

# [MS-EMMCSOM]: Enterprise Managed Metadata Client-Side Object Model Protocol

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# Table of Contents

<b>1 Introduction</b>	<b>14</b>
1.1 Glossary	14
1.2 References	15
1.2.1 Normative References	15
1.2.2 Informative References	16
1.3 Overview	16
1.4 Relationship to Other Protocols	16
1.5 Prerequisites/Preconditions	16
1.6 Applicability Statement	16
1.7 Versioning and Capability Negotiation	17
1.8 Vendor-Extensible Fields	17
1.9 Standards Assignments	17
<b>2 Messages</b>	<b>18</b>
2.1 Transport	18
2.2 Message Syntax	18
<b>3 Protocol Details</b>	<b>19</b>
3.1 Server Details	19
3.1.1 Abstract Data Model	19
3.1.2 Timers	19
3.1.3 Initialization	19
3.1.4 Higher-Layer Triggered Events	19
3.1.5 Message Processing Events and Sequencing Rules	19
3.1.5.1 Microsoft.SharePoint.Client.Taxonomy.ChangedGroup	19
3.1.5.1.1 Properties	20
3.1.5.1.1.1 Scalar Properties	20
3.1.5.1.1.1.1 ChangedBy	20
3.1.5.1.1.1.2 ChangedTime	20
3.1.5.1.1.1.3 Id	20
3.1.5.1.1.1.4 ItemType	20
3.1.5.1.1.1.5 Operation	20
3.1.5.1.1.2 ObjectPath Properties	20
3.1.5.1.2 Methods	21
3.1.5.1.2.1 Scalar Methods	21
3.1.5.1.2.2 ObjectPath Methods	21
3.1.5.2 Microsoft.SharePoint.Client.Taxonomy.ChangedItem	21
3.1.5.2.1 Properties	21
3.1.5.2.1.1 Scalar Properties	21
3.1.5.2.1.1.1 ChangedBy	21
3.1.5.2.1.1.2 ChangedTime	21
3.1.5.2.1.1.3 Id	21
3.1.5.2.1.1.4 ItemType	21
3.1.5.2.1.1.5 Operation	22
3.1.5.2.1.2 ObjectPath Properties	22
3.1.5.2.2 Methods	22
3.1.5.2.2.1 Scalar Methods	22
3.1.5.2.2.2 ObjectPath Methods	22
3.1.5.3 Microsoft.SharePoint.Client.Taxonomy.ChangedItemCollection	22
3.1.5.3.1 Properties	22

3.1.5.3.1.1	Scalar Properties .....	22
3.1.5.3.1.2	ObjectPath Properties.....	22
3.1.5.3.2	Methods.....	22
3.1.5.3.2.1	Scalar Methods.....	22
3.1.5.3.2.2	ObjectPath Methods.....	22
3.1.5.4	Microsoft.SharePoint.Client.Taxonomy.ChangedItemType .....	23
3.1.5.4.1	Field Values .....	23
3.1.5.4.1.1	Unknown .....	23
3.1.5.4.1.2	Term.....	23
3.1.5.4.1.3	TermSet .....	23
3.1.5.4.1.4	Group .....	23
3.1.5.4.1.5	TermStore .....	23
3.1.5.4.1.6	Site .....	23
3.1.5.5	Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType .....	23
3.1.5.5.1	Field Values .....	24
3.1.5.5.1.1	Unknown .....	24
3.1.5.5.1.2	Add .....	24
3.1.5.5.1.3	Edit .....	24
3.1.5.5.1.4	DeleteObject.....	24
3.1.5.5.1.5	Move.....	24
3.1.5.5.1.6	Copy.....	24
3.1.5.5.1.7	PathChange .....	24
3.1.5.5.1.8	Merge .....	24
3.1.5.5.1.9	ImportObject .....	24
3.1.5.5.1.10	Restore .....	25
3.1.5.6	Microsoft.SharePoint.Client.Taxonomy.ChangedSite .....	25
3.1.5.6.1	Properties .....	25
3.1.5.6.1.1	Scalar Properties .....	25
3.1.5.6.1.1.1	ChangedBy.....	25
3.1.5.6.1.1.2	ChangedTime .....	25
3.1.5.6.1.1.3	Id .....	25
3.1.5.6.1.1.4	ItemType .....	25
3.1.5.6.1.1.5	Operation.....	26
3.1.5.6.1.1.6	SiteId .....	26
3.1.5.6.1.1.7	TermId .....	26
3.1.5.6.1.1.8	TermSetId.....	26
3.1.5.6.1.2	ObjectPath Properties.....	26
3.1.5.6.2	Methods.....	26
3.1.5.6.2.1	Scalar Methods.....	26
3.1.5.6.2.2	ObjectPath Methods.....	26
3.1.5.7	Microsoft.SharePoint.Client.Taxonomy.ChangedTerm .....	26
3.1.5.7.1	Properties .....	27
3.1.5.7.1.1	Scalar Properties .....	27
3.1.5.7.1.1.1	ChangedBy.....	27
3.1.5.7.1.1.2	ChangedTime .....	27
3.1.5.7.1.1.3	GroupId .....	27
3.1.5.7.1.1.4	Id .....	27
3.1.5.7.1.1.5	ItemType .....	27
3.1.5.7.1.1.6	Operation.....	27
3.1.5.7.1.1.7	TermSetId.....	28
3.1.5.7.1.1.8	ChangedCustomProperties .....	28
3.1.5.7.1.1.9	ChangedLocalCustomProperties .....	28
3.1.5.7.1.1.10	LcidsForChangedDescriptions .....	28

3.1.5.7.1.1.11 LcidsForChangedLabels .....	28
3.1.5.7.1.2 ObjectPath Properties.....	28
3.1.5.7.2 Methods.....	28
3.1.5.7.2.1 Scalar Methods.....	28
3.1.5.7.2.2 ObjectPath Methods.....	28
3.1.5.8 Microsoft.SharePoint.Client.Taxonomy.ChangedTermSet .....	29
3.1.5.8.1 Properties .....	29
3.1.5.8.1.1 Scalar Properties .....	29
3.1.5.8.1.1.1 ChangedBy.....	29
3.1.5.8.1.1.2 ChangedTime .....	29
3.1.5.8.1.1.3 FromGroupId.....	29
3.1.5.8.1.1.4 GroupId .....	29
3.1.5.8.1.1.5 Id .....	29
3.1.5.8.1.1.6 ItemType .....	30
3.1.5.8.1.1.7 Operation.....	30
3.1.5.8.1.2 ObjectPath Properties.....	30
3.1.5.8.2 Methods.....	30
3.1.5.8.2.1 Scalar Methods.....	30
3.1.5.8.2.2 ObjectPath Methods.....	30
3.1.5.9 Microsoft.SharePoint.Client.Taxonomy.ChangedTermStore.....	30
3.1.5.9.1 Properties .....	30
3.1.5.9.1.1 Scalar Properties .....	30
3.1.5.9.1.1.1 ChangedBy.....	30
3.1.5.9.1.1.2 ChangedLanguage.....	31
3.1.5.9.1.1.3 ChangedTime .....	31
3.1.5.9.1.1.4 Id .....	31
3.1.5.9.1.1.5 IsDefaultLanguageChanged .....	31
3.1.5.9.1.1.6 IsFullFarmRestore .....	31
3.1.5.9.1.1.7 ItemType .....	31
3.1.5.9.1.1.8 Operation.....	31
3.1.5.9.1.2 ObjectPath Properties.....	32
3.1.5.9.2 Methods.....	32
3.1.5.9.2.1 Scalar Methods.....	32
3.1.5.9.2.2 ObjectPath Methods.....	32
3.1.5.10 Microsoft.SharePoint.Client.Taxonomy.Label.....	32
3.1.5.10.1 Properties.....	32
3.1.5.10.1.1 Scalar Properties .....	32
3.1.5.10.1.1.1 IsDefaultForLanguage .....	32
3.1.5.10.1.1.2 Language .....	32
3.1.5.10.1.1.3 Value .....	33
3.1.5.10.1.2 ObjectPath Properties.....	33
3.1.5.10.1.2.1 Term .....	33
3.1.5.10.2 Methods.....	33
3.1.5.10.2.1 Scalar Methods.....	33
3.1.5.10.2.1.1 DeleteObject.....	33
3.1.5.10.2.1.2 SetAsDefaultForLanguage.....	34
3.1.5.10.2.2 ObjectPath Methods .....	34
3.1.5.11 Microsoft.SharePoint.Client.Taxonomy.LabelCollection .....	34
3.1.5.11.1 Properties.....	34
3.1.5.11.1.1 Scalar Properties .....	34
3.1.5.11.1.2 ObjectPath Properties.....	35
3.1.5.11.2 Methods .....	35
3.1.5.11.2.1 Scalar Methods.....	35

3.1.5.11.2.2	ObjectPath Methods .....	35
3.1.5.11.2.2.1	GetByValue .....	35
3.1.5.12	Microsoft.SharePoint.Client.Taxonomy.StringMatchOption .....	35
3.1.5.12.1	Field Values .....	35
3.1.5.12.1.1	StartsWith .....	35
3.1.5.12.1.2	ExactMatch .....	35
3.1.5.13	Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValue .....	35
3.1.5.13.1	Properties.....	36
3.1.5.13.1.1	Scalar Properties .....	36
3.1.5.13.1.1.1	Label .....	36
3.1.5.13.1.1.2	TermGuid .....	36
3.1.5.13.1.1.3	WssId .....	36
3.1.5.13.1.2	ObjectPath Properties.....	36
3.1.5.14	Microsoft.SharePoint.Client.Taxonomy.TaxonomyItem .....	36
3.1.5.14.1	Properties.....	37
3.1.5.14.1.1	Scalar Properties .....	37
3.1.5.14.1.1.1	CreatedDate .....	37
3.1.5.14.1.1.2	Id.....	37
3.1.5.14.1.1.3	LastModifiedDate.....	37
3.1.5.14.1.1.4	Name.....	37
3.1.5.14.1.2	ObjectPath Properties.....	37
3.1.5.14.1.2.1	TermStore .....	37
3.1.5.14.2	Methods .....	38
3.1.5.14.2.1	Scalar Methods.....	38
3.1.5.14.2.1.1	DeleteObject.....	38
3.1.5.14.2.1.2	NormalizeName.....	38
3.1.5.14.2.2	ObjectPath Methods .....	38
3.1.5.15	Microsoft.SharePoint.Client.Taxonomy.TaxonomySession .....	38
3.1.5.15.1	Properties.....	38
3.1.5.15.1.1	Scalar Properties .....	38
3.1.5.15.1.1.1	OfflineTermStoreNames .....	38
3.1.5.15.1.2	ObjectPath Properties.....	39
3.1.5.15.1.2.1	TermStores .....	39
3.1.5.15.2	Methods .....	39
3.1.5.15.2.1	Scalar Methods.....	39
3.1.5.15.2.1.1	UpdateCache .....	39
3.1.5.15.2.2	ObjectPath Methods .....	39
3.1.5.15.2.2.1	GetTerm .....	39
3.1.5.15.2.2.2	GetTerms .....	39
3.1.5.15.2.2.3	GetTermsWithCustomProperty .....	41
3.1.5.15.2.2.4	GetTermsInDefaultLanguage.....	43
3.1.5.15.2.2.5	GetTermsInWorkingLocale.....	44
3.1.5.15.2.2.6	GetDefaultKeywordsTermStore .....	44
3.1.5.15.2.2.7	GetDefaultSiteCollectionTermStore .....	45
3.1.5.15.2.2.8	GetTaxonomySession.....	45
3.1.5.15.2.2.9	GetTermsById.....	45
3.1.5.15.2.2.10	GetTermSetsByName .....	45
3.1.5.15.2.2.11	GetTermSetsByTermLabel .....	46
3.1.5.16	Microsoft.SharePoint.Client.Taxonomy.Term.....	46
3.1.5.16.1	Properties.....	47
3.1.5.16.1.1	Scalar Properties .....	47
3.1.5.16.1.1.1	CreatedDate .....	47
3.1.5.16.1.1.2	CustomProperties .....	47

