ArrayOfSetting">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Setting" nillable="true"
type="i0:Setting" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetSettingsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingsResult"
type="i0:ArrayOfSetting" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSetting">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetSettingResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetSettingResult" type="i0:Setting"
/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetSettingValue">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="key" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetSettingValueResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetSettingValueResult"
type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetMdx">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetMdxResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetMdxResult" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryAnalyticReport">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="i0:ReportView" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryAnalyticReportResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element xmlns:q39="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="SaveTemporaryAnalyticReportResult" type="q39:guid" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryStrategyMapReport">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="reportView" type="i0:ReportView" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SaveTemporaryStrategyMapReportResponse">
      <xs:complexType>
        <xs:sequence>

```

```

        <xs:element xmlns:q40="http://microsoft.com/wsdl/types/" minOccurs="1"
maxOccurs="1" name="SaveTemporaryStrategyMapReportResult" type="q40:guid" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetQueryResultMembers">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="analyticReportViewLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="formattingDimensionName"
type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetQueryResultMembersResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetQueryResultMembersResult"
type="i0:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDatabaseNamesFromDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetDatabaseNamesFromDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="GetDatabaseNamesFromDataSourceResult" type="i0:ArrayOfString" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetPreviewDataSet">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="maxrecords" type="xs:int" />
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetPreviewDataSetResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetPreviewDataSetResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element ref="xs:schema" />
                        <xs:any />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>

```



```

</xs:element>
<xs:element name="GetCubeNameInfos">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfNameInfo">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="NameInfo" nillable="true"
type="i0:NameInfo" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GetCubeNameInfosResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetCubeNameInfosResult"
type="i0:ArrayOfNameInfo" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetCubeMetaData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="NamedSet">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Dimensions" type="i0:ArrayOfString"
/>
  </xs:sequence>
  <xs:attribute name="Name" type="xs:string" />
  <xs:attribute name="Expression" type="xs:string" />
  <xs:attribute name="DisplayFolder" type="xs:string" />
</xs:complexType>
<xs:complexType name="ArrayOfDimension">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Dimension" nillable="true"
type="i0:Dimension" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfMeasure">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Measure" nillable="true"
type="i0:Measure" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="Measure">
  <xs:complexContent mixed="false">
    <xs:extension base="i0:NameInfo">
      <xs:attribute name="AggregatorValue" type="xs:int" use="required" />
      <xs:attribute name="MeasureGroup" type="xs:string" />
      <xs:attribute name="DisplayFolder" type="xs:string" />
      <xs:attribute name="HierarchyName" type="xs:string" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```

        </xs:complexContent>
      </xs:complexType>
      <xs:complexType name="ArrayOfNamedSet">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="unbounded" name="NamedSet" nillable="true"
type="i0:NamedSet" />
        </xs:sequence>
      </xs:complexType>
      <xs:element name="GetCubeMetaDataResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeMetaDataResult"
type="i0:Cube" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:complexType name="Cube">
        <xs:complexContent mixed="false">
          <xs:extension base="i0:NameInfo">
            <xs:sequence>
              <xs:element minOccurs="0" maxOccurs="1" name="Dimensions"
type="i0:ArrayOfDimension" />
              <xs:element minOccurs="0" maxOccurs="1" name="MeasureGroups"
type="i0:ArrayOfNameInfo" />
              <xs:element minOccurs="0" maxOccurs="1" name="Measures"
type="i0:ArrayOfMeasure" />
              <xs:element minOccurs="0" maxOccurs="1" name="NamedSets"
type="i0:ArrayOfNamedSet" />
            </xs:sequence>
            <xs:attribute name="Version" type="xs:int" use="required" />
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="GetCubeMetaDataForDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetCubeMetaDataForDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetCubeMetaDataForDataSourceResult"
type="i0:Cube" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TestConnection">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TestConnectionResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="TestConnectionResult"
type="xs:boolean" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>

```

```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensions">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetDimensionsResult"
type="i0:ArrayOfDimension" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsFromDataSource">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetDimensionsFromDataSourceResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetDimensionsFromDataSourceResult"
type="i0:ArrayOfDimension" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCube">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="GetCubeResult" type="i0:Cube" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeFromDataSource">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="GetCubeFromDataSourceResponse">
      <xs:complexType>
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="GetCubeFromDataSourceResult"
type="i0:Cube" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembers">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="dimensionName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembersResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryDimensionRootMembersResult"
type="i0:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembersFromDataSource">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="0" maxOccurs="1" name="dimensionName" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryDimensionRootMembersFromDataSourceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="QueryDimensionRootMembersFromDataSourceResult" type="i0:ArrayOfMember" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="QueryTransformMembers">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="memberCollection"
type="i0:ArrayOfMember" />
            <xs:element minOccurs="1" maxOccurs="1" name="transformType"
type="i0:QueryTransformMembersType" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:simpleType name="QueryTransformMembersType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Hierarchize" />
        <xs:enumeration value="Parents" />
        <xs:enumeration value="Ancestors" />
        <xs:enumeration value="AscendantsIntersect" />
    </xs:restriction>
</xs:simpleType>
<xs:element name="QueryTransformMembersResponse">

```

```

        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryTransformMembersResult"
type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembers">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryChildMembersResult"
type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersFromDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersFromDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="QueryChildMembersFromDataSourceResult" type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersByRangeFromDataSource">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="0" maxOccurs="1" name="self" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="start" type="xs:long" />
            <xs:element minOccurs="1" maxOccurs="1" name="count" type="xs:long" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryChildMembersByRangeFromDataSourceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1"
name="QueryChildMembersByRangeFromDataSourceResult" type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>

```

```

</xs:element>
<xs:element name="QueryRelatedMember">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="relationship"
type="i0:MemberRelationship" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="MemberRelationship">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Parent" />
    <xs:enumeration value="FirstSibling" />
    <xs:enumeration value="PrevMember" />
    <xs:enumeration value="NextMember" />
    <xs:enumeration value="LastSibling" />
    <xs:enumeration value="FirstChild" />
    <xs:enumeration value="LastChild" />
    <xs:enumeration value="CurrentMember" />
    <xs:enumeration value="Children" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="QueryRelatedMemberResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryRelatedMemberResult"
type="i0:Member" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryRelatedMemberFromDataSource">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="memberUniqueName" type="xs:string"
/>
      <xs:element minOccurs="1" maxOccurs="1" name="relationship"
type="i0:MemberRelationship" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryRelatedMemberFromDataSourceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1"
name="QueryRelatedMemberFromDataSourceResult" type="i0:Member" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryNamedSets">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>

```

```

</xs:element>
<xs:element name="QueryNamedSetsResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryNamedSetsResult"
type="i0:ArrayOfNamedSet" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryNamedSetsFromDataSource">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="QueryNamedSetsFromDataSourceResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="QueryNamedSetsFromDataSourceResult"
type="i0:ArrayOfNamedSet" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateKpi">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateKpiResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="ValidateKpiResult"
type="i0:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateScorecard">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="location"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateScorecardResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="ValidateScorecardResult"
type="i0:ArrayOfString" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ValidateSiteCollection">
  <xs:complexType />
</xs:element>

```

```

<xs:element name="ValidateSiteCollectionResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="1" maxOccurs="1" name="ValidateSiteCollectionResult"
type="i0:URLValidationResult" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:simpleType name="URLValidationResult">
  <xs:restriction base="xs:string">
    <xs:enumeration value="SiteCollectionOrSite" />
    <xs:enumeration value="SiteCollection" />
    <xs:enumeration value="Site" />
    <xs:enumeration value="List" />
    <xs:enumeration value="DocumentLibrary" />
    <xs:enumeration value="InvalidURL" />
    <xs:enumeration value="AlreadyExists" />
    <xs:enumeration value="NonexistentSiteCollection" />
    <xs:enumeration value="NonexistentSite" />
    <xs:enumeration value="PPSNotActivatedOnSiteCollection" />
    <xs:enumeration value="URLZoneNotAllowed" />
    <xs:enumeration value="NoAccess" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="MaintenanceJob">
  <xs:complexType />
</xs:element>
<xs:element name="MaintenanceJobResponse">
  <xs:complexType />
</xs:element>
<xs:element name="GenerateView">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecardLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageFilters"
type="i0:ArrayOfMember" />
      <xs:element minOccurs="0" maxOccurs="1" name="propertyBags"
type="i0:DictionaryWrapperOfStringPropertyBag" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="DictionaryWrapperOfStringPropertyBag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
    <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfPropertyBag"
/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfPropertyBag">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="PropertyBag" nillable="true"
type="i0:PropertyBag" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="GridViewData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="DefaultCellFormatInfo"
type="i0:GridFormatInfo" />
  </xs:sequence>
</xs:complexType>

```



```

        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRowHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultColumnHeaderFormatInfo"
type="i0:GridFormatInfo" />
        <xs:element minOccurs="0" maxOccurs="1" name="Cells" type="i0:GridCellSet" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootRowHeader"
type="i0:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="RootColumnHeader"
type="i0:GridHeaderItem" />
        <xs:element minOccurs="0" maxOccurs="1" name="ScorecardLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="DefaultRollupIndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="PreQueryTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PostQueryTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PreRenderTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PerUserTransforms"
type="i0:ArrayOfGridViewTransformReference" />
        <xs:element minOccurs="0" maxOccurs="1" name="PageFilters" type="i0:ArrayOfMember"
/>
    </xs:sequence>
    <xs:attribute xmlns:q41="http://microsoft.com/wsdl/types/" name="ScorecardViewId"
type="q41:guid" use="required" />
    <xs:attribute name="Cached" type="xs:boolean" use="required" />
    <xs:attribute name="CacheExpiration" type="xs:dateTime" use="required" />
    <xs:attribute xmlns:q42="http://microsoft.com/wsdl/types/"
name="DefaultRollupIndicatorId" type="q42:guid" use="required" />
    <xs:attribute name="EmptyCell" type="xs:string" />
    <xs:attribute name="InvalidCell" type="xs:string" />
    <xs:attribute name="TIFormula" type="xs:string" />
    <xs:attribute name="TICurrentDateTime" type="xs:string" />
</xs:complexType>
<xs:complexType name="GridCellSet">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Table"
type="i0:DictionaryWrapperOfStringGridCell" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringGridCell">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfGridCell" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfGridCell">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridCell" nillable="true"
type="i0:GridCell" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="GridCell">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="FormatInfo" type="i0:GridFormatInfo"
/>
        <xs:element minOccurs="0" maxOccurs="1" name="Properties" type="i0:PropertyBag" />
        <xs:element minOccurs="0" maxOccurs="1" name="DisplayElements"
type="i0:ArrayOfGridDisplayElement" />
    </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="1" maxOccurs="1" name="InBand" type="xs:int" />
        <xs:element minOccurs="0" maxOccurs="1" name="CellAnnotation" type="i0:Annotation"
/>

</xs:sequence>
<xs:attribute name="Value" type="xs:decimal" use="required" />
<xs:attribute name="ActualValue" type="xs:decimal" use="required" />
<xs:attribute name="Score" type="xs:decimal" use="required" />
<xs:attribute name="Weight" type="xs:decimal" use="required" />
<xs:attribute name="BestChildScore" type="xs:decimal" use="required" />
<xs:attribute name="WorstChildScore" type="xs:decimal" use="required" />
<xs:attribute name="IsValueInError" type="xs:boolean" use="required" />
<xs:attribute name="HasAnnotation" type="xs:boolean" use="required" />
<xs:attribute name="IsRollupScore" type="xs:boolean" use="required" />
<xs:attribute name="ValueSource" type="i0:ValueSources" use="required" />
<xs:attribute name="IsValidScore" type="xs:boolean" use="required" />
</xs:complexType>
<xs:complexType name="ArrayOfGridDisplayElement">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridDisplayElement"
nillable="true" type="i0:GridDisplayElement" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="GridDisplayElement" abstract="true">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Text" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="TooltipText" type="xs:string" />
    </xs:sequence>
    <xs:attribute name="Status" type="i0:GridCellElementStatus" use="required" />
</xs:complexType>
<xs:simpleType name="GridCellElementStatus">
    <xs:restriction base="xs:string">
        <xs:enumeration value="0" />
        <xs:enumeration value="1" />
        <xs:enumeration value="2" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="GridDisplayElementIndicator">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
            </xs:sequence>
            <xs:attribute name="IndicatorBand" type="xs:int" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementHyperLink">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement">
            <xs:attribute name="LinkUrl" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementNumber" abstract="true">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement">

```