3.1.5.16.1.1.3	CustomSortOrder	47
3.1.5.16.1.1.4	Id	47
3.1.5.16.1.1.5	IsAvailableForTagging	48
3.1.5.16.1.1.6	IsDeprecated	48
3.1.5.16.1.1.7	IsKeyword	48
3.1.5.16.1.1.8	IsReused	48
3.1.5.16.1.1.9	IsRoot	49
3.1.5.16.1.1.10	IsSourceTerm	49
3.1.5.16.1.1.11	LastModifiedDate	49
3.1.5.16.1.1.12	Name	49
3.1.5.16.1.1.13	Owner	50
3.1.5.16.1.1.14	TermsCount	50
3.1.5.16.1.1.15	IsPinned	50
3.1.5.16.1.1.16	LocalCustomProperties	51
3.1.5.16.1.1.17	MergedTermIds	51
3.1.5.16.1.1.18	Description	51
3.1.5.16.1.1.19	PathOfTerm	51
3.1.5.16.1.1.20	IsPinnedRoot	51
3.1.5.16.1.2	ObjectPath Properties	51
3.1.5.16.1.2.1	Labels	51
3.1.5.16.1.2.2	Parent	52
3.1.5.16.1.2.3	ReusedTerms	52
3.1.5.16.1.2.4	SourceTerm	52
3.1.5.16.1.2.5	Terms	53
3.1.5.16.1.2.6	TermSet	53
3.1.5.16.1.2.7	TermSets	53
3.1.5.16.1.2.8	TermStore	53
3.1.5.16.1.2.9	PinSourceTermSet	54
3.1.5.16.2	Methods	54
3.1.5.16.2.1	Scalar Methods	54
3.1.5.16.2.1.1	DeleteCustomProperty	54
3.1.5.16.2.1.2	DeleteObject	54
3.1.5.16.2.1.3	Deprecate	55
3.1.5.16.2.1.4	GetDefaultLabel	55
3.1.5.16.2.1.5	GetDescription	56
3.1.5.16.2.1.6	GetPath	56
3.1.5.16.2.1.7	Move	56
3.1.5.16.2.1.8	ReassignSourceTerm	57
3.1.5.16.2.1.9	SetCustomProperty	58
3.1.5.16.2.1.10	SetDescription	59
3.1.5.16.2.1.11	DeleteAllCustomProperties	59
3.1.5.16.2.1.12	DeleteAllLocalCustomProperties	60
3.1.5.16.2.1.13	DeleteLocalCustomProperty	60
3.1.5.16.2.1.14	GetIsDescendantOf	60
3.1.5.16.2.1.15	NormalizeName	60
3.1.5.16.2.1.16	SetLocalCustomProperty	61
3.1.5.16.2.2	ObjectPath Methods	61
3.1.5.16.2.2.1	Copy	61
3.1.5.16.2.2.2	CreateLabel	61
3.1.5.16.2.2.3	CreateTerm	62
3.1.5.16.2.2.4	GetAllLabels	63
3.1.5.16.2.2.5	GetTerms	64
3.1.5.16.2.2.6	Merge	65

3.1.5.16.2.2.7	ReuseTerm .....	66
3.1.5.16.2.2.8	ReuseTermWithPinning .....	67
3.1.5.17	Microsoft.SharePoint.Client.Taxonomy.TermCollection .....	67
3.1.5.17.1	Properties .....	67
3.1.5.17.1.1	Scalar Properties .....	67
3.1.5.17.1.2	ObjectPath Properties .....	67
3.1.5.17.2	Methods .....	67
3.1.5.17.2.1	Scalar Methods .....	67
3.1.5.17.2.2	ObjectPath Methods .....	67
3.1.5.17.2.2.1	GetById .....	67
3.1.5.17.2.2.2	GetByName .....	68
3.1.5.18	Microsoft.SharePoint.Client.Taxonomy.TermGroup .....	68
3.1.5.18.1	Properties .....	68
3.1.5.18.1.1	Scalar Properties .....	68
3.1.5.18.1.1.1	CreatedDate .....	68
3.1.5.18.1.1.2	Description .....	68
3.1.5.18.1.1.3	Id .....	68
3.1.5.18.1.1.4	IsSiteCollectionGroup .....	69
3.1.5.18.1.1.5	IsSystemGroup .....	69
3.1.5.18.1.1.6	LastModifiedDate .....	69
3.1.5.18.1.1.7	Name .....	69
3.1.5.18.1.2	ObjectPath Properties .....	69
3.1.5.18.1.2.1	TermSets .....	69
3.1.5.18.1.2.2	TermStore .....	69
3.1.5.18.2	Methods .....	70
3.1.5.18.2.1	Scalar Methods .....	70
3.1.5.18.2.1.1	DeleteObject .....	70
3.1.5.18.2.1.2	ExportObject .....	70
3.1.5.18.2.1.3	NormalizeName .....	70
3.1.5.18.2.2	ObjectPath Methods .....	70
3.1.5.18.2.2.1	CreateTermSet .....	70
3.1.5.18.2.2.2	GetChanges .....	71
3.1.5.18.2.2.3	GetTermSetsWithCustomProperty .....	71
3.1.5.19	Microsoft.SharePoint.Client.Taxonomy.TermGroupCollection .....	73
3.1.5.19.1	Properties .....	73
3.1.5.19.1.1	Scalar Properties .....	73
3.1.5.19.1.2	ObjectPath Properties .....	73
3.1.5.19.2	Methods .....	73
3.1.5.19.2.1	Scalar Methods .....	73
3.1.5.19.2.2	ObjectPath Methods .....	73
3.1.5.19.2.2.1	GetById .....	73
3.1.5.19.2.2.2	GetByName .....	73
3.1.5.20	Microsoft.SharePoint.Client.Taxonomy.TermSet .....	73
3.1.5.20.1	Properties .....	74
3.1.5.20.1.1	Scalar Properties .....	74
3.1.5.20.1.1.1	Contact .....	74
3.1.5.20.1.1.2	CreatedDate .....	74
3.1.5.20.1.1.3	CustomProperties .....	74
3.1.5.20.1.1.4	CustomSortOrder .....	75
3.1.5.20.1.1.5	Description .....	75
3.1.5.20.1.1.6	Id .....	76
3.1.5.20.1.1.7	IsAvailableForTagging .....	76
3.1.5.20.1.1.8	IsOpenForTermCreation .....	76



3.1.5.20.1.1.9	LastModifiedDate.....	77
3.1.5.20.1.1.10	Name.....	77
3.1.5.20.1.1.11	Owner.....	78
3.1.5.20.1.1.12	Stakeholders.....	78
3.1.5.20.1.2	ObjectPath Properties.....	78
3.1.5.20.1.2.1	Group.....	78
3.1.5.20.1.2.2	Terms.....	79
3.1.5.20.1.2.3	TermStore.....	79
3.1.5.20.2	Methods.....	79
3.1.5.20.2.1	Scalar Methods.....	79
3.1.5.20.2.1.1	DeleteCustomProperty.....	79
3.1.5.20.2.1.2	DeleteObject.....	79
3.1.5.20.2.1.3	ExportObject.....	80
3.1.5.20.2.1.4	Move.....	80
3.1.5.20.2.1.5	SetCustomProperty.....	81
3.1.5.20.2.1.6	DeleteAllCustomProperties.....	81
3.1.5.20.2.1.7	NormalizeName.....	81
3.1.5.20.2.1.8	AddStakeholder.....	81
3.1.5.20.2.1.9	DeleteStakeholder.....	82
3.1.5.20.2.2	ObjectPath Methods.....	82
3.1.5.20.2.2.1	Copy.....	82
3.1.5.20.2.2.2	CreateTerm.....	83
3.1.5.20.2.2.3	GetAllTerms.....	84
3.1.5.20.2.2.4	GetChanges.....	84
3.1.5.20.2.2.5	GetTerm.....	85
3.1.5.20.2.2.6	GetTerms.....	85
3.1.5.20.2.2.7	GetTermsWithCustomProperty.....	86
3.1.5.20.2.2.8	ReuseTerm.....	88
3.1.5.20.2.2.9	ReuseTermWithPinning.....	89
3.1.5.21	Microsoft.SharePoint.Client.Taxonomy.TermSetCollection.....	89
3.1.5.21.1	Properties.....	89
3.1.5.21.1.1	Scalar Properties.....	89
3.1.5.21.1.2	ObjectPath Properties.....	90
3.1.5.21.2	Methods.....	90
3.1.5.21.2.1	Scalar Methods.....	90
3.1.5.21.2.2	ObjectPath Methods.....	90
3.1.5.21.2.2.1	GetById.....	90
3.1.5.21.2.2.2	GetByName.....	90
3.1.5.22	Microsoft.SharePoint.Client.Taxonomy.TermSetItem.....	90
3.1.5.22.1	Properties.....	91
3.1.5.22.1.1	Scalar Properties.....	91
3.1.5.22.1.1.1	CreatedDate.....	91
3.1.5.22.1.1.2	CustomProperties.....	91
3.1.5.22.1.1.3	CustomSortOrder.....	91
3.1.5.22.1.1.4	Id.....	91
3.1.5.22.1.1.5	IsAvailableForTagging.....	91
3.1.5.22.1.1.6	LastModifiedDate.....	91
3.1.5.22.1.1.7	Name.....	92
3.1.5.22.1.1.8	Owner.....	92
3.1.5.22.1.2	ObjectPath Properties.....	92
3.1.5.22.1.2.1	Terms.....	92
3.1.5.22.1.2.2	TermStore.....	92
3.1.5.22.2	Methods.....	92

3.1.5.22.2.1	Scalar Methods	92
3.1.5.22.2.1.1	DeleteCustomProperty	92
3.1.5.22.2.1.2	DeleteObject	93
3.1.5.22.2.1.3	SetCustomProperty	93
3.1.5.22.2.1.4	DeleteAllCustomProperties	93
3.1.5.22.2.1.5	NormalizeName	93
3.1.5.22.2.2	ObjectPath Methods	93
3.1.5.22.2.2.1	CreateTerm	93
3.1.5.22.2.2.2	ReuseTerm	94
3.1.5.22.2.2.3	GetTerms	95
3.1.5.22.2.2.4	ReuseTermWithPinning	96
3.1.5.23	Microsoft.SharePoint.Client.Taxonomy.TermStore	96
3.1.5.23.1	Properties	97
3.1.5.23.1.1	Scalar Properties	97
3.1.5.23.1.1.1	DefaultLanguage	97
3.1.5.23.1.1.2	Id	97
3.1.5.23.1.1.3	IsOnline	97
3.1.5.23.1.1.4	Languages	97
3.1.5.23.1.1.5	Name	98
3.1.5.23.1.1.6	WorkingLanguage	98
3.1.5.23.1.1.7	ContentTypePublishingHub	98
3.1.5.23.1.2	ObjectPath Properties	98
3.1.5.23.1.2.1	Groups	98
3.1.5.23.1.2.2	KeywordsTermSet	99
3.1.5.23.1.2.3	OrphanedTermsTermSet	99
3.1.5.23.1.2.4	SystemGroup	99
3.1.5.23.1.2.5	HashTagsTermSet	99
3.1.5.23.2	Methods	99
3.1.5.23.2.1	Scalar Methods	99
3.1.5.23.2.1.1	CommitAll	99
3.1.5.23.2.1.2	AddLanguage	100
3.1.5.23.2.1.3	DeleteLanguage	100
3.1.5.23.2.1.4	RollbackAll	101
3.1.5.23.2.1.5	UpdateCache	101
3.1.5.23.2.1.6	UpdateUsedTermsOnSite	101
3.1.5.23.2.2	ObjectPath Methods	102
3.1.5.23.2.2.1	CreateGroup	102
3.1.5.23.2.2.2	GetChanges	102
3.1.5.23.2.2.3	GetGroup	103
3.1.5.23.2.2.4	GetTerm	103
3.1.5.23.2.2.5	GetTerms	103
3.1.5.23.2.2.6	GetTermSet	105
3.1.5.23.2.2.7	GetTermsWithCustomProperty	105
3.1.5.23.2.2.8	GetSiteCollectionGroup	107
3.1.5.23.2.2.9	GetTermInTermSet	108
3.1.5.23.2.2.10	GetTermsById	108
3.1.5.23.2.2.11	GetTermSetsByName	109
3.1.5.23.2.2.12	GetTermSetsByTermLabel	109
3.1.5.23.2.2.13	GetTermSetsWithCustomProperty	110
3.1.5.24	Microsoft.SharePoint.Client.Taxonomy.TermStoreCollection	112
3.1.5.24.1	Properties	112
3.1.5.24.1.1	Scalar Properties	112
3.1.5.24.1.2	ObjectPath Properties	112