```

        <xs:attribute name="Value" type="xs:decimal" use="required" />
        <xs:attribute name="OverrideValue" type="xs:decimal" use="required" />
    </xs:extension>
</xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementVariance">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementAggregation">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementTarget">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementActual">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementScore">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementNumber" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementText">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElement" />
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="GridDisplayElementIndicatorText">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:GridDisplayElementText">
            <xs:sequence>
                <xs:element minOccurs="0" maxOccurs="1" name="IndicatorLocation"
type="i0:RepositoryLocation" />
            </xs:sequence>
            <xs:attribute name="IndicatorBand" type="xs:int" use="required" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="ArrayOfGridViewTransformReference">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GridViewTransformReference"
nillable="true" type="i0:GridViewTransformReference" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GenerateViewResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GenerateViewResult"
type="i0:GridViewData" />
        </xs:sequence>
    </xs:complexType>

```

```

</xs:element>
<xs:element name="GenerateViewDirect">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="scorecard" type="i0:Scorecard" />
      <xs:element minOccurs="0" maxOccurs="1" name="kpis" type="i0:ArrayOfKpi" />
      <xs:element minOccurs="0" maxOccurs="1" name="dataSources"
type="i0:ArrayOfDataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="indicators"
type="i0:ArrayOfIndicator" />
      <xs:element minOccurs="0" maxOccurs="1" name="pageFilters"
type="i0:ArrayOfMember" />
      <xs:element minOccurs="0" maxOccurs="1" name="propertyBags"
type="i0:DictionaryWrapperOfStringPropertyBag" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:complexType name="ArrayOfDataSource">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="DataSource" nillable="true"
type="i0:DataSource" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfIndicator">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Indicator" nillable="true"
type="i0:Indicator" />
  </xs:sequence>
</xs:complexType>
<xs:element name="GenerateViewDirectResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GenerateViewDirectResult"
type="i0:GridViewData" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAsKpis">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
      <xs:element minOccurs="0" maxOccurs="1" name="listUrl" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetAsKpisResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetAsKpisResult"
type="i0:ArrayOfKpi" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetParameterDisplayData">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="providerLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="i0:ParameterDefinition" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="parameterSourceLocation"
type="i0:RepositoryLocation" />
        <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="i0:WebPartContext" />
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:complexType name="WebPartContext">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="ClientViewState"
type="i0:DictionaryWrapperOfStringString" />
        <xs:element minOccurs="0" maxOccurs="1" name="InUseProviderParameterNames"
type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="ProviderParameterSelections"
type="i0:DictionaryWrapperOfStringListOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values" type="i0:ArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="DictionaryWrapperOfStringListOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Keys" type="i0:ArrayOfString" />
        <xs:element minOccurs="0" maxOccurs="1" name="Values"
type="i0:ArrayOfArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfArrayOfString">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfString"
nillable="true" type="i0:ArrayOfString" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetParameterDisplayDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetParameterDisplayDataResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetFilterDisplayData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="parameterDefinition"
type="i0:ParameterDefinition" />

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="selections" type="i0:ArrayOfString"
    />
    <xs:element minOccurs="1" maxOccurs="1" name="useSavedUserSelections"
type="xs:boolean" />
    <xs:element minOccurs="1" maxOccurs="1" name="selectionsOnly" type="xs:boolean"
    />
    <xs:element minOccurs="0" maxOccurs="1" name="webPartContext"
type="i0:WebPartContext" />
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="GetFilterDisplayDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDisplayDataResult">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetParameterMessageData">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="providerLocation" nillable="true"
type="i0:RepositoryLocation" />
            <xs:element
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="parameterMessage" nillable="true" type="q43:ParameterMessage" />
            <xs:element minOccurs="0" name="parameterSourceLocation" nillable="true"
type="i0:RepositoryLocation" />
            <xs:element
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="parameterMapping" nillable="true" type="q44:ParameterMapping" />
            <xs:element
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
minOccurs="0" name="webPartContext" nillable="true" type="q45:WebPartContext" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GetParameterMessageDataResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="GetParameterMessageDataResult" nillable="true">
                <xs:complexType>
                    <xs:sequence>
                        <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                        <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

```

        </xs:complexType>
      </xs:element>
      <xs:element name="QueryTimeIntelligence">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSourceLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="1" maxOccurs="1" name="currentTime" type="xs:dateTime" />
            <xs:element minOccurs="0" maxOccurs="1" name="formula" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryTimeIntelligenceResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryTimeIntelligenceResult"
type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryTimeIntelligenceDirect">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="dataSource" type="i0:DataSource" />
            <xs:element minOccurs="1" maxOccurs="1" name="currentTime" type="xs:dateTime" />
            <xs:element minOccurs="0" maxOccurs="1" name="formula" type="xs:string" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="QueryTimeIntelligenceDirectResponse">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="QueryTimeIntelligenceDirectResult"
type="i0:ArrayOfMember" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="GetRegisteredCustomFCOs">
        <xs:complexType>
          <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="type" type="i0:CustomFCOType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:simpleType name="CustomFCOType">
        <xs:list>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="None" />
              <xs:enumeration value="DataSource" />
              <xs:enumeration value="Filter" />
              <xs:enumeration value="ReportView" />
              <xs:enumeration value="All" />
            </xs:restriction>
          </xs:simpleType>
        </xs:list>
      </xs:simpleType>
      <xs:complexType name="CustomFCODefinition">
        <xs:sequence>

```

```

        <xs:element minOccurs="0" maxOccurs="1" name="TemplateIconSerialized"
type="xs:string" />
    </xs:sequence>
    <xs:attribute name="Type" type="i0:CustomFCOType" use="required" />
    <xs:attribute name="SubType" type="xs:string" />
    <xs:attribute name="Name" type="xs:string" />
    <xs:attribute name="Description" type="xs:string" />
    <xs:attribute name="RendererClass" type="xs:string" />
    <xs:attribute name="EditorUri" type="xs:string" />
</xs:complexType>
<xs:complexType name="ArrayOfCustomFCODefinition">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="CustomFCODefinition"
nillable="true" type="i0:CustomFCODefinition" />
    </xs:sequence>
</xs:complexType>
<xs:element name="GetRegisteredCustomFCOsResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="1" name="GetRegisteredCustomFCOsResult"
type="i0:ArrayOfCustomFCODefinition" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CreateReportHtml">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheAttempt"
type="xs:boolean" />
            <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="availableHeight" type="xs:int" />
            <xs:element minOccurs="1" maxOccurs="1" name="availableWidth" type="xs:int" />
            <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
            <xs:element minOccurs="0" maxOccurs="1" name="inboundParameters" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="navigationAction" type="xs:string"
/>
            <xs:element minOccurs="0" maxOccurs="1" name="viewProps" type="xs:string" />
            <xs:element minOccurs="1" maxOccurs="1" name="isAccessibilityMode"
type="xs:boolean" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="SubstitutionPair">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="1" name="Token" type="xs:string" />
        <xs:element minOccurs="0" maxOccurs="1" name="Value" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfSubstitutionPair">
    <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair"
nillable="true" type="i0:SubstitutionPair" />
    </xs:sequence>
</xs:complexType>

```



```

<xs:element name="CreateReportHtmlResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheKey" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="proxyCacheSubs"
type="i0:ArrayOfSubstitutionPair" />
      <xs:element minOccurs="1" maxOccurs="1" name="proxyCacheExpiration"
type="xs:dateTime" />
      <xs:element minOccurs="0" maxOccurs="1" name="html" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="script" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="CreateNavigationMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlId" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="targetControlType" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="olapContextId" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="metadataContextId" type="xs:string"
/>
      <xs:element minOccurs="0" maxOccurs="1" name="reportLocation"
type="i0:RepositoryLocation" />
      <xs:element minOccurs="0" maxOccurs="1" name="metadataAction" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="CreateNavigationMetadataResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="CreateNavigationMetadataResult"
type="xs:string" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetFilterDependencies">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="filterLocation"
type="i0:RepositoryLocation" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="GetFilterDependenciesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="GetFilterDependenciesResult"
type="i0:ResourceDependencies" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RepositoryLocation" nillable="true" type="i0:RepositoryLocation" />
<xs:complexType name="BpmException">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="ErrorCode" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="EventLogged" type="xs:boolean" />
    <xs:element minOccurs="1" maxOccurs="1" name="Message" type="xs:string" />
  </xs:sequence>

```

```

</xs:complexType>
<xs:element name="ExportSettings" nillable="true" type="i0:ExportSettings" />
<xs:complexType name="ExportSettings">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="WebPartTitle" type="xs:string" />
    <xs:element minOccurs="0" maxOccurs="1" name="PageTitle" type="xs:string" />
    <xs:element minOccurs="1" maxOccurs="1" name="ExportFormat" type="i0:ExportFormat" />
  </xs:sequence>
  <xs:element minOccurs="0" maxOccurs="1" name="DashboardLink" type="xs:string" />
</xs:complexType>
<xs:element name="ArrayOfArrayOfString" nillable="true" type="i0:ArrayOfArrayOfString" />
</xs:complexType>
<xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfKeyValueOfstringanyType" nillable="true" type="i0:ArrayOfKeyValueOfstringanyType" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfArrayOfKeyValueOfstringanyType" nillable="true" type="i0:ArrayOfArrayOfKeyValueOfstringanyType" />
<xs:complexType name="ArrayOfKeyValueOfstringanyType">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Key" nillable="true" type="xs:string" />
          <xs:element name="Value" nillable="true" type="xs:anyType" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfKeyValueOfstringanyType" nillable="true" type="i0:ArrayOfKeyValueOfstringanyType" />
<xs:element name="WebPartContext" nillable="true" type="i0:WebPartContext" />
<xs:complexType name="DictionaryWrapperOfStringArrayOfString">
  <xs:sequence>
    <xs:element name="keys" nillable="true" type="i0:ArrayOfString" />
    <xs:element name="values" nillable="true" type="i0:ArrayOfArrayOfString" />
  </xs:sequence>
</xs:complexType>
<xs:element name="DictionaryWrapperOfStringArrayOfString" nillable="true" type="i0:DictionaryWrapperOfStringArrayOfString" />
<xs:complexType name="ArrayOfBIData">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true" type="i0:BIData" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfBIData" nillable="true" type="i0:ArrayOfBIData" />
<xs:complexType name="BIData">
  <xs:sequence>
    <xs:element minOccurs="0" name="_consumerParameter" nillable="true" type="xs:string" />
    <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean" />
    <xs:element minOccurs="0" name="_displayColumnName" nillable="true" type="xs:string" />
  </xs:sequence>
</xs:complexType>

```

```

        <xs:element minOccurs="0" name="_providerValues" nillable="true"
type="i0:ArrayOfArrayOfKeyValueOfstringanyType" />
        <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"
/>
    </xs:sequence>
</xs:complexType>
<xs:element name="BIData" nillable="true" type="i0:BIData" />
<xs:complexType name="WebPartContextUpdate">
    <xs:sequence>
        <xs:element name="_clientViewStateWrapper" nillable="true"
type="i0:DictionaryWrapperOfStringString" />
        <xs:element name="_legacyFilterSelections" nillable="true" type="i0:ArrayOfBIData"
/>
    </xs:sequence>
</xs:complexType>
<xs:element name="WebPartContextUpdate" nillable="true" type="i0:WebPartContextUpdate"
/>

<xs:complexType name="ParameterMessage">
    <xs:complexContent mixed="false">
        <xs:extension base="i0:ParameterDefinition">
            <xs:sequence>
                <xs:element xmlns:q10="http://microsoft.com/wsdl/types/" name="dashboardItemId"
type="q10:guid" />
                <xs:element xmlns:q11="http://microsoft.com/wsdl/types/" name="mappingId"
type="q11:guid" />
                <xs:element name="values" nillable="true">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-
v1" processContents="lax" />
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ParameterMessage" nillable="true" type="i0:ParameterMessage" />
</xs:schema>

<xs:schema xmlns:tns="http://microsoft.com/wsdl/types/" elementFormDefault="qualified"
targetNamespace="http://microsoft.com/wsdl/types/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:simpleType name="guid">
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-
9a-fA-F]{12}" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="char">
        <xs:restriction base="xs:unsignedShort" />
    </xs:simpleType>
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s" xmlns:xs="http://www.w3.org/2001/XMLSchema">