3.1.5.24.2	Methods	112
3.1.5.24.2.1	Scalar Methods	112
3.1.5.24.2.2	ObjectPath Methods	112
3.1.5.24.2.2.1	GetById	112
3.1.5.24.2.2.2	GetByName	112
3.1.5.25	Microsoft.SharePoint.Client.Taxonomy.MobileTaxonomyField	113
3.1.5.25.1	Properties	113
3.1.5.25.1.1	Scalar Properties	113
3.1.5.25.1.1.1	ReadOnly	113
3.1.5.25.1.2	ObjectPath Properties	113
3.1.5.25.2	Methods	113
3.1.5.25.2.1	Scalar Methods	113
3.1.5.25.2.2	ObjectPath Methods	113
3.1.5.26	Microsoft.SharePoint.Client.Taxonomy.ChangeInformation	113
3.1.5.26.1	Properties	114
3.1.5.26.1.1	Scalar Properties	114
3.1.5.26.1.1.1	ItemType	114
3.1.5.26.1.1.2	OperationType	114
3.1.5.26.1.1.3	StartTime	114
3.1.5.26.1.1.4	WithinTimeSpan	114
3.1.5.26.1.2	ObjectPath Properties	114
3.1.5.26.2	Methods	114
3.1.5.26.2.1	Scalar Methods	114
3.1.5.26.2.2	ObjectPath Methods	114
3.1.5.26.2.2.1	CSOM Constructor	114
3.1.5.27	Microsoft.SharePoint.Client.Taxonomy.TaxonomyField	115
3.1.5.27.1	Properties	115
3.1.5.27.1.1	Scalar Properties	115
3.1.5.27.1.1.1	AllowMultipleValues	115
3.1.5.27.1.1.2	AnchorId	115
3.1.5.27.1.1.3	CanBeDeleted	115
3.1.5.27.1.1.4	CreateValuesInEditForm	115
3.1.5.27.1.1.5	DefaultValue	116
3.1.5.27.1.1.6	Description	116
3.1.5.27.1.1.7	Direction	116
3.1.5.27.1.1.8	EnforceUniqueValues	117
3.1.5.27.1.1.9	FieldTypeKind	117
3.1.5.27.1.1.10	Filterable	117
3.1.5.27.1.1.11	FromBaseType	118
3.1.5.27.1.1.12	Group	118
3.1.5.27.1.1.13	Hidden	118
3.1.5.27.1.1.14	Id	118
3.1.5.27.1.1.15	Indexed	118
3.1.5.27.1.1.16	InternalName	119
3.1.5.27.1.1.17	IsAnchorValid	119
3.1.5.27.1.1.18	IsKeyword	119
3.1.5.27.1.1.19	IsPathRendered	119
3.1.5.27.1.1.20	IsRelationship	120
3.1.5.27.1.1.21	IsTermSetValid	120
3.1.5.27.1.1.22	LookupField	120
3.1.5.27.1.1.23	LookupList	121
3.1.5.27.1.1.24	LookupWebId	121
3.1.5.27.1.1.25	Open	121

3.1.5.27.1.1.26	PrimaryFieldId	122
3.1.5.27.1.1.27	ReadOnlyField	122
3.1.5.27.1.1.28	RelationshipDeleteBehavior	122
3.1.5.27.1.1.29	Required	123
3.1.5.27.1.1.30	SchemaXml	123
3.1.5.27.1.1.31	Scope	123
3.1.5.27.1.1.32	Sealed	124
3.1.5.27.1.1.33	Sortable	124
3.1.5.27.1.1.34	SspId	124
3.1.5.27.1.1.35	StaticName	124
3.1.5.27.1.1.36	TargetTemplate	124
3.1.5.27.1.1.37	TermSetId	125
3.1.5.27.1.1.38	TextField	125
3.1.5.27.1.1.39	Title	125
3.1.5.27.1.1.40	TypeAsString	125
3.1.5.27.1.1.41	TypeDisplayName	125
3.1.5.27.1.1.42	TypeShortDescription	126
3.1.5.27.1.1.43	UserCreated	126
3.1.5.27.1.1.44	ValidationFormula	126
3.1.5.27.1.1.45	ValidationMessage	126
3.1.5.27.1.1.46	EntityPropertyName	126
3.1.5.27.1.1.47	JSLink	127
3.1.5.27.1.1.48	SchemaXmlWithResourceTokens	127
3.1.5.27.1.2	ObjectPath Properties	127
3.1.5.27.1.2.1	DefaultValueTyped	127
3.1.5.27.2	Methods	127
3.1.5.27.2.1	Scalar Methods	127
3.1.5.27.2.1.1	DeleteObject	127
3.1.5.27.2.1.2	GetFieldValueAsHtml	128
3.1.5.27.2.1.3	GetFieldValueAsText	128
3.1.5.27.2.1.4	GetValidatedString	129
3.1.5.27.2.1.5	Update	129
3.1.5.27.2.1.6	UpdateAndPushChanges	129
3.1.5.27.2.1.7	ValidateSetValue	130
3.1.5.27.2.1.8	GetFieldValueAsTaxonomyFieldValue	130
3.1.5.27.2.1.9	SetFieldValueByCollection	131
3.1.5.27.2.1.10	SetFieldValueByTerm	131
3.1.5.27.2.1.11	SetFieldValueByTermCollection	132
3.1.5.27.2.1.12	SetFieldValueByValue	133
3.1.5.27.2.1.13	SetFieldValueByValueCollection	133
3.1.5.27.2.1.14	SetShowInDisplayForm	134
3.1.5.27.2.1.15	SetShowInEditForm	134
3.1.5.27.2.1.16	SetShowInNewForm	134
3.1.5.27.2.2	ObjectPath Methods	134
3.1.5.27.2.2.1	GetFieldValueAsTaxonomyFieldValueCollection	134
3.1.5.28	Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValueCollection	135
3.1.5.28.1	Properties	135
3.1.5.28.1.1	Scalar Properties	135
3.1.5.28.1.2	ObjectPath Properties	135
3.1.5.28.2	Methods	136
3.1.5.28.2.1	Scalar Methods	136
3.1.5.28.2.1.1	PopulateFromLabelGuidPairs	136
3.1.5.28.2.2	ObjectPath Methods	136

3.1.5.28.2.2.1 CSOM Constructor .....	136
3.1.5.29 Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation .....	136
3.1.5.29.1 Properties .....	137
3.1.5.29.1.1 Scalar Properties .....	137
3.1.5.29.1.1.1 CustomPropertyName .....	137
3.1.5.29.1.1.2 CustomPropertyValue .....	137
3.1.5.29.1.1.3 ResultCollectionSize .....	137
3.1.5.29.1.1.4 StringMatchOption .....	137
3.1.5.29.1.1.5 TrimUnavailable .....	137
3.1.5.29.1.2 ObjectPath Properties .....	138
3.1.5.29.2 Methods .....	138
3.1.5.29.2.1 Scalar Methods .....	138
3.1.5.29.2.2 ObjectPath Methods .....	138
3.1.5.29.2.2.1 CSOM Constructor .....	138
3.1.5.30 Microsoft.SharePoint.Client.Taxonomy.LabelMatchInformation .....	138
3.1.5.30.1 Properties .....	138
3.1.5.30.1.1 Scalar Properties .....	138
3.1.5.30.1.1.1 DefaultLabelOnly .....	138
3.1.5.30.1.1.2 ExcludeKeyword .....	138
3.1.5.30.1.1.3 Lcid .....	139
3.1.5.30.1.1.4 ResultCollectionSize .....	139
3.1.5.30.1.1.5 StringMatchOption .....	139
3.1.5.30.1.1.6 TermLabel .....	139
3.1.5.30.1.1.7 TrimDeprecated .....	139
3.1.5.30.1.1.8 TrimUnavailable .....	139
3.1.5.30.1.2 ObjectPath Properties .....	140
3.1.5.30.2 Methods .....	140
3.1.5.30.2.1 Scalar Methods .....	140
3.1.5.30.2.2 ObjectPath Methods .....	140
3.1.5.30.2.2.1 CSOM Constructor .....	140
3.1.6 Timer Events .....	140
3.1.7 Other Local Events .....	140
<b>4 Protocol Examples .....</b>	<b>141</b>
4.1 Create a New Group and Term Set .....	141
4.2 Retrieve a Term .....	145
4.3 Add a New Term .....	147
4.4 Delete an Existing Term .....	148
4.5 Add a New Label .....	150
<b>5 Security .....</b>	<b>152</b>
5.1 Security Considerations for Implementers .....	152
5.2 Index of Security Parameters .....	152
<b>6 Appendix A: Product Behavior .....</b>	<b>153</b>
<b>7 Change Tracking .....</b>	<b>154</b>
<b>8 Index .....</b>	<b>156</b>

# 1 Introduction

The Enterprise Managed Metadata Client-Side Object Model Protocol provides types, methods, and properties to enable a protocol client to create, read, update, and delete enterprise metadata on a collaboration 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 [\[MS-GLOS\]](#):

**Coordinated Universal Time (UTC)**  
**GUID**  
**Hypertext Transfer Protocol (HTTP)**  
**Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**  
**language code identifier (LCID)**

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

**Boolean**  
**contact**  
**content type**  
**CSOM array**  
**CSOM Boolean**  
**CSOM DateTime**  
**CSOM dictionary**  
**CSOM GUID**  
**CSOM Int32**  
**CSOM Object**  
**CSOM String**  
**CSOM TimeSpan**  
**default scalar property set**  
**deprecated term**  
**display form**  
**edit form**  
**field**  
**hierarchy**  
**Hypertext Markup Language (HTML)**  
**JavaScript Object Notation (JSON)**  
**keyword**  
**list item**  
**lookup field**  
**mobile device**  
**new form**  
**orphaned term**  
**resource token**  
**site**  
**site collection**  
**site collection group**  
**source term**  
**static CSOM method**

**term**  
**term label**  
**term set**  
**term store**  
**Uniform Resource Identifier (URI)**  
**Uniform Resource Locator (URL)**  
**web application**  
**website**  
**XML schema**

The following terms are specific to this document:

**global group:** A public group that is visible to everyone and not limited to a specific site collection.

**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](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[ECMA-262] ECMA, "ECMAScript Language Specification", Edition 5.1, ECMA-262, June 2011, <http://www.ecma-international.org/publications/standards/Ecma-262.htm>

[MS-CSOM] Microsoft Corporation, "[SharePoint Client Query Protocol](#)".