```

```

<xs:import namespace="http://schemas.datacontract.org/2004/07/System" />
<xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
<xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
<xs:complexType name="BpmException">
  <xs:complexContent mixed="false">
    <xs:extension xmlns:q1="http://schemas.datacontract.org/2004/07/System"
base="q1:ApplicationException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmException" nillable="true" type="tns:BpmException" />
<xs:complexType name="BpmDashboardItemNotFoundException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmDashboardItemNotFoundException" nillable="true"
type="tns:BpmDashboardItemNotFoundException" />
<xs:complexType name="BpmRenderingException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmRenderingException" nillable="true"
type="tns:BpmRenderingException" />
<xs:complexType name="BpmNoAccessException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmNoAccessException" nillable="true" type="tns:BpmNoAccessException"
/>
<xs:complexType name="BpmServerExportException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmServerExportException" nillable="true"
type="tns:BpmServerExportException" />
<xs:complexType name="BpmDevException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmDevException" nillable="true" type="tns:BpmDevException" />
<xs:complexType name="BpmWarning">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="BpmWarning" nillable="true" type="tns:BpmWarning" />
<xs:complexType name="GridTooLargeForExportToPowerPointException">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:BpmException" />
  </xs:complexContent>
</xs:complexType>
<xs:element name="GridTooLargeForExportToPowerPointException" nillable="true"
type="tns:GridTooLargeForExportToPowerPointException" />
<xs:complexType name="GridTooLargeForExportToExcelException">
  <xs:complexContent mixed="false">

```

```

        <xs:extension base="tns:BpmException" />
    </xs:complexContent>
</xs:complexType>
<xs:element name="GridTooLargeForExportToExcelException" nillable="true"
type="tns:GridTooLargeForExportToExcelException" />
    <xs:complexType name="WebPartContext">
        <xs:sequence>
            <xs:element name="_clientViewState" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
            <xs:element name="_filterSelections" nillable="true" type="tns:ArrayOfBIData" />
            <xs:element xmlns:q2="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="_inUseProviderParameterNames" nillable="true" type="q2:ArrayOfstring" />
            <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
            <xs:element name="_providerParameterSelections" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="WebPartContext" nillable="true" type="tns:WebPartContext" />
    <xs:complexType name="DictionaryWrapperOfstringstring">
        <xs:sequence>
            <xs:element xmlns:q3="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="dictionary" nillable="true"
type="q3:ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7" />
            <xs:element xmlns:q4="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="keys" nillable="true" type="q4:ArrayOfstring" />
            <xs:element xmlns:q5="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="values" nillable="true" type="q5:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="DictionaryWrapperOfstringstring" nillable="true"
type="tns:DictionaryWrapperOfstringstring" />
    <xs:complexType name="ArrayOfBIData">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="BIData" nillable="true"
type="tns:BIData" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfBIData" nillable="true" type="tns:ArrayOfBIData" />
    <xs:complexType name="BIData">
        <xs:sequence>
            <xs:element minOccurs="0" name="_consumerParameter" nillable="true"
type="xs:string" />
            <xs:element minOccurs="0" name="_dataValidated" type="xs:boolean" />
            <xs:element minOccurs="0" name="_displayColumnName" nillable="true"
type="xs:string" />
            <xs:element xmlns:q6="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
minOccurs="0" name="_providerValues" nillable="true"
type="q6:ArrayOfArrayOfKeyValueOfstringanyType" />
            <xs:element minOccurs="0" name="_valuesColumnName" nillable="true" type="xs:string"
/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="BIData" nillable="true" type="tns:BIData" />
    <xs:complexType name="DictionaryWrapperOfstringArrayOfstring">
        <xs:sequence>
            <xs:element xmlns:q7="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="dictionary" nillable="true"
type="q7:ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6DltwCi8m_S7" />
            <xs:element xmlns:q8="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="keys" nillable="true" type="q8:ArrayOfstring" />

```

```

        <xs:element xmlns:q9="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="values" nillable="true" type="q9:ArrayOfArrayOfstring" />
    </xs:sequence>
</xs:complexType>
<xs:element name="DictionaryWrapperOfstringArrayOfstring" nillable="true"
type="tns:DictionaryWrapperOfstringArrayOfstring" />
    <xs:complexType name="WebPartContextUpdate">
        <xs:sequence>
            <xs:element name="_clientViewStateWrapper" nillable="true"
type="tns:DictionaryWrapperOfstring" />
            <xs:element name="_legacyFilterSelections" nillable="true" type="tns:ArrayOfBIData"
/>
        </xs:sequence>
    </xs:complexType>
<xs:element name="WebPartContextUpdate" nillable="true" type="tns:WebPartContextUpdate"
/>

<xs:complexType name="ParameterMessage">
    <xs:complexContent mixed="false">
        <xs:extension base="tns:ParameterDefinition">
            <xs:sequence>
                <xs:element name="dashboardItemId" type="ser:guid" />
                <xs:element name="mappingId" type="ser:guid" />
                <xs:element name="values" nillable="true">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                            <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-
v1" processContents="lax" />
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
<xs:element name="ParameterMessage" nillable="true" type="tns:ParameterMessage" />
<xs:complexType name="ParameterDefinition">
    <xs:sequence>
        <xs:element name="customDefinition" nillable="true" type="xs:string" />
        <xs:element name="defaultPostFormula" nillable="true" type="xs:string" />
        <xs:element name="displayColumn" nillable="true" type="xs:string" />
        <xs:element name="displayName" nillable="true" type="xs:string" />
        <xs:element name="displayValues" nillable="true">
            <xs:complexType>
                <xs:sequence>
                    <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                    <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
                </xs:sequence>
            </xs:complexType>
        </xs:element>
        <xs:element name="emitterType" type="tns:BeginPointEmitterType" />
        <xs:element name="isDefaultColumn" nillable="true" type="xs:string" />
        <xs:element name="keyColumn" nillable="true" type="xs:string" />
        <xs:element name="parameterProviderId" nillable="true" type="xs:string" />
        <xs:element name="parameterUniqueName" nillable="true" type="xs:string" />
        <xs:element name="parentKeyColumn" nillable="true" type="xs:string" />
    </xs:sequence>

```

```

</xs:complexType>
<xs:element name="ParameterDefinition" nillable="true" type="tns:ParameterDefinition"
/>

<xs:simpleType name="BeginPointEmitterType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="BothAConditionalVisibilityAndParameterEmitter" />
    <xs:enumeration value="ConditionalVisibilityEmitter" />
    <xs:enumeration value="ParameterEmitter" />
  </xs:restriction>
</xs:simpleType>
<xs:element name="BeginPointEmitterType" nillable="true"
type="tns:BeginPointEmitterType" />
<xs:complexType name="ParameterMapping">
  <xs:sequence>
    <xs:element name="_isDefaultVisibility" type="xs:boolean" />
    <xs:element name="conditionalData" nillable="true">
      <xs:complexType>
        <xs:sequence>
          <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
          <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="dashboardItemId" type="ser:guid" />
    <xs:element name="endPointUniqueName" nillable="true" type="xs:string" />
    <xs:element name="id" type="ser:guid" />
    <xs:element name="isConditionalDataEnabled" type="xs:boolean" />
    <xs:element name="parameterUniqueName" nillable="true" type="xs:string" />
    <xs:element name="postFormula" nillable="true" type="xs:string" />
    <xs:element name="sourceColumnName" nillable="true" type="xs:string" />
  </xs:sequence>
</xs:complexType>
<xs:element name="ParameterMapping" nillable="true" type="tns:ParameterMapping" />
</xs:schema>

<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System"
xmlns:ser="http://schemas.microsoft.com/2003/10/Serialization/"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
  <xs:complexType name="ApplicationException">
    <xs:complexContent mixed="false">
      <xs:extension base="tns:Exception" />
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ApplicationException" nillable="true" type="tns:ApplicationException"
/>

  <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="tns:Exception" />
</xs:schema>

<xs:schema xmlns:tns="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="tns:char" />
  <xs:simpleType name="char">
    <xs:restriction base="xs:int" />
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="tns: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="tns: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>
<xs:schema xmlns:tns="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
    namespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic" />
  <xs:complexType name="ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
        name="KeyValueOfstringKeyValuePairOfintstringtwCi8m_S7">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element
              xmlns:q1="http://schemas.datacontract.org/2004/07/System.Collections.Generic" name="Value"
              type="q1:KeyValuePairOfintstring" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

```



```

        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7"
nillable="true" type="tns:ArrayOfKeyValueOfstringKeyValuePairOfintstringtwCi8m_S7" />
  <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="tns:ArrayOfstring" />
  <xs:complexType name="ArrayOfArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfArrayOfKeyValueOfstringanyType" />
  <xs:complexType name="ArrayOfKeyValueOfstringanyType">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="KeyValueOfstringanyType">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element name="Value" nillable="true" type="xs:anyType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element name="ArrayOfKeyValueOfstringanyType" nillable="true"
type="tns:ArrayOfKeyValueOfstringanyType" />
  <xs:complexType name="ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded"
name="KeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Key" nillable="true" type="xs:string" />
            <xs:element
xmlns:q2="http://schemas.datacontract.org/2004/07/System.Collections.Generic" name="Value"
type="q2:KeyValuePairOfintArrayOfstringty7Ep6D1" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
  <xs:element
name="ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" nillable="true"
type="tns:ArrayOfKeyValueOfstringKeyValuePairOfintArrayOfstringty7Ep6D1twCi8m_S7" />
  <xs:complexType name="ArrayOfArrayOfstring">
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ArrayOfstring"
nillable="true" type="tns:ArrayOfstring" />
    </xs:sequence>
  </xs:complexType>

```

```

        </xs:complexType>
        <xs:element name="ArrayOfArrayOfstring" nillable="true" type="tns:ArrayOfArrayOfstring"
/>
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System.Collections.Generic"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:import namespace="http://schemas.microsoft.com/2003/10/Serialization/Arrays" />
    <xs:complexType name="KeyValuePairOfintstring">
        <xs:sequence>
            <xs:element name="key" type="xs:int" />
            <xs:element name="value" nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="KeyValuePairOfintstring" nillable="true"
type="tns:KeyValuePairOfintstring" />
    <xs:complexType name="KeyValuePairOfintArrayOfstringty7Ep6D1">
        <xs:sequence>
            <xs:element name="key" type="xs:int" />
            <xs:element xmlns:q1="http://schemas.microsoft.com/2003/10/Serialization/Arrays"
name="value" nillable="true" type="q1:ArrayOfstring" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="KeyValuePairOfintArrayOfstringty7Ep6D1" nillable="true"
type="tns:KeyValuePairOfintArrayOfstringty7Ep6D1" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon.Export" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s.ServerCommon.Export" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType name="OfficeExportInfo">
        <xs:sequence>
            <xs:element minOccurs="0" name="_downloadFileName" nillable="true" type="xs:string"
/>
            <xs:element minOccurs="0" name="_exportData" nillable="true" type="xs:base64Binary"
/>
            <xs:element minOccurs="0" name="_exportUri" nillable="true" type="xs:string" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="OfficeExportInfo" nillable="true" type="tns:OfficeExportInfo" />
</xs:schema>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards.Serv
erCommon" elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecard
s.ServerCommon" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType name="ArrayOfSubstitutionPair">
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="SubstitutionPair"
nillable="true" type="tns:SubstitutionPair" />
        </xs:sequence>
    </xs:complexType>
    <xs:element name="ArrayOfSubstitutionPair" nillable="true"
type="tns:ArrayOfSubstitutionPair" />
    <xs:complexType name="SubstitutionPair">
        <xs:sequence>
            <xs:element name="_x003C_Token_x003E_k__BackingField" nillable="true"
type="xs:string" />