[MS-CSOMSPT] Microsoft Corporation, "[SharePoint Client-Side Object Model Protocol](#)".

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

[MS-WSSCAML] Microsoft Corporation, "[Collaborative Application Markup Language \(CAML\) Structure](#)".

[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>

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

## 1.2.2 Informative References

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

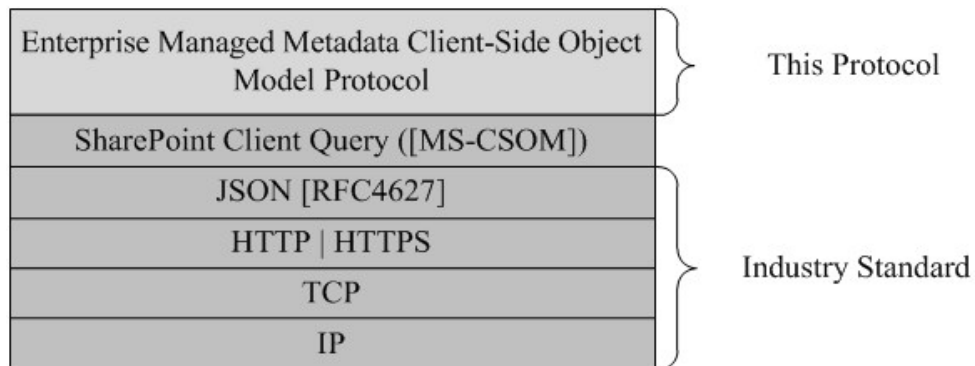
[MS-OFGLGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

## 1.3 Overview

This protocol defines types, methods, and properties that a protocol client uses to access enterprise managed metadata in a **term store** on a protocol server. Some typical scenarios in which a protocol client could use this protocol are to retrieve **terms**, add terms, add **term labels**, or remove terms.

## 1.4 Relationship to Other Protocols

The Enterprise Managed Metadata Client-Side Object Model Protocol is a set of types, properties, and methods that can be accessed by using the SharePoint Client Query protocol as described in [\[MS-CSOM\]](#). This protocol uses **JavaScript Object Notation (JSON)** as described in [\[RFC4627\]](#) to format data returned to a protocol client. This protocol also uses **HTTP**, as described in [\[RFC2616\]](#), and **HTTPS**, as described in [\[RFC2818\]](#). The dependencies for this protocol are shown in the following layering diagram.



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

## 1.5 Prerequisites/Preconditions

This protocol operates against a term store on a **site (2)** that is identified by a **Uniform Resource Locator (URL)** that is known by protocol clients. This protocol assumes that authentication has been performed by underlying protocols. This protocol specifies properties, methods, and types used to access a store of structured metadata as described in [\[MS-EMMWCF\]](#).

## 1.6 Applicability Statement

This protocol can be used by a protocol client to manage enterprise metadata on a protocol server. This protocol is optimized to enable a protocol client to specify the exact set of data and operations to perform in a single batch, making it suitable for situations where the connection speed between the protocol client and the protocol server can be slow. This protocol is not suitable and is inefficient if both the protocol client and protocol server are on the same computer. In this case, the client can use an API that does not require communication over a network.



## 1.7 Versioning and Capability Negotiation

This protocol operates in the context of the authenticated user that made a request to the service, and it runs in the context of a particular site (2). Localization-specific properties, such as the **label** of a **term**, are returned by using the default language of the term store, if available. Certain properties can be read or written for specific locales, and are listed in the document.

## 1.8 Vendor-Extensible Fields

A protocol server can provide additional properties and methods beyond those specified in this document to provide extended collaboration server functionality; however, because no means are provided for a protocol client to discover that extended functionality, the functionality will be taken advantage of only by protocol clients that have built-in knowledge of the extensions.

A protocol client is expected to be tolerant of the situation where certain methods and properties specified in this specification are not available, because either the protocol server does not support the functionality or the administrator has disabled certain functionalities.

## 1.9 Standards Assignments

None.

## 2 Messages

### 2.1 Transport

Messages are transported by using the SharePoint Client Query Protocol, as specified in [\[MS-CSOM\]](#).

### 2.2 Message Syntax

None.

## 3 Protocol Details

### 3.1 Server Details

#### 3.1.1 Abstract Data Model

This protocol deals with various types that are logically derived from a parent type. The following table lists the relation between such types.

Parent Type	Derived Type(s)
<b>Microsoft.SharePoint.Client.Taxonomy.ChangeItem</b> (section <a href="#">3.1.5.2</a> )	<b>Microsoft.SharePoint.Client.Taxonomy.ChangedGroup</b> (section <a href="#">3.1.5.1</a> ) <b>Microsoft.SharePoint.Client.Taxonomy.ChangedSite</b> (section <a href="#">3.1.5.6</a> ) <b>Microsoft.SharePoint.Client.Taxonomy.ChangedTerm</b> (section <a href="#">3.1.5.7</a> ) <b>Microsoft.SharePoint.Client.Taxonomy.ChangedTermSet</b> (section <a href="#">3.1.5.8</a> ) <b>Microsoft.SharePoint.Client.Taxonomy.ChangedTermStore</b> (section <a href="#">3.1.5.9</a> )
<b>Microsoft.SharePoint.Client.Taxonomy.TermSetItem</b> (section <a href="#">3.1.5.22</a> )	<b>Microsoft.SharePoint.Client.Taxonomy.Term</b> (section <a href="#">3.1.5.16</a> ) <b>Microsoft.SharePoint.Client.Taxonomy.TermSet</b> (section <a href="#">3.1.5.20</a> )
<b>Microsoft.SharePoint.Client.Taxonomy.TaxonomyItem</b> (section <a href="#">3.1.5.14</a> )	<b>Microsoft.SharePoint.Client.Taxonomy.TermGroup</b> (section <a href="#">3.1.5.18</a> ) <b>Microsoft.SharePoint.Client.Taxonomy.TermSetItem</b> (section <a href="#">3.1.5.22</a> )

#### 3.1.2 Timers

None.

#### 3.1.3 Initialization

None.

#### 3.1.4 Higher-Layer Triggered Events

None.

#### 3.1.5 Message Processing Events and Sequencing Rules

##### 3.1.5.1 Microsoft.SharePoint.Client.Taxonomy.ChangedGroup

**TypeId:** {D294C9CA-4667-44E4-8C6E-3EB510BAA358}

**ShortName:** SP.Taxonomy.ChangedGroup

Represents a change to a **TermGroup** (section [3.1.5.18](#)) object.

**Remarks:**

The **ChangedGroup** object derives from the **ChangedItem** (section [3.1.5.2](#)) base object.

**3.1.5.1.1 Properties****3.1.5.1.1.1 Scalar Properties****3.1.5.1.1.1.1 ChangedBy**

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedBy**, as specified in section [3.1.5.2.1.1.1](#).

**3.1.5.1.1.1.2 ChangedTime**

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedTime**, as specified in section [3.1.5.2.1.1.2](#).

**3.1.5.1.1.1.3 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Id** section [3.1.5.2.1.1.3](#).

**3.1.5.1.1.1.4 ItemType**

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ItemType** section [3.1.5.2.1.1.4](#).

**3.1.5.1.1.1.5 Operation**

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Operation** section [3.1.5.2.1.1.5](#).

**3.1.5.1.1.2 ObjectPath Properties**

None.

### 3.1.5.1.2 Methods

#### 3.1.5.1.2.1 Scalar Methods

None.

#### 3.1.5.1.2.2 ObjectPath Methods

None.

### 3.1.5.2 Microsoft.SharePoint.Client.Taxonomy.ChangedItem

**TypeId:** {78C8F4D6-FC4F-46D4-8D00-7BB050DD7059}

**ShortName:** SP.Taxonomy.ChangedItem

Represents one change to an item in the **TermStore** (section [3.1.5.23](#)).

#### 3.1.5.2.1 Properties

##### 3.1.5.2.1.1 Scalar Properties

###### 3.1.5.2.1.1.1 ChangedBy

**Type:** CSOM String

**Accessibility:** Read Only

Reserved for future use.

###### 3.1.5.2.1.1.2 ChangedTime

**Type:** CSOM DateTime

**Accessibility:** Read Only

Gets the **Coordinated Universal Time (UTC)** time when the change happened.

###### 3.1.5.2.1.1.3 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the changed object.

**Remarks:**

This property does not have a value when the change is global. For example, when the default language is changed in a **TermStore** (section [3.1.5.23](#)) object, or when the changed object does not have an identifier, this property does not have a value.

###### 3.1.5.2.1.1.4 ItemType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read Only

Gets the type, as specified by **ChangedItemType** (section [3.1.5.4](#)), of the changed object.

### 3.1.5.2.1.1.5 Operation

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read Only

Gets the type of change that occurred as specified by **ChangedOperationType** (section [3.1.5.5](#)); for example, add, edit, or delete.

### 3.1.5.2.1.2 ObjectPath Properties

None.

### 3.1.5.2.2 Methods

#### 3.1.5.2.2.1 Scalar Methods

None.

#### 3.1.5.2.2.2 ObjectPath Methods

None.

### 3.1.5.3 Microsoft.SharePoint.Client.Taxonomy.ChangedItemCollection

**TypeId:** {2D685E53-7F47-4A60-82F6-22C92177BE4E}

**ShortName:** SP.Taxonomy.ChangedItemCollection

A collection of **ChangedItem** (section [3.1.5.2](#)) objects.

#### 3.1.5.3.1 Properties

##### 3.1.5.3.1.1 Scalar Properties

None.

##### 3.1.5.3.1.2 ObjectPath Properties

None.

#### 3.1.5.3.2 Methods

##### 3.1.5.3.2.1 Scalar Methods

None.

##### 3.1.5.3.2.2 ObjectPath Methods

None.

### 3.1.5.4 Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**ShortName:** SP.Taxonomy.ChangedItemType

**Flag:** false

Represents the type of changed object.

#### 3.1.5.4.1 Field Values

##### 3.1.5.4.1.1 Unknown

**Value:** 0

The change is not valid.

##### 3.1.5.4.1.2 Term

**Value:** 1

Represents a **Term** (section [3.1.5.16](#)) object.

##### 3.1.5.4.1.3 TermSet

**Value:** 2

Represents a **TermSet** (section [3.1.5.20](#)) object.

##### 3.1.5.4.1.4 Group

**Value:** 3

Represents a **TermGroup** (section [3.1.5.18](#)) object.

##### 3.1.5.4.1.5 TermStore

**Value:** 4

Represents a **TermStore** (section [3.1.5.23](#)) object. The change indicated is a global change, such as the set of available languages that have been changed.

##### 3.1.5.4.1.6 Site

**Value:** 5

Represents a reused term on a site (2).

### 3.1.5.5 Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**ShortName:** SP.Taxonomy.ChangedOperationType

**Flag:** false

Indicates the type of operation that caused a change.

### **3.1.5.5.1 Field Values**

#### **3.1.5.5.1.1 Unknown**

**Value:** 0

Represents an invalid operation.

#### **3.1.5.5.1.2 Add**

**Value:** 1

Represents the add operation.

#### **3.1.5.5.1.3 Edit**

**Value:** 2

Represents the edit operation.

#### **3.1.5.5.1.4 DeleteObject**

**Value:** 3

Represents the delete operation.

#### **3.1.5.5.1.5 Move**

**Value:** 4

Represents the move operation.

#### **3.1.5.5.1.6 Copy**

**Value:** 5

Represents the copy operation.

#### **3.1.5.5.1.7 PathChange**

**Value:** 6

Represents the path change operation.

#### **3.1.5.5.1.8 Merge**

**Value:** 7

Represents the merge operation.

#### **3.1.5.5.1.9 ImportObject**

**Value:** 8

Represents the import operation.



### 3.1.5.5.1.10 Restore

**Value:** 9

Represents the restore operation.