```

```

        <xs:element name="_x003C_Value_x003E_k__BackingField" nillable="true"
type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="SubstitutionPair" nillable="true" type="tns:SubstitutionPair" />
<xs:complexType name="ParameterSearchResultRecord">
    <xs:sequence>
        <xs:element name="_ancestors" nillable="true" type="xs:string" />
        <xs:element name="_resultNodes" nillable="true" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ParameterSearchResultRecord" nillable="true"
type="tns:ParameterSearchResultRecord" />
<xs:complexType name="ParameterGetRemainingResultRecord">
    <xs:sequence>
        <xs:element name="_members" nillable="true" type="xs:string" />
    </xs:sequence>
</xs:complexType>
<xs:element name="ParameterGetRemainingResultRecord" nillable="true"
type="tns:ParameterGetRemainingResultRecord" />
</xs:schema>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/System.Data"
elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/System.Data"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:element name="DataTable" nillable="true">
        <xs:complexType>
            <xs:sequence>
                <xs:any minOccurs="0" maxOccurs="unbounded"
namespace="http://www.w3.org/2001/XMLSchema" processContents="lax" />
                <xs:any minOccurs="1" namespace="urn:schemas-microsoft-com:xml-diffgram-v1"
processContents="lax" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:schema>
</wsdl:types>
<wsdl:message name="IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage">
    <wsdl:part name="parameters" element="i0:UpdateSettingValue" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateSettingValueResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q1="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q1:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationSetting_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAnnotationSetting" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationSetting_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAnnotationSettingResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotationSetting_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q2="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q2:BpmException" />

```

```

</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetDependentElements_InputMessage">
  <wsdl:part name="parameters" element="i0:GetDependentElements" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetDependentElements_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetDependentElementsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetDependentElements_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q3="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q3:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetTreeMembersDataTable_InputMessage">
  <wsdl:part name="parameters" element="i0:GetTreeMembersDataTable" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetTreeMembersDataTable_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetTreeMembersDataTableResponse" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage">
  <wsdl:part name="parameters" element="i0:RenderTreeMemberSelector" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage">
  <wsdl:part name="parameters" element="i0:RenderTreeMemberSelectorResponse" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetListItems_InputMessage">
  <wsdl:part name="parameters" element="i0:GetListItems" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetListItems_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetListItemsResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetListItems_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q4="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q4:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderFilter_InputMessage">
  <wsdl:part name="parameters" element="i0:RenderFilter" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_RenderFilter_OutputMessage">
  <wsdl:part name="parameters" element="i0:RenderFilterResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage">
  <wsdl:part
xmlns:q5="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q5:BpmException" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetReportDependencies_InputMessage">
  <wsdl:part name="parameters" element="i0:GetReportDependencies" />
</wsdl:message>
<wsdl:message name="IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage">
  <wsdl:part name="parameters" element="i0:GetReportDependenciesResponse" />
</wsdl:message>
<wsdl:message
name="IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMessage">

```

```

    <wsdl:part
xmlns:q6="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q6:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage">
    <wsdl:part name="parameters" element="i0:ReportSupportsExportFormat" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage">
    <wsdl:part name="parameters" element="i0:ReportSupportsExportFormatResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q7="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q7:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportReport_InputMessage">
    <wsdl:part name="parameters" element="i0:ExportReport" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportReport_OutputMessage">
    <wsdl:part name="parameters" element="i0:ExportReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q8="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q8:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage">
    <wsdl:part name="parameters" element="i0:ScorecardSupportsExportFormat" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage">
    <wsdl:part name="parameters" element="i0:ScorecardSupportsExportFormatResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q9="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q9:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportScorecard_InputMessage">
    <wsdl:part name="parameters" element="i0:ExportScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ExportScorecard_OutputMessage">
    <wsdl:part name="parameters" element="i0:ExportScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q10="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q10:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderReport_InputMessage">
    <wsdl:part name="parameters" element="i0:RenderReport" />
    </wsdl:message>

```

```

    <wsdl:message name="IBIMonitoringServiceApplication_RenderReport_OutputMessage">
      <wsdl:part name="parameters" element="i0:RenderReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q11="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q11:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage">
      <wsdl:part name="parameters" element="i0:GetScorecardDependencies" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetScorecardDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q12="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q12:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderScorecard_InputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_RenderScorecard_OutputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q13="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q13:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecardAjaxControl" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage">
      <wsdl:part name="parameters" element="i0:RenderScorecardAjaxControlResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q14="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q14:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage">
      <wsdl:part name="parameters" element="i0:GetRenderControlPreview" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetRenderControlPreviewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q15:BpmException" />
    </wsdl:message>
  </wsdl:service>

```

```

    <wsdl:part
xmlns:q15="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q15:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage">
    <wsdl:part name="parameters" element="i0:GetDrillThroughPreview" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetDrillThroughPreviewResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q16="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q16:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage">
    <wsdl:part name="parameters" element="i0:DecompStartAnalyze" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage">
    <wsdl:part name="parameters" element="i0:DecompStartAnalyzeResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q17="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q17:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage">
    <wsdl:part name="parameters" element="i0:DecompAutoExpand" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage">
    <wsdl:part name="parameters" element="i0:DecompAutoExpandResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q18="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q18:BpmException" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_InputMessage">
    <wsdl:part name="parameters" element="i0:DecompCreateNavigationList" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_OutputMessage">
    <wsdl:part name="parameters" element="i0:DecompCreateNavigationListResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompCreateNavigationList_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q19="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q19:BpmException" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_InputMessage">
    <wsdl:part name="parameters" element="i0:DecompGetMemberProperties" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_DecompGetMemberProperties_OutputMessage">

```

```

        <wsdl:part name="parameters" element="i0:DecompGetMemberPropertiesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecomGetMemberProperties_BpmExceptionFault_FaultMessag
e">
        <wsdl:part
xmlns:q20="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q20:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecomExpand_InputMessage">
        <wsdl:part name="parameters" element="i0:DecompExpand" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DecomExpand_OutputMessage">
        <wsdl:part name="parameters" element="i0:DecompExpandResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DecomExpand_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q21="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q21:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetReportViewImageData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetReportViewImageDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q22="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q22:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotation_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotation_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotation_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q23="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q23:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationByID_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotationByID" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnnotationByID_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAnnotationByIDResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAnnotationByID_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q24="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q24:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAllAnnotationsByScorecardLocation" />

```



```

    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAllAnnotationsByScorecardLocationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_BpmExceptionFault_
FaultMessage">
    <wsdl:part
xmlns:q25="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q25:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateAnnotation_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q26="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q26:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_UpdateAnnotation_InputMessage">
    <wsdl:part name="parameters" element="i0:UpdateAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_UpdateAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_UpdateAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q27="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q27:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteAnnotation_InputMessage">
    <wsdl:part name="parameters" element="i0>DeleteAnnotation" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteAnnotation_OutputMessage">
    <wsdl:part name="parameters" element="i0>DeleteAnnotationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DeleteAnnotation_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q28="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q28:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_InputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByScorecardLocation" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_OutputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByScorecardLocationResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_BpmExceptionFault_Fau
ltMessage">

```

```

    <wsdl:part
xmlns:q29="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q29:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_InputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByOwner" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_OutputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationByOwnerResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationByOwner_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q30="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q30:BpmException" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_InputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationUntouchedSince" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_OutputMessage">
    <wsdl:part name="parameters" element="i0:TrimAnnotationUntouchedSinceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_BpmExceptionFault_FaultMes
sage">
    <wsdl:part
xmlns:q31="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q31:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_CreateDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_CreateDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_CreateDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q32="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q32:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_UpdateDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:UpdateDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_UpdateDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:UpdateDataSourceResponse" />
  </wsdl:message>
  <wsdl:message
name="IBIMonitoringServiceApplication_UpdateDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q33="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q33:BpmException" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:GetDataSource" />
  </wsdl:message>
  <wsdl:message name="IBIMonitoringServiceApplication_GetDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetDataSourceResponse" />

```

```

    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDataSource_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q34="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q34:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteDataSource_InputMessage">
      <wsdl:part name="parameters" element="i0:DeleteDataSource" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_DeleteDataSource_OutputMessage">
      <wsdl:part name="parameters" element="i0:DeleteDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_DeleteDataSource_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q35="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q35:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_SaveFilterValues_InputMessage">
      <wsdl:part name="parameters" element="i0:SaveFilterValues" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage">
      <wsdl:part name="parameters" element="i0:SaveFilterValuesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q36="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q36:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage">
      <wsdl:part name="parameters" element="i0:SearchParameterDisplayData" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage">
      <wsdl:part name="parameters" element="i0:SearchParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SearchParameterDisplayData_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q37="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q37:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage">
      <wsdl:part name="parameters" element="i0:GetRemainingParameterDisplayData" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetRemainingParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q38="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q38:BpmException" />
    </wsdl:message>

```

```

    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage">
    <wsdl:part name="parameters" element="i0:GetRemainingSearchResults" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetRemainingSearchResultsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRemainingSearchResults_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q39="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q39:BpmException" />
    </wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetKpisFromScorecard_InputMessage">
    <wsdl:part name="parameters" element="i0:GetKpisFromScorecard" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetKpisFromScorecard_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetKpisFromScorecardResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetKpisFromScorecard_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q40="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q40:BpmException" />
    </wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnalyticReportView_InputMessage">
    <wsdl:part name="parameters" element="i0:GetAnalyticReportView" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAnalyticReportView_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetAnalyticReportViewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAnalyticReportView_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q41="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q41:BpmException" />
    </wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage">
    <wsdl:part name="parameters" element="i0:GetStrategyMapReportView" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetStrategyMapReportViewResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q42="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q42:BpmException" />
    </wsdl:part>
    <wsdl:message name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_InputMessage">
    <wsdl:part name="parameters" element="i0:GetLatestAnalyticReportVersion" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetLatestAnalyticReportVersionResponse" />
    </wsdl:message>

```

```

    <wsdl:message
name="IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_BpmExceptionFault_FaultM
essage">
    <wsdl:part
xmlns:q43="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q43:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettings_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSettings" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettings_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q44="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q44:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSetting_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSetting" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSetting_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q45="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q45:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettingValue_InputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingValue" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetSettingValue_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetSettingValueResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q46="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q46:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_InputMessage">
    <wsdl:part name="parameters" element="i0:GetMdx" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetMdxResponse" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetMdx_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q47="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q47:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_InputMessage">
    <wsdl:part name="parameters" element="i0:SaveTemporaryAnalyticReport" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_OutputMessage">

```

```

        <wsdl:part name="parameters" element="i0:SaveTemporaryAnalyticReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_BpmExceptionFault_FaultMess
age">
        <wsdl:part
xmlns:q48="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q48:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage">
        <wsdl:part name="parameters" element="i0:SaveTemporaryStrategyMapReport" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage">
        <wsdl:part name="parameters" element="i0:SaveTemporaryStrategyMapReportResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_FaultM
essage">
        <wsdl:part
xmlns:q49="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q49:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetQueryResultMembers_InputMessage">
        <wsdl:part name="parameters" element="i0:GetQueryResultMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetQueryResultMembers_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetQueryResultMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetQueryResultMembers_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q50="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q50:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:GetDatabaseNamesFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetDatabaseNamesFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_BpmExceptionFault_FaultM
essage">
        <wsdl:part
xmlns:q51="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q51:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetPreviewDataSet_InputMessage">
        <wsdl:part name="parameters" element="i0:GetPreviewDataSet" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetPreviewDataSet_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetPreviewDataSetResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetPreviewDataSet_BpmExceptionFault_FaultMessage">

```

```

        <wsdl:part
xmlns:q52="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q52:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeNameInfos_InputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeNameInfos" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeNameInfos_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeNameInfosResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeNameInfos_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q53="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q53:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeMetaData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeMetaData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeMetaData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeMetaDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaData_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q54="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q54:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeMetaDataForDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetCubeMetaDataForDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_BpmExceptionFault_FaultMes
sage">
        <wsdl:part
xmlns:q55="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q55:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_TestConnection_InputMessage">
        <wsdl:part name="parameters" element="i0:TestConnection" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_TestConnection_OutputMessage">
        <wsdl:part name="parameters" element="i0:TestConnectionResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_TestConnection_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q56="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q56:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetDimensions_InputMessage">
        <wsdl:part name="parameters" element="i0:GetDimensions" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetDimensions_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetDimensionsResponse" />

```

```

    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensions_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q57="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q57:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_InputMessage">
      <wsdl:part name="parameters" element="i0:GetDimensionsFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetDimensionsFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetDimensionsFromDataSource_BpmExceptionFault_FaultMess
age">
      <wsdl:part
xmlns:q58="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q58:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCube_InputMessage">
      <wsdl:part name="parameters" element="i0:GetCube" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCube_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetCubeResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCube_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q59="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q59:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeFromDataSource_InputMessage">
      <wsdl:part name="parameters" element="i0:GetCubeFromDataSource" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetCubeFromDataSource_OutputMessage">
      <wsdl:part name="parameters" element="i0:GetCubeFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetCubeFromDataSource_BpmExceptionFault_FaultMessage">
      <wsdl:part
xmlns:q60="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q60:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_InputMessage">
      <wsdl:part name="parameters" element="i0:QueryDimensionRootMembers" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_OutputMessage">
      <wsdl:part name="parameters" element="i0:QueryDimensionRootMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembers_BpmExceptionFault_FaultMessag
e">
      <wsdl:part
xmlns:q61="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q61:BpmException" />
    </wsdl:message>

```



```

    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryDimensionRootMembersFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryDimensionRootMembersFromDataSourceResponse"
/>
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q62="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q62:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTransformMembers_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryTransformMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTransformMembers_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryTransformMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTransformMembers_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q63="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q63:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryChildMembers_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembers" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryChildMembers_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembers_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q64="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q64:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q65="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q65:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryChildMembersByRangeFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_OutputMessage">

```

```

        <wsdl:part name="parameters" element="i0:QueryChildMembersByRangeFromDataSourceResponse"
    />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q66="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q66:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryRelatedMember_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMember" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryRelatedMember_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMemberResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMember_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q67="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q67:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMemberFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryRelatedMemberFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q68="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q68:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryNamedSets_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSets" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryNamedSets_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSetsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSets_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q69="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q69:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_InputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSetsFromDataSource" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_OutputMessage">
        <wsdl:part name="parameters" element="i0:QueryNamedSetsFromDataSourceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_BpmExceptionFault_FaultMessage">

```

```

    <wsdl:part
xmlns:q70="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q70:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ValidateKpi_InputMessage">
        <wsdl:part name="parameters" element="i0:ValidateKpi" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_ValidateKpi_OutputMessage">
        <wsdl:part name="parameters" element="i0:ValidateKpiResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_ValidateKpi_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q71="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q71:BpmException" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_ValidateScorecard_InputMessage">
            <wsdl:part name="parameters" element="i0:ValidateScorecard" />
        </wsdl:message>
        <wsdl:message name="IBIMonitoringServiceApplication_ValidateScorecard_OutputMessage">
            <wsdl:part name="parameters" element="i0:ValidateScorecardResponse" />
        </wsdl:message>
        <wsdl:message
name="IBIMonitoringServiceApplication_ValidateScorecard_BpmExceptionFault_FaultMessage">
            <wsdl:part
xmlns:q72="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q72:BpmException" />
            </wsdl:message>
            <wsdl:message name="IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage">
                <wsdl:part name="parameters" element="i0:ValidateSiteCollection" />
            </wsdl:message>
            <wsdl:message name="IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage">
                <wsdl:part name="parameters" element="i0:ValidateSiteCollectionResponse" />
            </wsdl:message>
            <wsdl:message
name="IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMessage">
                <wsdl:part
xmlns:q73="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q73:BpmException" />
                </wsdl:message>
                <wsdl:message name="IBIMonitoringServiceApplication_MaintenanceJob_InputMessage">
                    <wsdl:part name="parameters" element="i0:MaintenanceJob" />
                </wsdl:message>
                <wsdl:message name="IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage">
                    <wsdl:part name="parameters" element="i0:MaintenanceJobResponse" />
                </wsdl:message>
                <wsdl:message
name="IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage">
                    <wsdl:part
xmlns:q74="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q74:BpmException" />
                    </wsdl:message>
                    <wsdl:message name="IBIMonitoringServiceApplication_GenerateView_InputMessage">
                        <wsdl:part name="parameters" element="i0:GenerateView" />
                    </wsdl:message>
                    <wsdl:message name="IBIMonitoringServiceApplication_GenerateView_OutputMessage">
                        <wsdl:part name="parameters" element="i0:GenerateViewResponse" />
                    </wsdl:message>
                    <wsdl:message
name="IBIMonitoringServiceApplication_GenerateView_BpmExceptionFault_FaultMessage">

```

```

        <wsdl:part
xmlns:q75="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q75:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GenerateViewDirect_InputMessage">
        <wsdl:part name="parameters" element="i0:GenerateViewDirect" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GenerateViewDirect_OutputMessage">
        <wsdl:part name="parameters" element="i0:GenerateViewDirectResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GenerateViewDirect_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q76="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q76:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAsKpis_InputMessage">
        <wsdl:part name="parameters" element="i0:GetAsKpis" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetAsKpis_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetAsKpisResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetAsKpis_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q77="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q77:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterDisplayData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterDisplayData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterDisplayData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetParameterDisplayData_BpmExceptionFault_FaultMessage"
>
        <wsdl:part
xmlns:q78="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q78:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetFilterDisplayData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetFilterDisplayDataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessage">
        <wsdl:part
xmlns:q79="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q79:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterMessageData" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage">
        <wsdl:part name="parameters" element="i0:GetParameterMessageDataResponse" />
    </wsdl:message>

```

```

    <wsdl:message
name="IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMessage"
>
    <wsdl:part
xmlns:q80="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q80:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTimeIntelligence_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligence" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_QueryTimeIntelligence_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligenceResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligence_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q81="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q81:BpmException" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_InputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligenceDirect" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_OutputMessage">
    <wsdl:part name="parameters" element="i0:QueryTimeIntelligenceDirectResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_BpmExceptionFault_FaultMess
age">
    <wsdl:part
xmlns:q82="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q82:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_InputMessage">
    <wsdl:part name="parameters" element="i0:GetRegisteredCustomFCOs" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetRegisteredCustomFCOsResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_BpmExceptionFault_FaultMessage"
>
    <wsdl:part
xmlns:q83="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q83:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateReportHtml_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateReportHtml" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateReportHtmlResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q84="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q84:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage">
    <wsdl:part name="parameters" element="i0:CreateNavigationMetadata" />

```

```

    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage">
    <wsdl:part name="parameters" element="i0:CreateNavigationMetadataResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q85="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q85:BpmException" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage">
    <wsdl:part name="parameters" element="i0:GetFilterDependencies" />
    </wsdl:message>
    <wsdl:message name="IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage">
    <wsdl:part name="parameters" element="i0:GetFilterDependenciesResponse" />
    </wsdl:message>
    <wsdl:message
name="IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMessage">
    <wsdl:part
xmlns:q86="http://schemas.datacontract.org/2004/07/Microsoft.PerformancePoint.Scorecards"
name="detail" element="q86:BpmException" />
    </wsdl:message>
    <wsdl:portType name="IBIMonitoringServiceApplication">
    <wsdl:operation name="UpdateSettingValue">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValue"
message="i0:IBIMonitoringServiceApplication_UpdateSettingValue_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValueResponse"
message="i0:IBIMonitoringServiceApplication_UpdateSettingValue_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateSettingValueBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_UpdateSettingValue_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetAnnotationSetting">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSetting"
message="i0:IBIMonitoringServiceApplication_GetAnnotationSetting_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSettingResponse"
message="i0:IBIMonitoringServiceApplication_GetAnnotationSetting_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationSettingBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnnotationSetting_BpmExceptionFault_FaultMessa
ge" />
    </wsdl:operation>
    <wsdl:operation name="GetDependentElements">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElements"
message="i0:IBIMonitoringServiceApplication_GetDependentElements_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/GetDependentElementsResponse"
message="i0:IBIMonitoringServiceApplication_GetDependentElements_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDependentElementsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDependentElements_BpmExceptionFault_FaultMessa
ge" />
  </wsdl:operation>
  <wsdl:operation name="GetTreeMembersDataTable">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetTreeMembersDataTable"
message="i0:IBIMonitoringServiceApplication_GetTreeMembersDataTable_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetTreeMembersDataTableResponse"
message="i0:IBIMonitoringServiceApplication_GetTreeMembersDataTable_OutputMessage" />
    </wsdl:operation>
    <wsdl:operation name="RenderTreeMemberSelector">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderTreeMemberSelector"
message="i0:IBIMonitoringServiceApplication_RenderTreeMemberSelector_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderTreeMemberSelectorResponse"
message="i0:IBIMonitoringServiceApplication_RenderTreeMemberSelector_OutputMessage" />
      </wsdl:operation>
      <wsdl:operation name="GetListItems">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItems" message="i0:IBIMonitoringServiceApplication_GetListItems_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItemsResponse"
message="i0:IBIMonitoringServiceApplication_GetListItems_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetListItemsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetListItems_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="RenderFilter">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilter" message="i0:IBIMonitoringServiceApplication_RenderFilter_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilterResponse"
message="i0:IBIMonitoringServiceApplication_RenderFilter_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderFilterBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderFilter_BpmExceptionFault_FaultMessage" />
          </wsdl:operation>
          <wsdl:operation name="GetReportDependencies">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependencies"
message="i0:IBIMonitoringServiceApplication_GetReportDependencies_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesResponse"
message="i0:IBIMonitoringServiceApplication_GetReportDependencies_OutputMessage" />