### 3.1.5.6 Microsoft.SharePoint.Client.Taxonomy.ChangedSite

**TypeId:** {FAB02250-F233-461F-812E-EE265E246459}

**ShortName:** SP.Taxonomy.ChangedSite

Represents an event that changed something in the hidden list.

**Remarks:**

The **ChangedSite** object derives from the **ChangedItem** (section [3.1.5.2](#)) base object.

#### 3.1.5.6.1 Properties

##### 3.1.5.6.1.1 Scalar Properties

###### 3.1.5.6.1.1.1 ChangedBy

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedBy**, as specified in section [3.1.5.2.1.1.1](#).

###### 3.1.5.6.1.1.2 ChangedTime

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedTime**, as specified in section [3.1.5.2.1.1.2](#).

###### 3.1.5.6.1.1.3 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Id** section [3.1.5.2.1.1.3](#).

###### 3.1.5.6.1.1.4 ItemType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ItemType** section [3.1.5.2.1.1.4](#).

### 3.1.5.6.1.1.5 Operation

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Operation** section [3.1.5.2.1.1.5](#).

### 3.1.5.6.1.1.6 SiteId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the site (2) identifier.

### 3.1.5.6.1.1.7 TermId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the **Term** (section [3.1.5.16](#)) identifier.

### 3.1.5.6.1.1.8 TermSetId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the **TermSet** (section [3.1.5.20](#)) identifier.

### 3.1.5.6.1.2 ObjectPath Properties

None.

### 3.1.5.6.2 Methods

#### 3.1.5.6.2.1 Scalar Methods

None.

#### 3.1.5.6.2.2 ObjectPath Methods

None.

### 3.1.5.7 Microsoft.SharePoint.Client.Taxonomy.ChangedTerm

**TypeId:** {08A04A9A-C4CE-46D4-A2C3-5C369BC69780}

**ShortName:** SP.Taxonomy.ChangedTerm

Indicates a change that happened to a **Term** (section [3.1.5.16](#)) object.

**Remarks:**

The **ChangedTerm** object derives from the **ChangedItem** (section [3.1.5.2](#)) base object.

### 3.1.5.7.1 Properties

#### 3.1.5.7.1.1 Scalar Properties

##### 3.1.5.7.1.1.1 ChangedBy

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedBy**, as specified in section [3.1.5.2.1.1.1](#).

##### 3.1.5.7.1.1.2 ChangedTime

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedTime**, as specified in section [3.1.5.2.1.1.2](#).

##### 3.1.5.7.1.1.3 GroupId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the **TermGroup** (section [3.1.5.18](#)) object to which the **Term** (section [3.1.5.4](#)) object belongs.

##### 3.1.5.7.1.1.4 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Id** section [3.1.5.2.1.1.3](#).

##### 3.1.5.7.1.1.5 ItemType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ItemType** section [3.1.5.2.1.1.4](#).

##### 3.1.5.7.1.1.6 Operation

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Operation** section [3.1.5.2.1.1.5](#).

### 3.1.5.7.1.1.7 TermSetId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the **TermSet** (section [3.1.5.20](#)) object to which the **Term** (section [3.1.5.16](#)) object belongs.

### 3.1.5.7.1.1.8 ChangedCustomProperties

**Type:** **CSOM array** of CSOM String

**Accessibility:** Read Only

Specifies a collection of names of custom properties that have been changed.

### 3.1.5.7.1.1.9 ChangedLocalCustomProperties

**Type:** CSOM array of CSOM String

**Accessibility:** Read Only

Specifies a collection of names of local custom properties that have been changed.

### 3.1.5.7.1.1.10 LcidsForChangedDescriptions

**Type:** CSOM array of **CSOM Int32**

**Accessibility:** Read Only

Specifies **language code identifiers (LCIDs)** in which descriptions have changed.

### 3.1.5.7.1.1.11 LcidsForChangedLabels

**Type:** CSOM array of CSOM Int32

**Accessibility:** Read Only

Specifies language code identifiers (LCIDs) in which labels have changed.

### 3.1.5.7.1.2 ObjectPath Properties

None.

### 3.1.5.7.2 Methods

#### 3.1.5.7.2.1 Scalar Methods

None.

#### 3.1.5.7.2.2 ObjectPath Methods

None.

### 3.1.5.8 Microsoft.SharePoint.Client.Taxonomy.ChangedTermSet

**TypeId:** {5E776E93-0414-44A7-9A54-A00C594ED47C}

**ShortName:** SP.Taxonomy.ChangedTermSet

Indicates a change that happened to a **TermSet** (section [3.1.5.20](#)) object.

**Remarks:**

The **ChangedTermSet** object derives from the **ChangedItem** (section [3.1.5.2](#)) base object.

#### 3.1.5.8.1 Properties

##### 3.1.5.8.1.1 Scalar Properties

###### 3.1.5.8.1.1.1 ChangedBy

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedBy**, as specified in section [3.1.5.2.1.1.1](#).

###### 3.1.5.8.1.1.2 ChangedTime

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedTime**, as specified in section [3.1.5.2.1.1.2](#).

###### 3.1.5.8.1.1.3 FromGroupId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the **TermGroup** (section [3.1.5.18](#)) object from which a **TermSet** (section [3.1.5.20](#)) object is moved.

###### 3.1.5.8.1.1.4 GroupId

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the **TermGroup** (section [3.1.5.18](#)) object to which the changed **TermSet** (section [3.1.5.20](#)) object belongs.

###### 3.1.5.8.1.1.5 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Id** section [3.1.5.2.1.1.3](#).

### 3.1.5.8.1.1.6 ItemType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ItemType** section [3.1.5.2.1.1.4](#).

### 3.1.5.8.1.1.7 Operation

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Operation** section [3.1.5.2.1.1.5](#).

### 3.1.5.8.1.2 ObjectPath Properties

None.

### 3.1.5.8.2 Methods

#### 3.1.5.8.2.1 Scalar Methods

None.

#### 3.1.5.8.2.2 ObjectPath Methods

None.

### 3.1.5.9 Microsoft.SharePoint.Client.Taxonomy.ChangedTermStore

**TypeId:** {DB44A214-C48A-4607-8C77-4AC9EE96C263}

**ShortName:** SP.Taxonomy.ChangedTermStore

Indicates a change that happened to a **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

The **ChangedTermStore** object derives from the **ChangedItem** (section [3.1.5.2](#)) base object.

#### 3.1.5.9.1 Properties

##### 3.1.5.9.1.1 Scalar Properties

###### 3.1.5.9.1.1.1 ChangedBy

**Type:** CSOM String

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedBy**, as specified in section [3.1.5.2.1.1.1](#).

### 3.1.5.9.1.1.2 ChangedLanguage

**Type:** CSOM Int32

**Accessibility:** Read Only

Gets an integer that represents the changed language.

### 3.1.5.9.1.1.3 ChangedTime

**Type:** CSOM DateTime

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ChangedTime**, as specified in section [3.1.5.2.1.1.2](#).

### 3.1.5.9.1.1.4 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Id** section [3.1.5.2.1.1.3](#).

### 3.1.5.9.1.1.5 IsDefaultLanguageChanged

**Type:** **CSOM Boolean**

**Accessibility:** Read Only

Gets a **Boolean** value that indicates whether this change changed the default language of the **TermStore** (section [3.1.5.23](#)) object.

### 3.1.5.9.1.1.6 IsFullFarmRestore

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that indicates whether the **TermStore** (section [3.1.5.23](#)) change is a full farm restore.

### 3.1.5.9.1.1.7 ItemType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.ItemType** section [3.1.5.2.1.1.4](#).

### 3.1.5.9.1.1.8 Operation

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read Only

See **Microsoft.SharePoint.Client.Taxonomy.ChangedItem.Operation** section [3.1.5.2.1.1.5](#).

### 3.1.5.9.1.2 ObjectPath Properties

None.

### 3.1.5.9.2 Methods

#### 3.1.5.9.2.1 Scalar Methods

None.

#### 3.1.5.9.2.2 ObjectPath Methods

None.

### 3.1.5.10 Microsoft.SharePoint.Client.Taxonomy.Label

**TypeId:** {81503AE1-8747-4684-A172-163C7E009EF9}

**ShortName:** SP.Taxonomy.Label

Represents the name of a **Term** (section [3.1.5.16](#)) object in a specific language.

A term can have one or more labels in the default language, and zero or more labels in the non-default language. If the term has labels in a language, one of the labels **MUST** be the default label.

#### 3.1.5.10.1 Properties

##### 3.1.5.10.1.1 Scalar Properties

###### 3.1.5.10.1.1.1 IsDefaultForLanguage

**Type:** CSOM Boolean

**Accessibility:** Read Only

Indicates whether this **Label** (section [3.1.5.10](#)) object is the default label for the language.

###### 3.1.5.10.1.1.2 Language

**Type:** CSOM Int32

**Accessibility:** Read/Write

Indicates the locale of the current **Label** (section [3.1.5.10](#)) object.

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**



Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	The language of a default <b>Label</b> (section <a href="#">3.1.5.10</a> ) cannot be changed.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The language is not a valid language or is not one of the working languages for the current <b>TermStore</b> (section <a href="#">3.1.5.23</a> ).

### 3.1.5.10.1.1.3 Value

**Type:** CSOM String

**Accessibility:** Read/Write

Gets or sets the value of the current **Label** (section [3.1.5.10](#)) object.

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
- 2147024809	<b>ArgumentException</b>	The value is not valid for a <b>Term</b> (section <a href="#">3.1.5.16</a> ) label. The <b>Label</b> cannot have more than 255 characters, and cannot contain any invalid characters including: semicolon, double quote, left angle bracket, right angle bracket, ampersand, pipe, and tab.

### 3.1.5.10.1.2 ObjectPath Properties

#### 3.1.5.10.1.2.1 Term

**Type:** Microsoft.SharePoint.Client.Taxonomy.Term

**Accessibility:** Read Only

Returns the **Term** (section [3.1.5.16](#)) object that the current **Label** (section [3.1.5.10](#)) object is associated with.

### 3.1.5.10.2 Methods

#### 3.1.5.10.2.1 Scalar Methods

##### 3.1.5.10.2.1.1 DeleteObject

**Return Type:** None

Deletes the current **Label** (section [3.1.5.10](#)) object.

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save the deletion to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	The default label for a <b>Term</b> (section <a href="#">3.1.5.16</a> ) object in the default language cannot be deleted. Deleting the last <b>Label</b> of a <b>Term</b> is not allowed. Delete the <b>Term</b> instead.

**Parameters:** None

### 3.1.5.10.2.1.2 SetAsDefaultForLanguage

**Return Type:** None

Sets the current **Label** section ([3.1.5.10](#)) object as the default label for its language.

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.

**Parameters:** None

### 3.1.5.10.2.2 ObjectPath Methods

None.

### 3.1.5.11 Microsoft.SharePoint.Client.Taxonomy.LabelCollection

**TypeId:** {1849DC80-6AED-4ACC-A38F-18CAF1D7A216}

**ShortName:** SP.Taxonomy.LabelCollection

Represents a collection of **Label** (section [3.1.5.10](#)) objects.

#### 3.1.5.11.1 Properties

##### 3.1.5.11.1.1 Scalar Properties

None.

### 3.1.5.11.1.2 ObjectPath Properties

None.

### 3.1.5.11.2 Methods

#### 3.1.5.11.2.1 Scalar Methods

None.

#### 3.1.5.11.2.2 ObjectPath Methods

##### 3.1.5.11.2.2.1 GetByValue

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Label

Gets a **Label** (section [3.1.5.10](#)) object by **value** (section [3.1.5.10.1.1.3](#)).

**Parameters:**

*index:* The value of the **Label** (section [3.1.5.10](#)) object to retrieve.