```

```

        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetReportDependencies_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="ReportSupportsExportFormat">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormat"
message="i0:IBIMonitoringServiceApplication_ReportSupportsExportFormat_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormatResponse"
message="i0:IBIMonitoringServiceApplication_ReportSupportsExportFormat_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ReportSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ReportSupportsExportFormat_BpmExceptionFault_Faul
tMessage" />
        </wsdl:operation>
        <wsdl:operation name="ExportReport">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReport" message="i0:IBIMonitoringServiceApplication_ExportReport_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportResponse"
message="i0:IBIMonitoringServiceApplication_ExportReport_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ExportReport_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="ScorecardSupportsExportFormat">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormat"
message="i0:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormatResponse"
message="i0:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ScorecardSupportsExportFormatBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ScorecardSupportsExportFormat_BpmExceptionFault_F
aultMessage" />
                </wsdl:operation>
                <wsdl:operation name="ExportScorecard">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecard"
message="i0:IBIMonitoringServiceApplication_ExportScorecard_InputMessage" />
                    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardResponse"
message="i0:IBIMonitoringServiceApplication_ExportScorecard_OutputMessage" />
                    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ExportScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ExportScorecard_BpmExceptionFault_FaultMessage"
/>
                    </wsdl:operation>
                
```



```

        </wsdl:operation>
        <wsdl:operation name="RenderReport">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReport" message="i0:IBIMonitoringServiceApplication_RenderReport_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportResponse"
message="i0:IBIMonitoringServiceApplication_RenderReport_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderReport_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="GetScorecardDependencies">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependencies"
message="i0:IBIMonitoringServiceApplication_GetScorecardDependencies_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesResponse"
message="i0:IBIMonitoringServiceApplication_GetScorecardDependencies_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetScorecardDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetScorecardDependencies_BpmExceptionFault_FaultM
essage" />
                </wsdl:operation>
                <wsdl:operation name="RenderScorecard">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecard"
message="i0:IBIMonitoringServiceApplication_RenderScorecard_InputMessage" />
                    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardResponse"
message="i0:IBIMonitoringServiceApplication_RenderScorecard_OutputMessage" />
                    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderScorecard_BpmExceptionFault_FaultMessage"
/>
                    </wsdl:operation>
                    <wsdl:operation name="RenderScorecardAjaxControl">
                        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControl"
message="i0:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_InputMessage" />
                        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlResponse"
message="i0:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_OutputMessage" />
                        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/RenderScorecardAjaxControlBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_RenderScorecardAjaxControl_BpmExceptionFault_Faul
tMessage" />
                        </wsdl:operation>
                        <wsdl:operation name="GetRenderControlPreview">
                            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/GetRenderControlPreview"
message="i0:IBIMonitoringServiceApplication_GetRenderControlPreview_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreviewResponse"
message="i0:IBIMonitoringServiceApplication_GetRenderControlPreview_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRenderControlPreviewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRenderControlPreview_BpmExceptionFault_FaultMes
sage" />
  </wsdl:operation>
  <wsdl:operation name="GetDrillThroughPreview">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreview"
message="i0:IBIMonitoringServiceApplication_GetDrillThroughPreview_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreviewResponse"
message="i0:IBIMonitoringServiceApplication_GetDrillThroughPreview_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDrillThroughPreviewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDrillThroughPreview_BpmExceptionFault_FaultMes
sage" />
    </wsdl:operation>
    <wsdl:operation name="DecompStartAnalyze">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyze"
message="i0:IBIMonitoringServiceApplication_DecompStartAnalyze_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeResponse"
message="i0:IBIMonitoringServiceApplication_DecompStartAnalyze_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompStartAnalyzeBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompStartAnalyze_BpmExceptionFault_FaultMessage
" />
      </wsdl:operation>
      <wsdl:operation name="DecompAutoExpand">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpand"
message="i0:IBIMonitoringServiceApplication_DecompAutoExpand_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpandResponse"
message="i0:IBIMonitoringServiceApplication_DecompAutoExpand_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompAutoExpandBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompAutoExpand_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="DecompCreateNavigationList">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationList"
message="i0:IBIMonitoringServiceApplication_DecompCreateNavigationList_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/DecompCreateNavigationListResponse"
message="i0:IBIMonitoringServiceApplication_DecompCreateNavigationList_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompCreateNavigationListBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompCreateNavigationList_BpmExceptionFault_Faul
tMessage" />
  </wsdl:operation>
  <wsdl:operation name="DecompGetMemberProperties">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberProperties"
message="i0:IBIMonitoringServiceApplication_DecompGetMemberProperties_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberPropertiesResponse"
message="i0:IBIMonitoringServiceApplication_DecompGetMemberProperties_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompGetMemberPropertiesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompGetMemberProperties_BpmExceptionFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="DecompExpand">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpand" message="i0:IBIMonitoringServiceApplication_DecompExpand_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpandResponse"
message="i0:IBIMonitoringServiceApplication_DecompExpand_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DecompExpandBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DecompExpand_BpmExceptionFault_FaultMessage" />
      </wsdl:operation>
      <wsdl:operation name="GetReportViewImageData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageData"
message="i0:IBIMonitoringServiceApplication_GetReportViewImageData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataResponse"
message="i0:IBIMonitoringServiceApplication_GetReportViewImageData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetReportViewImageDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetReportViewImageData_BpmExceptionFault_FaultMes
sage" />
        </wsdl:operation>
        <wsdl:operation name="GetAnnotation">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotation" message="i0:IBIMonitoringServiceApplication_GetAnnotation_InputMessage"
/>
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_GetAnnotation_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnnotation_BpmExceptionFault_FaultMessage" />

```

```

    </wsdl:operation>
    <wsdl:operation name="GetAnnotationByID">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByID"
message="i0:IBIMonitoringServiceApplication_GetAnnotationByID_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByIDResponse"
message="i0:IBIMonitoringServiceApplication_GetAnnotationByID_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnnotationByBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnnotationByID_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetAllAnnotationsByScorecardLocation">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocation"
message="i0:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_InputMessage"
/>
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocationResponse"
message="i0:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_OutputMessag
e" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAllAnnotationsByScorecardLocationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAllAnnotationsByScorecardLocation_BpmException
Fault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="CreateAnnotation">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotation"
message="i0:IBIMonitoringServiceApplication_CreateAnnotation_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_CreateAnnotation_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateAnnotation_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateAnnotation">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotation"
message="i0:IBIMonitoringServiceApplication_UpdateAnnotation_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_UpdateAnnotation_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_UpdateAnnotation_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>

```

```

        <wsdl:operation name="DeleteAnnotation">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotation"
message="i0:IBIMonitoringServiceApplication_DeleteAnnotation_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotationResponse"
message="i0:IBIMonitoringServiceApplication_DeleteAnnotation_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteAnnotationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DeleteAnnotation_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="TrimAnnotationByScorecardLocation">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocation"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_InputMessage"
/>
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocationResponse"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_OutputMessage"
/>
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByScorecardLocationBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByScorecardLocation_BpmExceptionFau
lt_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="TrimAnnotationByOwner">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwner"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByOwner_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwnerResponse"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByOwner_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationByOwnerBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationByOwner_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="TrimAnnotationUntouchedSince">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSince"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSinceResponse"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TrimAnnotationUntouchedSinceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TrimAnnotationUntouchedSince_BpmExceptionFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="CreateDataSource">

```

```

        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSource"
message="i0:IBIMonitoringServiceApplication_CreateDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_CreateDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateDataSource_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="UpdateDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSource"
message="i0:IBIMonitoringServiceApplication_UpdateDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_UpdateDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/UpdateDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_UpdateDataSource_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSource" message="i0:IBIMonitoringServiceApplication_GetDataSource_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDataSource_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="DeleteDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSource"
message="i0:IBIMonitoringServiceApplication_DeleteDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_DeleteDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/DeleteDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_DeleteDataSource_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="SaveFilterValues">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValues"
message="i0:IBIMonitoringServiceApplication_SaveFilterValues_InputMessage" />

```

```

        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesResponse"
message="i0:IBIMonitoringServiceApplication_SaveFilterValues_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveFilterValuesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SaveFilterValues_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="SearchParameterDisplayData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SearchParameterDisplayData"
message="i0:IBIMonitoringServiceApplication_SearchParameterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SearchParameterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_SearchParameterDisplayData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SearchParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SearchParameterDisplayData_BpmExceptionFault_Faul
tMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetRemainingParameterDisplayData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingParameterDisplayData"
message="i0:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingParameterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRemainingParameterDisplayData_BpmExceptionFaul
t_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetRemainingSearchResults">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingSearchResults"
message="i0:IBIMonitoringServiceApplication_GetRemainingSearchResults_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingSearchResultsResponse"
message="i0:IBIMonitoringServiceApplication_GetRemainingSearchResults_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRemainingSearchResultsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRemainingSearchResults_BpmExceptionFault_Fault
Message" />
    </wsdl:operation>
    <wsdl:operation name="GetKpisFromScorecard">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecard"
message="i0:IBIMonitoringServiceApplication_GetKpisFromScorecard_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/GetKpisFromScorecardResponse"
message="i0:IBIMonitoringServiceApplication_GetKpisFromScorecard_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetKpisFromScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetKpisFromScorecard_BpmExceptionFault_FaultMessa
ge" />
  </wsdl:operation>
  <wsdl:operation name="GetAnalyticReportView">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportView"
message="i0:IBIMonitoringServiceApplication_GetAnalyticReportView_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportViewResponse"
message="i0:IBIMonitoringServiceApplication_GetAnalyticReportView_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAnalyticReportViewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAnalyticReportView_BpmExceptionFault_FaultMess
age" />
    </wsdl:operation>
    <wsdl:operation name="GetStrategyMapReportView">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportView"
message="i0:IBIMonitoringServiceApplication_GetStrategyMapReportView_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewResponse"
message="i0:IBIMonitoringServiceApplication_GetStrategyMapReportView_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetStrategyMapReportViewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetStrategyMapReportView_BpmExceptionFault_FaultM
essage" />
      </wsdl:operation>
      <wsdl:operation name="GetLatestAnalyticReportVersion">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersion"
message="i0:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersionResponse"
message="i0:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetLatestAnalyticReportVersionBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetLatestAnalyticReportVersion_BpmExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetSettings">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettings" message="i0:IBIMonitoringServiceApplication_GetSettings_InputMessage" />
          <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingsResponse"
message="i0:IBIMonitoringServiceApplication_GetSettings_OutputMessage" />
          <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```



```

tion/GetSettingsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetSettings_BpmExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetSetting">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSetting" message="i0:IBIMonitoringServiceApplication_GetSetting_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingResponse"
message="i0:IBIMonitoringServiceApplication_GetSetting_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetSetting_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetSettingValue">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValue"
message="i0:IBIMonitoringServiceApplication_GetSettingValue_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValueResponse"
message="i0:IBIMonitoringServiceApplication_GetSettingValue_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetSettingValueBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetSettingValue_BpmExceptionFault_FaultMessage"
/>
    </wsdl:operation>
    <wsdl:operation name="GetMdx">
      <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdx" message="i0:IBIMonitoringServiceApplication_GetMdx_InputMessage" />
      <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdxResponse" message="i0:IBIMonitoringServiceApplication_GetMdx_OutputMessage" />
      <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetMdxBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetMdx_BpmExceptionFault_FaultMessage" />
      </wsdl:operation>
      <wsdl:operation name="SaveTemporaryAnalyticReport">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReport"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReportResponse"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryAnalyticReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryAnalyticReport_BpmExceptionFault_Fau
ltMessage" />
        </wsdl:operation>
        <wsdl:operation name="SaveTemporaryStrategyMapReport">
          <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReport"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_InputMessage" />

```

```

        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportResponse"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/SaveTemporaryStrategyMapReportBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_SaveTemporaryStrategyMapReport_BpmExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetQueryResultMembers">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembers"
message="i0:IBIMonitoringServiceApplication_GetQueryResultMembers_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembersResponse"
message="i0:IBIMonitoringServiceApplication_GetQueryResultMembers_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetQueryResultMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetQueryResultMembers_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="GetDatabaseNamesFromDataSource">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSource"
message="i0:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDatabaseNamesFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDatabaseNamesFromDataSource_BpmExceptionFault_
FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetPreviewDataSet">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSet"
message="i0:IBIMonitoringServiceApplication_GetPreviewDataSet_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSetResponse"
message="i0:IBIMonitoringServiceApplication_GetPreviewDataSet_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetPreviewDataSetBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetPreviewDataSet_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="GetCubeNameInfos">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfos"
message="i0:IBIMonitoringServiceApplication_GetCubeNameInfos_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/GetCubeNameInfosResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeNameInfos_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeNameInfosBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeNameInfos_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetCubeMetaData">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaData"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaData_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaData_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaData_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="GetCubeMetaDataForDataSource">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSource"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeMetaDataForDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeMetaDataForDataSource_BpmExceptionFault_Fa
ultMessage" />
  </wsdl:operation>
  <wsdl:operation name="TestConnection">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnection" message="i0:IBIMonitoringServiceApplication_TestConnection_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnectionResponse"
message="i0:IBIMonitoringServiceApplication_TestConnection_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/TestConnectionBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_TestConnection_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
  <wsdl:operation name="GetDimensions">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensions" message="i0:IBIMonitoringServiceApplication_GetDimensions_InputMessage"
/>
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsResponse"
message="i0:IBIMonitoringServiceApplication_GetDimensions_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/GetDimensionsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDimensions_BpmExceptionFault_FaultMessage" />
</wsdl:operation>
<wsdl:operation name="GetDimensionsFromDataSource">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSource"
message="i0:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetDimensionsFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetDimensionsFromDataSource_BpmExceptionFault_Fau
ltMessage" />
  </wsdl:operation>
<wsdl:operation name="GetCube">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCube" message="i0:IBIMonitoringServiceApplication_GetCube_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeResponse" message="i0:IBIMonitoringServiceApplication_GetCube_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCube_BpmExceptionFault_FaultMessage" />
  </wsdl:operation>
<wsdl:operation name="GetCubeFromDataSource">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSource"
message="i0:IBIMonitoringServiceApplication_GetCubeFromDataSource_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_GetCubeFromDataSource_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetCubeFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetCubeFromDataSource_BpmExceptionFault_FaultMess
age" />
  </wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembers">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembers"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembers_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersResponse"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembers_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembers_BpmExceptionFault_Fault
Message" />
  </wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembersFromDataSource">
  <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/QueryDimensionRootMembersFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_InputMess
age" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_OutputMes
sage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryDimensionRootMembersFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryDimensionRootMembersFromDataSource_BpmExcept
ionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryTransformMembers">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembers"
message="i0:IBIMonitoringServiceApplication_QueryTransformMembers_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembersResponse"
message="i0:IBIMonitoringServiceApplication_QueryTransformMembers_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTransformMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryTransformMembers_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="QueryChildMembers">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembers"
message="i0:IBIMonitoringServiceApplication_QueryChildMembers_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersResponse"
message="i0:IBIMonitoringServiceApplication_QueryChildMembers_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryChildMembers_BpmExceptionFault_FaultMessage"
/>
            </wsdl:operation>
            <wsdl:operation name="QueryChildMembersFromDataSource">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersFromDataSource_BpmExceptionFault
_FaultMessage" />
                </wsdl:operation>
                <wsdl:operation name="QueryChildMembersByRangeFromDataSource">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryChildMembersByRangeFromDataSource"

```

```

message="i0:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersByRangeFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersByRangeFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryChildMembersByRangeFromDataSource_BpmExceptionFault_FaultMessage" />
    </wsdl:operation>
    <wsdl:operation name="QueryRelatedMember">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMember"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMember_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberResponse"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMember_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMember_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="QueryRelatedMemberFromDataSource">
            <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_InputMessage" />
            <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_OutputMessage" />
            <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMemberFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryRelatedMemberFromDataSource_BpmExceptionFault_FaultMessage" />
            </wsdl:operation>
            <wsdl:operation name="QueryNamedSets">
                <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSets" message="i0:IBIMonitoringServiceApplication_QueryNamedSets_InputMessage" />
                <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsResponse"
message="i0:IBIMonitoringServiceApplication_QueryNamedSets_OutputMessage" />
                <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryNamedSets_BpmExceptionFault_FaultMessage" />
                </wsdl:operation>
                <wsdl:operation name="QueryNamedSetsFromDataSource">
                    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryNamedSetsFromDataSource"
message="i0:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_InputMessage" />

```

```

        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSourceResponse"
message="i0:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryNamedSetsFromDataSourceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryNamedSetsFromDataSource_BpmExceptionFault_Fa
ultMessage" />
        </wsdl:operation>
        <wsdl:operation name="ValidateKpi">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpi" message="i0:IBIMonitoringServiceApplication_ValidateKpi_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpiResponse"
message="i0:IBIMonitoringServiceApplication_ValidateKpi_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateKpiBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ValidateKpi_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="ValidateScorecard">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecard"
message="i0:IBIMonitoringServiceApplication_ValidateScorecard_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecardResponse"
message="i0:IBIMonitoringServiceApplication_ValidateScorecard_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateScorecardBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ValidateScorecard_BpmExceptionFault_FaultMessage"
/>
        </wsdl:operation>
        <wsdl:operation name="ValidateSiteCollection">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollection"
message="i0:IBIMonitoringServiceApplication_ValidateSiteCollection_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionResponse"
message="i0:IBIMonitoringServiceApplication_ValidateSiteCollection_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/ValidateSiteCollectionBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_ValidateSiteCollection_BpmExceptionFault_FaultMes
sage" />
        </wsdl:operation>
        <wsdl:operation name="MaintenanceJob">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJob" message="i0:IBIMonitoringServiceApplication_MaintenanceJob_InputMessage"
/>
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobResponse"
message="i0:IBIMonitoringServiceApplication_MaintenanceJob_OutputMessage" />

```

```

        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/MaintenanceJobBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_MaintenanceJob_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GenerateView">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateView" message="i0:IBIMonitoringServiceApplication_GenerateView_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewResponse"
message="i0:IBIMonitoringServiceApplication_GenerateView_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GenerateView_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GenerateViewDirect">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirect"
message="i0:IBIMonitoringServiceApplication_GenerateViewDirect_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirectResponse"
message="i0:IBIMonitoringServiceApplication_GenerateViewDirect_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GenerateViewDirectBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GenerateViewDirect_BpmExceptionFault_FaultMessage
" />
        </wsdl:operation>
        <wsdl:operation name="GetAsKpis">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpis" message="i0:IBIMonitoringServiceApplication_GetAsKpis_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpisResponse" message="i0:IBIMonitoringServiceApplication_GetAsKpis_OutputMessage"
/>
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetAsKpisBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetAsKpis_BpmExceptionFault_FaultMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetParameterDisplayData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayData"
message="i0:IBIMonitoringServiceApplication_GetParameterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_GetParameterDisplayData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetParameterDisplayData_BpmExceptionFault_FaultMe
ssage" />
        </wsdl:operation>
        <wsdl:operation name="GetFilterDisplayData">

```



```

        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayData"
message="i0:IBIMonitoringServiceApplication_GetFilterDisplayData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayDataResponse"
message="i0:IBIMonitoringServiceApplication_GetFilterDisplayData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDisplayDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetFilterDisplayData_BpmExceptionFault_FaultMessa
ge" />
        </wsdl:operation>
        <wsdl:operation name="GetParameterMessageData">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageData"
message="i0:IBIMonitoringServiceApplication_GetParameterMessageData_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataResponse"
message="i0:IBIMonitoringServiceApplication_GetParameterMessageData_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetParameterMessageDataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetParameterMessageData_BpmExceptionFault_FaultMe
ssage" />
        </wsdl:operation>
        <wsdl:operation name="QueryTimeIntelligence">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligence"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligence_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceResponse"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligence_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligence_BpmExceptionFault_FaultMess
age" />
        </wsdl:operation>
        <wsdl:operation name="QueryTimeIntelligenceDirect">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirect"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_InputMessage" />
        <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirectResponse"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_OutputMessage" />
        <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/QueryTimeIntelligenceDirectBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_QueryTimeIntelligenceDirect_BpmExceptionFault_Fau
ltMessage" />
        </wsdl:operation>
        <wsdl:operation name="GetRegisteredCustomFCOs">
        <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica

```

```

tion/GetRegisteredCustomFCOs"
message="i0:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_InputMessage" />
  <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOsResponse"
message="i0:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_OutputMessage" />
  <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetRegisteredCustomFCOsBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetRegisteredCustomFCOs_BpmExceptionFault_FaultMe
ssage" />
  </wsdl:operation>
  <wsdl:operation name="CreateReportHtml">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtml"
message="i0:IBIMonitoringServiceApplication_CreateReportHtml_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlResponse"
message="i0:IBIMonitoringServiceApplication_CreateReportHtml_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateReportHtmlBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateReportHtml_BpmExceptionFault_FaultMessage"
/>
  </wsdl:operation>
  <wsdl:operation name="CreateNavigationMetadata">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadata"
message="i0:IBIMonitoringServiceApplication_CreateNavigationMetadata_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadataResponse"
message="i0:IBIMonitoringServiceApplication_CreateNavigationMetadata_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/CreateNavigationMetadataBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_CreateNavigationMetadata_BpmExceptionFault_FaultM
essage" />
  </wsdl:operation>
  <wsdl:operation name="GetFilterDependencies">
    <wsdl:input
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependencies"
message="i0:IBIMonitoringServiceApplication_GetFilterDependencies_InputMessage" />
    <wsdl:output
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependenciesResponse"
message="i0:IBIMonitoringServiceApplication_GetFilterDependencies_OutputMessage" />
    <wsdl:fault
wsam:Action="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplica
tion/GetFilterDependenciesBpmExceptionFault" name="BpmExceptionFault"
message="i0:IBIMonitoringServiceApplication_GetFilterDependencies_BpmExceptionFault_FaultMess
age" />
  </wsdl:operation>
</wsdl:portType>
  <wsdl:binding name="CustomBinding_IBIMonitoringServiceApplication"
type="i0:IBIMonitoringServiceApplication">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="UpdateSettingValue">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/UpdateSettingValue" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotationSetting">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotationSetting" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDependentElements">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDependentElements" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetTreeMembersDataTable">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetTreeMembersDataTable" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="RenderTreeMemberSelector">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderTreeMemberSelector" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>

```

```

        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetListItems">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetListItems" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderFilter">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderFilter" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetReportDependencies">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetReportDependencies" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ReportSupportsExportFormat">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ReportSupportsExportFormat" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ExportReport">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ExportReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ScorecardSupportsExportFormat">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ScorecardSupportsExportFormat" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ExportScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ExportScorecard" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/RenderReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetScorecardDependencies">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetScorecardDependencies" style="document" />
    <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderScorecard">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecard" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="RenderScorecardAjaxControl">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/RenderScorecardAjaxControl" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRenderControlPreview">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRenderControlPreview" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDrillThroughPreview">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetDrillThroughPreview" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

```

```

        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompStartAnalyze">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompStartAnalyze" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompAutoExpand">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompAutoExpand" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompCreateNavigationList">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompCreateNavigationList" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DecompGetMemberProperties">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompGetMemberProperties" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="DecompExpand">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DecompExpand" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetReportViewImageData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetReportViewImageData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotation">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotation" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnnotationByID">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnnotationByID" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAllAnnotationsByScorecardLocation">

```



```

    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAllAnnotationsByScorecardLocation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/UpdateAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="DeleteAnnotation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DeleteAnnotation" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TrimAnnotationByScorecardLocation">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TrimAnnotationByScorecardLocation" style="document" />
    <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TrimAnnotationByOwner">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/TrimAnnotationByOwner" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TrimAnnotationUntouchedSince">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/TrimAnnotationUntouchedSince" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="UpdateDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/UpdateDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />

```

```

        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="DeleteDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/DeleteDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SaveFilterValues">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/SaveFilterValues" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="SearchParameterDisplayData">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/SearchParameterDisplayData" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="GetRemainingParameterDisplayData">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetRemainingParameterDisplayData" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRemainingSearchResults">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetRemainingSearchResults" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetKpisFromScorecard">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetKpisFromScorecard" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAnalyticReportView">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAnalyticReportView" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetStrategyMapReportView">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetStrategyMapReportView" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetLatestAnalyticReportVersion">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetLatestAnalyticReportVersion" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSettings">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSettings" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSetting">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSetting" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetSettingValue">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetSettingValue" style="document" />
    <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetMdx">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetMdx" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveTemporaryAnalyticReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryAnalyticReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="SaveTemporaryStrategyMapReport">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/SaveTemporaryStrategyMapReport" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetQueryResultMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetQueryResultMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

```

```

        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetDatabaseNamesFromDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDatabaseNamesFromDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetPreviewDataSet">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetPreviewDataSet" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetCubeNameInfos">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeNameInfos" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetCubeMetaData">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeMetaData" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="GetCubeMetaDataForDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeMetaDataForDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="TestConnection">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/TestConnection" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDimensions">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDimensions" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetDimensionsFromDataSource">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetDimensionsFromDataSource" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCube">

```



```

    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCube" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetCubeFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetCubeFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryDimensionRootMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryDimensionRootMembersFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryDimensionRootMembersFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTransformMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryTransformMembers" style="document" />
    <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembers">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembers" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembersFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryChildMembersByRangeFromDataSource">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryChildMembersByRangeFromDataSource" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryRelatedMember">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryRelatedMember" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />

```

```

        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryRelatedMemberFromDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryRelatedMemberFromDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryNamedSets">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryNamedSets" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="QueryNamedSetsFromDataSource">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/QueryNamedSetsFromDataSource" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="ValidateKpi">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ValidateKpi" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>

```

```

</wsdl:operation>
<wsdl:operation name="ValidateScorecard">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ValidateScorecard" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="ValidateSiteCollection">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/ValidateSiteCollection" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="MaintenanceJob">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/MaintenanceJob" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GenerateView">
  <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GenerateView" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="BpmExceptionFault">
    <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
  </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GenerateViewDirect">

```