Type: CSOM String

### 3.1.5.12 Microsoft.SharePoint.Client.Taxonomy.StringMatchOption

**ShortName:** SP.Taxonomy.StringMatchOption

**Flag:** false

Indicates what type of string matching to be performed when comparing strings.

#### 3.1.5.12.1 Field Values

##### 3.1.5.12.1.1 StartsWith

**Value:** 0

Indicates that the string that is being matched MUST start with the specified value.

##### 3.1.5.12.1.2 ExactMatch

**Value:** 1

Indicates that the string that is being matched MUST match exactly all of the characters in the specified value.

### 3.1.5.13 Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValue

**TypeId:** {19E70ED0-4177-456B-8156-015E4D163FF8}

**ShortName:** SP.Taxonomy.TaxonomyFieldValue

Represents a single value held in a **TaxonomyField** (section [3.1.5.27](#)) object.

### 3.1.5.13.1 Properties

#### 3.1.5.13.1.1 Scalar Properties

##### 3.1.5.13.1.1.1 Label

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the label of the **TaxonomyField** (section [3.1.5.27](#)) object.

##### 3.1.5.13.1.1.2 TermGuid

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a string representing **Term** (section [3.1.5.16](#)) **GUID**.

**Remarks:**

If an invalid internal identifier was specified when the **TaxonomyFieldValue** object was constructed, this property will return an empty string.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	<b>MemberAccessException</b>	The GUID of the <b>Term</b> (section <a href="#">3.1.5.16</a> ) was not specified when the <b>TaxonomyFieldValue</b> (section <a href="#">3.1.5.13</a> ) object was constructed and the <b>TaxonomyFieldValue</b> object is not bound to a <b>field (2)</b> .

##### 3.1.5.13.1.1.3 WssId

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the **list item** identifier of the list item containing the **TaxonomyFieldValue** that is encapsulated by the **TaxonomyFieldValue** (section [3.1.5.13](#)) object.

#### 3.1.5.13.1.2 ObjectPath Properties

None.

### 3.1.5.14 Microsoft.SharePoint.Client.Taxonomy.TaxonomyItem

**TypeId:** {5F6011B8-FAE0-4784-8882-85765261D951}

**ShortName:** SP.Taxonomy.TaxonomyItem

The **TaxonomyItem** class is a base class that represents an item in the **TermStore** (section [3.1.5.23](#)).

A **TaxonomyItem** has a name and a unique identifier. It also contains date and time of when the item is created and when the item is last modified.

### 3.1.5.14.1 Properties

#### 3.1.5.14.1.1 Scalar Properties

##### 3.1.5.14.1.1.1 CreatedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Gets the date and time when this item was created.

##### 3.1.5.14.1.1.2 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the current **TaxonomyItem** (section [3.1.5.14](#)).

##### 3.1.5.14.1.1.3 LastModifiedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Gets the date and time when this item was most recently updated.

##### 3.1.5.14.1.1.4 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the current **TaxonomyItem** (section [3.1.5.14](#)) object.

#### 3.1.5.14.1.2 ObjectPath Properties

##### 3.1.5.14.1.2.1 TermStore

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

**Accessibility:** Read Only

Gets the **TermStore** (section [3.1.5.23](#)) object from which the current **TaxonomyItem** (section [3.1.5.14](#)) was retrieved.

## 3.1.5.14.2 Methods

### 3.1.5.14.2.1 Scalar Methods

#### 3.1.5.14.2.1.1 DeleteObject

**Return Type:** None

Deletes the current **TaxonomyItem** (section [3.1.5.14](#)) object.

**Parameters:** None

#### 3.1.5.14.2.1.2 NormalizeName

This method is a **static CSOM method**.

**Return Type:** CSOM String

Normalizes a name of a **TaxonomyItem** (section [3.1.5.14](#)) object.

**Parameters:**

*name*: The name that the **NormalizeName** normalizes.

Type: CSOM String

**Remarks:**

The name is normalized to trim consecutive spaces into one space and replace the ampersand (&) character with the wide character version of the character:"(\uFF06)".

### 3.1.5.14.2.2 ObjectPath Methods

None.

## 3.1.5.15 Microsoft.SharePoint.Client.Taxonomy.TaxonomySession

**TypeId:** {981CBC68-9EDC-4F8D-872F-71146FCBB84F}

**ShortName:** SP.Taxonomy.TaxonomySession

The container for all of the associated **TermStore** (section [3.1.5.23](#)) objects for a **site collection**.

### 3.1.5.15.1 Properties

#### 3.1.5.15.1.1 Scalar Properties

##### 3.1.5.15.1.1.1 OfflineTermStoreNames

**Type:** CSOM array of CSOM String

**Accessibility:** Read Only

Gets an array of **string** values representing the names of **TermStore** (section [3.1.5.23](#)) objects that are currently offline.

### 3.1.5.15.1.2 ObjectPath Properties

#### 3.1.5.15.1.2.1 TermStores

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermStoreCollection

**Accessibility:** Read Only

A collection of **TermStore** (section [3.1.5.23](#)) objects that are associated with a **Web application (1)** of the current site collection.

### 3.1.5.15.2 Methods

#### 3.1.5.15.2.1 Scalar Methods

##### 3.1.5.15.2.1.1 UpdateCache

**Return Type:** None

This method forces the taxonomy cache to communicate with the Managed Metadata Service to check for changes to any taxonomy objects.

**Remarks:**

A background thread already performs these checks at periodic intervals, so calling **UpdateCache** is normally unnecessary. However, it is sometimes useful immediately before a change (to reduce the likelihood of save conflict errors), or immediately after a change (if that change may have been performed via a different Web Front End (WFE)).

This method updates the cache for each **TermStore** (section [3.1.5.23](#)) object.

**Parameters:** None

#### 3.1.5.15.2.2 ObjectPath Methods

##### 3.1.5.15.2.2.1 GetTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Gets a **Term** (section [3.1.5.16](#)) object that is based on the **Id** (section [3.1.5.16.1.1.4](#)) property.

**Remarks:**

If the current **Term** (section [3.1.5.16](#)) is part of multiple **TermSet** (section [3.1.5.20](#)) objects, the server returns an arbitrary **Term** object from one of the **TermSet** objects. The server MUST return **null** if the **Term** cannot be found or if the user does not have sufficient permissions to access it.

**Parameters:**

*termId*: The **Id** (section [3.1.5.16.1.1.4](#)) property of the **Term** (section [3.1.5.16](#)) to get.

Type: CSOM GUID

##### 3.1.5.15.2.2.2 GetTerms

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of **Term** (section [3.1.5.16](#)) objects from all **TermSet** (section [3.1.5.20](#)) objects, which are not scoped to a **Site** ([\[MS-CSOMSPT\]](#) section 3.2.5.119) object, from all **TermStore** (section [3.1.5.23](#)) objects, based on the label criteria provided.

**Remarks:**

The **LabelMatchInformation** values that are set MUST be one of these combinations:

- **LabelMatchInformation.TermLabel** and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.Lcid**, and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.DefaultLabelOnly**, **LabelMatchInformation.StringMatchOption**, **LabelMatchInformation.ResultCollectionSize**, and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.Lcid**, **LabelMatchInformation.DefaultLabelOnly**, **LabelMatchInformation.StringMatchOption**, **LabelMatchInformation.ResultCollectionSize**, **LabelMatchInformation.TrimUnavailable**, and **LabelMatchInformation.TrimDeprecated**.

If the combination of **LabelMatchInformation** (section [3.1.5.30](#)) values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **LabelMatchInformation.TermLabel** (section [3.1.5.30.1.1.6](#)) cannot be null or empty, and MUST NOT exceed 255 characters in length. It also cannot contain any of the following illegal characters: ; " < > | & tab

The search is case-insensitive, and will match either the entire label or only check that it starts with the specified string depending on the value of the **LabelMatchInformation.StringMatchOption** (section [3.1.5.30.1.1.5](#)) parameter.

If **LabelMatchInformation.TrimUnavailable** (section [3.1.5.30.1.1.8](#)) is true, then terms that have **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) set to false will be trimmed from the results; otherwise, all terms will be returned regardless of their **Term.IsAvailableForTagging** value.

If **LabelMatchInformation.Lcid** (section [3.1.5.30.1.1.3](#)) is specified, then a **Term** will be returned if a **Label** in the specified **Lcid** matches the string provided. If no **Lcid** is specified, then all **Term.Labels** (section [3.1.5.16.1.2.1](#)) in all working languages will be searched by this method. The **Lcid** value MUST be one of the working languages of the term store, specified by **TermStore.Languages** (section [3.1.5.23.1.1.4](#)).

If **LabelMatchInformation.DefaultLabelOnly** (section [3.1.5.30.1.1.1](#)) is true, then only the default labels will be searched.

The maximum number of results returned from this search is restricted by the **LabelMatchInformation.ResultCollectionSize** (section [3.1.5.30.1.1.4](#)) parameter. If **LabelMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

If **LabelMatchInformation.TrimDeprecated** (section [3.1.5.30.1.1.7](#)) is true, then terms that have **Term.IsDeprecated** (section [3.1.5.16.1.1.6](#)) set to true will be trimmed from the results; otherwise, all terms will be returned regardless of their **Term.IsDeprecated** value.



To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024809	<b>ArgumentException</b>	Incorrect combination of <b>LabelMatchInformation</b> settings provided.
- 2147024809	<b>ArgumentException</b>	Invalid value provided for one of the <b>LabelMatchInformation</b> settings.
- 2147024809	<b>ArgumentException</b>	The value of <b>LabelMatchInformation.TermLabel</b> is invalid. It either contains invalid characters or is too long.
- 2147467261	<b>ArgumentNullException</b>	Some <b>LabelMatchInformation</b> settings cannot be <b>null</b> or empty.
- 2147467261	<b>ArgumentNullException</b>	The <b>LabelMatchInformation.TermLabel</b> cannot be null or empty.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <b>LabelMatchInformation.Lcid</b> value MUST be one of the working languages in the current <b>TermStore</b> .

**Parameters:**

*labelMatchInformation*: Indicates the search criteria to use when retrieving **Term** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.LabelMatchInformation

**3.1.5.15.2.2.3 GetTermsWithCustomProperty**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of all of the **Term** (section [3.1.5.16](#)) objects, from all **TermStore** (section [3.1.5.23](#)) objects, that have a custom property matching the criteria provided.

**Remarks:**

The **CustomPropertyMatchInformation** (section [3.1.5.29](#)) values that are set MUST be one of these combinations:

- **CustomPropertyMatchInformation.CustomPropertyName** and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.ResultCollectionSize**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**,

**CustomPropertyMatchInformation.StringMatchOption**, and **CustomPropertyMatchInformation.TrimUnavailable**.

- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, **CustomPropertyMatchInformation.StringMatchOption**, **CustomPropertyMatchInformation.ResultCollectionSize**, and **CustomPropertyMatchInformation.TrimUnavailable**.

Only **Term** objects within **TermSet** objects that are not scoped to a **Site** ([\[MS-CSOMSPT\]](#) section 3.2.5.119) and **TermSet** objects that are scoped to the current **Site** are searched.

If the combination of **CustomPropertyMatchInformation** values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **CustomPropertyMatchInformation.CustomPropertyName** (section [3.1.5.29.1.1.1](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain any of the following illegal characters: ; " < > | & tab

The **CustomPropertyMatchInformation.CustomPropertyValue** (section [3.1.5.29.1.1.2](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain the illegal characters \t or \n.

The search is case-insensitive, and will match either the entire value or the custom property name or value, or only check that it starts with the specified string depending on the value of the **CustomPropertyMatchInformation.StringMatchOption** (section [3.1.5.29.1.1.4](#)) parameter. If the **CustomPropertyMatchInformation.StringMatchOption** is not set, it defaults to exact match.

The **CustomPropertyMatchInformation.ResultCollectionSize** (section [3.1.5.29.1.1.3](#)) value MUST be greater than 0. The maximum number of results returned from this search is restricted by the **CustomPropertyMatchInformation.ResultCollectionSize** parameter. If **CustomPropertyMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

If **CustomPropertyMatchInformation.TrimUnavailable** (section [3.1.5.29.1.1.5](#)) is set to true, then **Term** objects that have **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) set to false will be trimmed from the results; otherwise, all matching terms will be returned regardless of their **Term.IsAvailableForTagging** value.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

#### Exceptions:

Error Code	Error Type Name	Condition
- 214702480 9	<b>ArgumentException</b>	Incorrect combination of <b>CustomPropertyMatchInformation</b> settings provided.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyName</b> is invalid. It either contains invalid characters or is too long.
-	<b>ArgumentException</b>	The value of

Error Code	Error Type Name	Condition
2147024809		<b>CustomPropertyMatchInformation.CustomPropertyV alue</b> is invalid. It exceeds the maximum allowed length of 255.
- 2147024809	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyV alue</b> is invalid. It contains invalid character '\t', '\n', or both.
- 2147467261	<b>ArgumentNullException</b>	Some <b>CustomPropertyMatchInformation</b> settings MUST NOT be <b>null</b> or empty.
- 2147467261	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyN ame</b> MUST NOT be <b>null</b> or empty.
- 2147467261	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyV alue</b> MUST NOT be <b>null</b> or empty.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <b>CustomPropertyMatchInformation.ResultCollectionSi ze</b> is invalid. It MUST be greater than 0.

#### Parameters:

*customPropertyMatchInformation*: Indicates the search criteria to use when retrieving **Term** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation

### 3.1.5.15.2.2.4 GetTermsInDefaultLanguage

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

The **GetTermsInDefaultLanguage** method searches **Label** objects (section [3.1.5.10](#)) in the **TermStore** (section [3.1.5.23](#)) default language, and returns **Term** (section [3.1.5.16](#)) objects from all **TermSet** objects (section [3.1.5.20](#)) that are not scoped to a site (2) from all **TermStore** objects with a **Label** matching the provided string.

#### Parameters:

*termLabel*: The string that is searched by **GetTermsInDefaultLanguage**.

Type: CSOM String

*defaultLabelOnly*: This parameter is "true" if the method only searches default **Label** objects; otherwise, "false" if it searches all **Label** objects.

Type: CSOM Boolean

*stringMatchOption*: Indicates how the string is matched, as specified by **StringMatchOption** (section [3.1.5.12](#)).

Type: Microsoft.SharePoint.Client.Taxonomy.StringMatchOption

*resultCollectionSize*: The maximum number of **Term** objects to return from each **TermStore** object.

Type: CSOM Int32

*trimUnavailable*: A Boolean indicating whether to trim out **Term** objects that have the **IsAvailableForTagging** (section [3.1.5.20.1.1.7](#)) property set to **false**.

Type: CSOM Boolean

*trimDeprecated*: This parameter is "true" if the method trims away the deprecated **Term** objects from the result collection; otherwise, "false" if it includes the deprecated **Term** objects in the result collection.

Type: CSOM Boolean

### 3.1.5.15.2.2.5 GetTermsInWorkingLocale

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

The **GetTermsInWorkingLocale** method searches **Label** objects (section [3.1.5.10](#)) in the **TermStore** (section [3.1.5.23](#)) working language, and returns **Term** objects (section [3.1.5.16](#)) from all **TermSet** objects (section [3.1.5.20](#)) that are not scoped to a site (2) from all **TermStore** objects with a **Label** matching the provided string.

#### Parameters:

*termLabel*: The string that **GetTermsInWorkingLocale** searches.

Type: CSOM String

*defaultLabelOnly*: This parameter is "true" if the method only searches default **Label** objects; "false" if it searches all **Label** objects.

Type: CSOM Boolean

*stringMatchOption*: Indicates how the string is matched, as specified by **StringMatchOption** (section [3.1.5.12](#)).

Type: Microsoft.SharePoint.Client.Taxonomy.StringMatchOption

*resultCollectionSize*: The maximum number of **Term** objects to return from each **TermStore**.

Type: CSOM Int32

*trimUnavailable*: A Boolean indicating whether to trim out **Term** objects that have the **IsAvailableForTagging** (section [3.1.5.20.1.1.7](#)) property set to **false**.

Type: CSOM Boolean

*trimDeprecated*: This parameter is "true" if the method trims away the **deprecated term Term** (section [3.1.5.16](#)) objects from the result collection; otherwise, "false" if it includes the deprecated **Term** objects in the result collection.

Type: CSOM Boolean

### 3.1.5.15.2.2.6 GetDefaultKeywordsTermStore

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

Gets the **TermStore** (section [3.1.5.23](#)) object to be used for keywords. This value is specified on the metadata application proxy connection. If multiple proxies associated with a Web application (1) in a site (2) are marked as the default keywords **TermStore**, then the server MUST return NULL because only a single default keywords **TermStore** can exist. If no **TermStore** has been selected as the default, then the server MUST return NULL.

**Parameters:** None

### 3.1.5.15.2.2.7 GetDefaultSiteCollectionTermStore

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

Gets the **TermStore** (section [3.1.5.23](#)) object to be used for metadata that is specific to the site collection, such as column-specific **TermSet** (section [3.1.5.20](#)) objects. This value is specified on the metadata application proxy connection. If multiple proxies associated with a Web application (1) in a site (2) are marked as the default keywords **TermStore**, then the server MUST return NULL because only a single default keywords **TermStore** can exist.

**Parameters:** None

### 3.1.5.15.2.2.8 GetTaxonomySession

This method is a static CSOM method.

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TaxonomySession

This method retrieves a **TaxonomySession** (section [3.1.5.15](#)) object for performing taxonomy-related operations.

The **TaxonomySession** returned is based on the in-context **Site** ([\[MS-CSOMSPT\]](#) section 3.2.5.119). The client-side object model supports only one **TaxonomySession** instance for a given client context. If this method is called multiple times, it will return the same object.

Unlike the server-side object model, this method does not provide a parameter to update the cache. That can be accomplished by explicitly calling **TaxonomySession.UpdateCache** (section [3.1.5.15.2.1.1](#)).

**Parameters:** None

### 3.1.5.15.2.2.9 GetTermsById

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a set of **Term** (section [3.1.5.16](#)) objects based on **Term.Id** (section [3.1.5.16.1.1.4](#)). If a **Term** is part of more than one **TermSet** (section [3.1.5.20](#)) object, it will arbitrarily return the **Term** from one of the **TermSet** objects.

**Parameters:**

*termIds*: A list of **Term** (section [3.1.5.16](#)) Ids.

Type: CSOM array of CSOM GUID

### 3.1.5.15.2.2.10 GetTermSetsByName

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

Gets all **TermSet** (section [3.1.5.20](#)) objects from all **TermStore** (section [3.1.5.23](#)) objects that have a name in the specified language.

**Parameters:**

*termSetName*: The name of the **TermSet** object.

Type: CSOM String

*lcid*: LCID of the language.

Type: CSOM Int32

### 3.1.5.15.2.2.11 GetTermSetsByTermLabel

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

Gets all of the **TermSet** (section [3.1.5.20](#)) objects from all of the **TermStore** (section [3.1.5.23](#)) objects that contain **Term** (section [3.1.5.16](#)) objects with matching LCID-specific labels for all specified strings.

**Parameters:**

*requiredTermLabels*: A list of strings to search.

Type: CSOM array of CSOM String

*lcid*: The language to search in.

Type: CSOM Int32

### 3.1.5.16 Microsoft.SharePoint.Client.Taxonomy.Term

**TypeId:** {5B8C81B7-7CD2-40DC-8525-5ECA12A4EB73}

**ShortName:** SP.Taxonomy.Term

Represents a term or a **keyword** in a managed metadata **hierarchy**.

**Remarks:**

A **Term** is stored as a **TermSetItem** (section [3.1.5.22](#)) object in the **TermStore** (section [3.1.5.23](#)) object. It contains references to the parts that define a **TermSetItem**.

A **Term** can be reused under different parent objects. It can have custom properties associated with it. It can have multiple **Label** (section [3.1.5.10](#)) objects associated with it for different language code identifiers (LCIDs).

When the **IsKeyword** (section [3.1.5.16.1.1.7](#)) property is set to **true**, the **Term** represents a keyword. A keyword does not have any child objects and is stored in a keyword **TermSet** (section [3.1.5.20](#)).

Initialize a new instance of this class by using the **CreateTerm** (section [3.1.5.16.2.2.3](#)) method, the static **GetTerm** (section [3.1.5.20.2.2.5](#)) method, or by getting it from a **TermCollection** (section [3.1.5.17](#)) object.

### 3.1.5.16.1 Properties

#### 3.1.5.16.1.1 Scalar Properties

##### 3.1.5.16.1.1.1 CreatedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Gets the date and time when this item was created.

##### 3.1.5.16.1.1.2 CustomProperties

**Type:** CSOM dictionary

**Accessibility:** Read Only

Gets the collection of custom property objects from the read-only dictionary of the **Term** (section [3.1.5.16](#)) object.

##### 3.1.5.16.1.1.3 CustomSortOrder

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the custom sort order of the current **Term** (section [3.1.5.16](#)) object.

The return value is a string that is composed of the child **Term** GUIDs and separated by a semicolon (;). When the custom sort order is **null** or empty, the child **Term** objects of the current **Term** are sorted alphabetically based on the language of the current **TermStore** (section [3.1.5.23](#)) object.

#### Remarks:

If the custom sort-order value contains an invalid GUID, or if one of the GUIDs does not belong to its child **Term** objects, then it is ignored. If any GUID that belongs to a child **Term** is not included, then it will be sorted alphabetically following the **Term** objects with custom sort order.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

#### Exceptions:

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the <b>orphaned terms term set</b> (section <a href="#">3.1.5.20</a> ) object. The operation failed.

##### 3.1.5.16.1.1.4 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the identifier of the current **TaxonomyItem** (section [3.1.5.14](#)).

### 3.1.5.16.1.1.5 **IsAvailableForTagging**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies the flag indicating whether a **Term** (section [3.1.5.16](#)) object can be used to tag in the tagging user interface. The tagging user interface is a user interface for adding terms as tags to SharePoint items.

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ) object. The operation failed.

### 3.1.5.16.1.1.6 **IsDeprecated**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets information about whether the current **Term** (section [3.1.5.16](#)) object has been deprecated.

### 3.1.5.16.1.1.7 **IsKeyword**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets information about whether the current **Term** object is a keyword in the keyword **TermSet** (section [3.1.5.20](#)).

### 3.1.5.16.1.1.8 **IsReused**

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets information about whether the current **Term** (section [3.1.5.16](#)) object is a reused term.

**Remarks:**



If the current **Term** is reused, there is at least one member in the **ReusedTerms** (section [3.1.5.16.1.2.3](#)) collection. Use the **SourceTerm** (section [3.1.5.16.1.2.4](#)) property to find out if the current **Term** is the source **Term** for reuse.

#### 3.1.5.16.1.1.9 IsRoot

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets information about whether the current **Term** (section [3.1.5.16](#)) object is at the root of the **TermSet** (section [3.1.5.20](#)) object.

Returns **true** if the current **Term** is at the root of **TermSet**; otherwise **false**.

#### 3.1.5.16.1.1.10 IsSourceTerm

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets information about whether the current **Term** (section [3.1.5.16](#)) is the source **Term** among reused terms.

**Remarks:**

If the **IsReused** (section [3.1.5.16.1.1.8](#)) property is **false**, the current **Term** is not reused and this property will always return **true**. If the current **Term** is reused, then this property returns **true** if the current **Term** is also the source **Term**.