```

    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GenerateViewDirect" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetAsKpis">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetAsKpis" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetParameterDisplayData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetParameterDisplayData" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetFilterDisplayData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetFilterDisplayData" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetParameterMessageData">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetParameterMessageData" style="document" />
    <wsdl:input>

```

```

        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTimeIntelligence">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryTimeIntelligence" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="QueryTimeIntelligenceDirect">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/QueryTimeIntelligenceDirect" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="GetRegisteredCustomFCOs">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/GetRegisteredCustomFCOs" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="BpmExceptionFault">
        <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
    </wsdl:fault>
</wsdl:operation>
<wsdl:operation name="CreateReportHtml">
    <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplication/CreateReportHtml" style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>

```

```

        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="CreateNavigationMetadata">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/CreateNavigationMetadata" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
    <wsdl:operation name="GetFilterDependencies">
        <soap:operation
soapAction="http://www.microsoft.com/performancepoint/scorecards/IBIMonitoringServiceApplicat
ion/GetFilterDependencies" style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="BpmExceptionFault">
            <soap:fault use="literal" name="BpmExceptionFault" namespace="" />
        </wsdl:fault>
    </wsdl:operation>
</wsdl:binding>
</wsdl:definitions>

```

7 Appendix B: 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® Server 2010
- Microsoft® SharePoint® Server 2013 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 2.2.4.15:](#) This type is available only in SharePoint Server 2013 Preview.

[<2> Section 3.1.2:](#) In SharePoint Server 2010, the default query timeout is 300 seconds.

[<3> Section 3.1.4:](#) In SharePoint Server 2010, the **RenderTreeMemberSelector** method is not used.

[<4> Section 3.1.4.10:](#) This operation is available only in SharePoint Server 2013 Preview.

[<5> Section 3.1.4.11:](#) This operation is available only in SharePoint Server 2013 Preview.

[<6> Section 3.1.4.25:](#) In SharePoint Server 2010, the **RenderTreeMemberSelector** method is not used.

[<7> Section 3.1.4.30:](#) This operation is available only in SharePoint Server 2013 Preview.

[<8> Section 3.1.4.32:](#) This operation is available only in SharePoint Server 2013 Preview.

[<9> Section 3.1.4.33:](#) This operation is available only in SharePoint Server 2013 Preview.

[<10> Section 3.1.4.34:](#) This operation is available only in SharePoint Server 2013 Preview.

8 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

9 Index

A

Abstract data model
 [client](#) 140
 [server](#) 47
[Annotation update example](#) 141
[Applicability](#) 20
[ArrayOfArrayOfKeyValueOfstringanyType complex type](#) 30
[ArrayOfArrayOfString complex type](#) 31
[ArrayOfBIData complex type](#) 31
[ArrayOfKeyValueOfstringanyType complex type](#) 31
[ArrayOfScriptDependency complex type](#) 32
[ArrayOfSubstitutionPair complex type](#) 32
[Attribute groups](#) 46
[Attributes](#) 45

B

[BIData complex type](#) 32
[BpmException complex type](#) 33

C

[Capability negotiation](#) 20
[Change tracking](#) 289
Client
 [abstract data model](#) 140
 [details](#) 139
 [initialization](#) 140
 [local events](#) 140
 [message processing](#) 140
 [overview](#) 47
 [sequencing rules](#) 140
 [timer events](#) 140
 [timers](#) 140
Common data structures ([section 2.2.9](#) 46, [section 2.2.9](#) 46)
[Complex types](#) 24
 [ArrayOfArrayOfKeyValueOfstringanyType](#) 30
 [ArrayOfArrayOfString](#) 31
 [ArrayOfBIData](#) 31
 [ArrayOfKeyValueOfstringanyType](#) 31
 [ArrayOfScriptDependency](#) 32
 [ArrayOfSubstitutionPair](#) 32
 [BIData](#) 32
 [BpmException](#) 33
 [DecompQueryParameters](#) 34
 [DictionaryWrapperOfStringArrayOfString](#) 42
 [DictionaryWrapperOfStringListOfString](#) 34
 [DictionaryWrapperOfStringString](#) 34
 [ExportSettings](#) 35
 [OfficeExportInfo](#) 35
 [ParameterMessage](#) 36
 [ParameterSearchResultRecord](#) 36
 [ResourceDependencies](#) 37
 [ScriptDependency](#) 37
 [Setting](#) 38
 [SubstitutionPair](#) 41

[WebPartContext](#) 41
[WebPartContextUpdate](#) 42

D

Data model - abstract
 [client](#) 140
 [server](#) 47
[DecompQueryParameters complex type](#) 34
[DictionaryWrapperOfStringArrayOfString complex type](#) 42
[DictionaryWrapperOfStringListOfString complex type](#) 34
[DictionaryWrapperOfStringString complex type](#) 34

E

Events
 [local - client](#) 140
 [local - server](#) 139
 [timer - client](#) 140
 [timer - server](#) 139
Examples
 [annotation update](#) 141
 [overview](#) 141
 [scorecard render](#) 146
 [ExportFormat simple type](#) 45
 [ExportSettings complex type](#) 35

F

[Faults - messages](#) 23
[Fields - vendor-extensible](#) 20
[Full WSDL](#) 156

G

[Glossary](#) 16
[Groups](#) 45

I

[Implementer - security considerations](#) 155
[Index of security parameters](#) 155
[Informative references](#) 19
Initialization
 [client](#) 140
 [server](#) 50
[Introduction](#) 16

L

Local events
 [client](#) 140
 [server](#) 139

M

Message processing

- [client](#) 140
- [server](#) 50
- Messages
 - [ArrayOfArrayOfKeyValueOfstringanyType complex type](#) 30
 - [ArrayOfArrayOfString complex type](#) 31
 - [ArrayOfBIData complex type](#) 31
 - [ArrayOfKeyValueOfstringanyType complex type](#) 31
 - [ArrayOfScriptDependency complex type](#) 32
 - [ArrayOfSubstitutionPair complex type](#) 32
 - [attribute groups](#) 46
 - [attributes](#) 45
 - [BIData complex type](#) 32
 - [BpmException complex type](#) 33
 - common data structures ([section 2.2.9](#) 46, [section 2.2.9](#) 46)
 - [complex types](#) 24
 - [DecompQueryParameters complex type](#) 34
 - [DictionaryWrapperOfStringArrayOfString complex type](#) 42
 - [DictionaryWrapperOfStringListOfString complex type](#) 34
 - [DictionaryWrapperOfStringString complex type](#) 34
 - [elements](#) 23
 - enumerated ([section 2](#) 22, [section 2.2.2](#) 23)
 - [ExportFormat simple type](#) 45
 - [ExportSettings complex type](#) 35
 - Faults ([section 2.2.2.1](#) 23, [section 2.2.2.1](#) 23)
 - [Faults message](#) 23
 - [groups](#) 45
 - [namespaces](#) 23
 - [OfficeExportInfo complex type](#) 35
 - [ParameterMessage complex type](#) 36
 - [ParameterSearchResultRecord complex type](#) 36
 - [ResourceDependencies complex type](#) 37
 - [ScriptDependency complex type](#) 37
 - [Setting complex type](#) 38
 - [SettingType simple type](#) 45
 - [simple types](#) 42
 - [SubstitutionPair complex type](#) 41
 - [syntax](#) 22
 - [transport](#) 22
 - [WebPartContext complex type](#) 41
 - [WebPartContextUpdate complex type](#) 42

N

- [Namespaces](#) 23
- [Normative references](#) 18

O

- [OfficeExportInfo complex type](#) 35
- Operations
 - [CreateNavigationMetadata](#) 55
 - [CreateReportHtml](#) 57
 - [DecompAutoExpand](#) 132
 - [DecompExpand](#) 134
 - [DecompStartAnalyze](#) 60
 - [ExportReport](#) 63

- [ExportScorecard](#) 65
- [GetDrillThroughPreview](#) 67
- [GetFilterDependencies](#) 70
- [GetFilterDisplayData](#) 72
- [GetParameterMessageData](#) 75
- [GetRemainingParameterDisplayData](#) 78
- [GetRemainingSearchResults](#) 80
- [GetRenderControlPreview](#) 83
- [GetReportDependencies](#) 85
- [GetReportViewImageData](#) 88
- [GetScorecardDependencies](#) 90
- [GetSetting](#) 93
- [GetSettings](#) 95
- [GetSettingValue](#) 97
- [GetStrategyMapReportView](#) 99
- [MaintenanceJob](#) 102
- [RenderFilter](#) 103
- [RenderReport](#) 106
- [RenderScorecard](#) 110
- [RenderScorecardAjaxControl](#) 113
- [RenderTreeMemberSelector](#) 116
- [ReportSupportsExportFormat](#) 118
- [SaveFilterValues](#) 120
- [SaveTemporaryStrategyMapReport](#) 122
- [ScorecardSupportsExportFormat](#) 125
- [SearchParameterDisplayData](#) 127
- [UpdateSettingValue](#) 129
- [ValidateSiteCollection](#) 136
- [Overview \(synopsis\)](#) 19

P

- [ParameterMessage complex type](#) 36
- [Parameters - security index](#) 155
- [ParameterSearchResultRecord complex type](#) 36
- [Preconditions](#) 20
- [Prerequisites](#) 20
- [Product behavior](#) 288

R

- [References](#) 17
 - [informative](#) 19
 - [normative](#) 18
- [Relationship to other protocols](#) 19
- [ResourceDependencies complex type](#) 37

S

- [Scorecard render example](#) 146
- [ScriptDependency complex type](#) 37
- Security
 - [implementer considerations](#) 155
 - [parameter index](#) 155
- Sequencing rules
 - [client](#) 140
 - [server](#) 50
- Server
 - [abstract data model](#) 47
 - [CreateNavigationMetadata operation](#) 55
 - [CreateReportHtml operation](#) 57
 - [DecompAutoExpand operation](#) 132

- [DecompExpand operation](#) 134
- [DecompStartAnalyze operation](#) 60
- [details](#) 47
- [ExportReport operation](#) 63
- [ExportScorecard operation](#) 65
- [GetDrillThroughPreview operation](#) 67
- [GetFilterDependencies operation](#) 70
- [GetFilterDisplayData operation](#) 72
- [GetParameterMessageData operation](#) 75
- [GetRemainingParameterDisplayData operation](#) 78
- [GetRemainingSearchResults operation](#) 80
- [GetRenderControlPreview operation](#) 83
- [GetReportDependencies operation](#) 85
- [GetReportViewImageData operation](#) 88
- [GetScorecardDependencies operation](#) 90
- [GetSetting operation](#) 93
- [GetSettings operation](#) 95
- [GetSettingValue operation](#) 97
- [GetStrategyMapReportView operation](#) 99
- [initialization](#) 50
- [local events](#) 139
- [MaintenanceJob operation](#) 102
- [message processing](#) 50
- [overview](#) 47
- [RenderFilter operation](#) 103
- [RenderReport operation](#) 106
- [RenderScorecard operation](#) 110
- [RenderScorecardAjaxControl operation](#) 113
- [RenderTreeMemberSelector operation](#) 116
- [ReportSupportsExportFormat operation](#) 118
- [SaveFilterValues operation](#) 120
- [SaveTemporaryStrategyMapReport operation](#) 122
- [ScorecardSupportsExportFormat operation](#) 125
- [SearchParameterDisplayData operation](#) 127
- [sequencing rules](#) 50
- [timer events](#) 139
- [timers](#) 50
- [UpdateSettingValue operation](#) 129
- [ValidateSiteCollection operation](#) 136
- [Setting complex type](#) 38
- [SettingType simple type](#) 45
- [Simple types](#) 42
 - [ExportFormat](#) 45
 - [SettingType](#) 45
- [Standards assignments](#) 21
- [SubstitutionPair complex type](#) 41
- Syntax
 - [messages - overview](#) 22

T

- Timer events
 - [client](#) 140
 - [server](#) 139
- Timers
 - [client](#) 140
 - [server](#) 50
- [Tracking changes](#) 289
- [Transport](#) 22
- Types
 - [complex](#) 24
 - [simple](#) 42

V

- [Vendor-extensible fields](#) 20
- [Versioning](#) 20

W

- [WebPartContext complex type](#) 41
- [WebPartContextUpdate complex type](#) 42
- [WSDL](#) 156