#### 3.1.5.16.1.1.11 LastModifiedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Gets the date and time when this item was most recently updated.

#### 3.1.5.16.1.1.12 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the current **Term** (section [3.1.5.16](#)) object.

**Remarks:**

The name is the default **Label** (section [3.1.5.10](#)) of the working language, as specified by **WorkingLanguage** (section [3.1.5.23.1.1.6](#)) property, of the current **TermStore** (section [3.1.5.23](#)).

The **Name** value will be normalized to trim consecutive spaces into one and replace any "&" characters with the wide character version of the character ("\uFF06"). It MUST be non-empty, cannot exceed 255 characters, and cannot contain any of the following characters: ;, ", <, >, |, & , or the tab-character.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ) object. The operation failed.
- 2147024809	<b>ArgumentException</b>	The name is not valid because it either contains invalid characters or is too long.
- 2147467261	<b>ArgumentNullException</b>	The name is <b>null</b> or an empty string.

**3.1.5.16.1.1.13 Owner****Type:** CSOM String**Accessibility:** Read/WriteSpecifies the owner of the current **Term** (section [3.1.5.16](#)) object.**Remarks:**The **Owner** property MUST NOT be empty or **null**. It cannot exceed 255 characters.Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ) object. The operation failed.
- 2147024809	<b>ArgumentException</b>	The name is not valid because it either contains invalid characters or is too long.
- 2147467261	<b>ArgumentNullException</b>	The name is <b>null</b> or an empty string.

**3.1.5.16.1.1.14 TermsCount****Type:** CSOM Int32**Accessibility:** Read OnlyGets the number of child **Term** (section [3.1.5.16](#)) objects.**3.1.5.16.1.1.15 IsPinned****Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether this **Term** (section [3.1.5.16](#)) is pinned.

### 3.1.5.16.1.1.16 LocalCustomProperties

**Type:** CSOM dictionary

**Accessibility:** Read Only

Specifies the custom properties that have been overridden for this **Term** (section [3.1.5.16](#)).

### 3.1.5.16.1.1.17 MergedTermIds

**Type:** CSOM array of CSOM GUID

**Accessibility:** Read Only

Specifies a read-only collection of term identifiers. **Term** (section [3.1.5.16](#)) objects identified by the returned identifiers have been merged into the current **Term**.

### 3.1.5.16.1.1.18 Description

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the description of the **Term** (section [3.1.5.16](#)) in the same language as **Name** (section [3.1.5.16.1.1.12](#)). If the **Term** does not have a description, an empty string is returned.

### 3.1.5.16.1.1.19 PathOfTerm

**Type:** CSOM String

**Accessibility:** Read Only

Gets the path for this **Term** (section [3.1.5.16](#)) in the **TermStore** (section [3.1.5.23](#)) default language.

### 3.1.5.16.1.1.20 IsPinnedRoot

**Type:** CSOM Boolean

**Accessibility:** Read Only

Indicates whether this term is pinned and is the root of the pinned tree.

## 3.1.5.16.1.2 ObjectPath Properties

### 3.1.5.16.1.2.1 Labels

**Type:** Microsoft.SharePoint.Client.Taxonomy.LabelCollection

**Accessibility:** Read Only

Specifies a collection of **Label** (section [3.1.5.10](#)) objects for the current **Term** (section [3.1.5.16](#)) object.

**Remarks:**

The collection of **Label** objects is returned for all working languages defined by the **Languages** (section [3.1.5.23.1.1.4](#)) property.

**3.1.5.16.1.2.2 Parent**

**Type:** Microsoft.SharePoint.Client.Taxonomy.Term

**Accessibility:** Read Only

Specifies the parent **Term** (section [3.1.5.16](#)) object of the current **Term**.

This value is **null** if the **Term** is the root **Term**, or if the protocol client does not have permissions to access the parent **Term**.

**Remarks:**

This value is specific to the current **TermSet** (section [3.1.5.20](#)) object.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	A <b>null</b> value was passed as the <b>Term</b> .

**3.1.5.16.1.2.3 ReusedTerms**

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

**Accessibility:** Read Only

Specifies all of the instances of the current **Term** (section [3.1.5.16](#)) object that are reused in other **TermSet** (section [3.1.5.20](#)) objects.

**Remarks:**

The returned collection of **Term** objects does not include the current **Term**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	A <b>null</b> value was passed as the <b>Term</b> .

**3.1.5.16.1.2.4 SourceTerm**

**Type:** Microsoft.SharePoint.Client.Taxonomy.Term

**Accessibility:** Read Only

Specifies the source **Term** (section [3.1.5.16](#)) object if the current **Term** is a reused term.

**Remarks:**

Returns **null** if the protocol client does not have permissions to access the source **Term**.

### 3.1.5.16.1.2.5 Terms

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

**Accessibility:** Read Only

Specifies a collection of all immediate child **Term** (section [3.1.5.16](#)) objects of the current **Term** object.

**Remarks:**

The returned collection of terms is sorted based on the custom sort order as specified by **CustomSortOrder** (section [3.1.5.16.1.1.3](#)). If no custom sort order is defined, then it is sorted by **Label** (section [3.1.5.10](#)) based on the alphabetical order that is determined by the **WorkingLanguage** (section [3.1.5.23.1.1.6](#)) object.

### 3.1.5.16.1.2.6 TermSet

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

**Accessibility:** Read Only

Specifies the **TermSet** (section [3.1.5.20](#)) object for the current **Term** (section [3.1.5.16](#)) object.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	The <b>TermSet</b> of the <b>Term</b> is not valid.

### 3.1.5.16.1.2.7 TermSets

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

**Accessibility:** Read Only

Specifies the collection of all **TermSet** (section [3.1.5.20](#)) objects where the current **Term** (section [3.1.5.16](#)) object is either stored or reused.

**Remarks:**

The returned collection includes the **TermSet** object where the current **Term** is stored, and all of the **TermSet** objects where the **Term** is reused.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	At least one of the <b>TermSet</b> objects where the <b>Term</b> is stored or reused is not valid.

### 3.1.5.16.1.2.8 TermStore

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

**Accessibility:** Read Only

Specifies the **TermStore** (section [3.1.5.23](#)) object from which the current **TaxonomyItem** (section [3.1.5.14](#)) was retrieved.

### 3.1.5.16.1.2.9 PinSourceTermSet

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

**Accessibility:** Read Only

Specifies the **TermSet** (section [3.1.5.20](#)) where the **Term** (section [3.1.5.16](#)) that this **Term** is pinned to exists. If this **Term** is not pinned, returns **null**.

### 3.1.5.16.2 Methods

#### 3.1.5.16.2.1 Scalar Methods

##### 3.1.5.16.2.1.1 DeleteCustomProperty

**Return Type:** None

Deletes a custom property from the current **Term** (section [3.1.5.16](#)) object.

**Parameters:**

*name*: The name of the custom property.

Type: CSOM String

**Remarks:**

The name MUST NOT be empty, exceed 255 characters, or contain any of the following characters: ; " < > | & or the tab character.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	The operation is not valid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.
-2147024809	<b>ArgumentException</b>	The custom property name is not valid: it contains characters that are not valid, or is too long.
-2147467261	<b>ArgumentNullException</b>	The custom property name is <b>null</b> or an empty string.

##### 3.1.5.16.2.1.2 DeleteObject

**Return Type:** None

Deletes this **Term** (section [3.1.5.16](#)) object and its child objects from the **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

Deleting a source **Term** while it is still reused elsewhere causes the source **Term** to be moved to the orphaned terms term set object, and the **Term** becomes an orphan. Orphaned **Term** objects cannot be directly deleted. When all reused **Term** objects are deleted, the orphan is also deleted.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	The operation is not valid in orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.

**Parameters:** None

**3.1.5.16.2.1.3 Deprecate**

**Return Type:** None

Deprecates or enables the current **Term** (section [3.1.5.16](#)) object.

**Parameters:**

*doDeprecate*: Indicates whether to deprecate or enable this **Term**.

Type: CSOM Boolean

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	The operation is not valid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.

**3.1.5.16.2.1.4 GetDefaultLabel**

**Return Type:** CSOM String

Specifies the default **Label** (section [3.1.5.10](#)) for this **Term** (section [3.1.5.16](#)) based on the language code identifier (LCID).

**Parameters:**

*lcid*: The LCID the default **Label** is associated with.

Type: CSOM Int32

**Remarks:**

Returns an empty string when there is no default **Label** for the given LCID.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not valid.

### 3.1.5.16.2.1.5 GetDescription

**Return Type:** CSOM String

Specifies the description of the **Term** object in the language (**WorkingLanguage** (section [3.1.5.23.1.1.6](#))) of the current **TermStore** (section [3.1.5.23](#)) object.

**Parameters:**

*lcid*: The description of the language code identifier (LCID).

Type: CSOM Int32

**Remarks:**

Returns the description of the **Term** for the working language or the current **TermStore**, or an empty string if the **Term** has no description in that language.

### 3.1.5.16.2.1.6 GetPath

**Return Type:** CSOM String

Specifies the path for the current **Term** (section [3.1.5.16](#)) in the specified language code identifier (LCID).

**Parameters:**

*lcid*: The LCID for the default **Label** (section [3.1.5.10](#)) object

Type: CSOM Int32

**Remarks:**

The path is composed of the default **Label** objects of the ancestor **Term** objects separated by semicolons (;).

If the *lcid* does not specify a valid **TermStore** (section [3.1.5.23](#)) language, then the default language is used.

### 3.1.5.16.2.1.7 Move

**Return Type:** None

Moves the current **Term** (section [3.1.5.16](#)) object to be a child of a different **Term**.



**Parameters:**

*newParent*: The **Term** that becomes the new parent after the current **Term** object is moved after it.

Type: Microsoft.SharePoint.Client.Taxonomy.TermSetItem

**Remarks:**

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-2147467261	<b>ArgumentNullException</b>	The new parent <b>Term</b> is <b>null</b> .
-2147024809	<b>ArgumentException</b>	The new parent <b>Term</b> is not valid.
-1	<b>TermStoreOperationException</b>	The keyword <b>TermSet</b> (section <a href="#">3.1.5.20</a> ) only allows a flat list of <b>Term</b> objects.
-1	<b>TermStoreOperationException</b>	Cannot move a <b>Term</b> to itself.
-1	<b>TermStoreOperationException</b>	Cannot move a <b>Term</b> to its descendent <b>Term</b> objects.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set. The operation failed.
-1	<b>TermStoreOperationException</b>	Cannot move a <b>Term</b> to a <b>TermSet</b> where other reused <b>Term</b> objects are not allowed.
-1	<b>TermStoreOperationException</b>	Cannot move a <b>Term</b> to a <b>TermSet</b> that has another reused instance of this <b>Term</b> .

**3.1.5.16.2.1.8 ReassignSourceTerm**

**Return Type:** None

Reassigns the source **Term** status to one of the other reused instances of this **Term** (section [3.1.5.16](#)) object.

**Parameters:**

*reusedTerm*: One of the **Term** objects from the **ReusedTerms** (section [3.1.5.16.1.2.3](#)) collection that becomes the new source term.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

**Remarks:**

This method is valid only if the current **Term** is the source **Term**. Use this method before attempting to delete a source **Term**.

If the source **Term** is in the orphaned terms term set and the operation succeeded, then the old source **Term** is removed from the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
- 2147467261	<b>ArgumentNullException</b>	The reused <b>Term</b> to become the new source is <b>null</b> or not valid.
-1	<b>TermStoreOperationException</b>	The current <b>Term</b> MUST be the source <b>Term</b> to reassign the current setting to another <b>Term</b> .
-1	<b>TermStoreOperationException</b>	The source <b>Term</b> cannot be reassigned to itself.
- 2147024809	<b>ArgumentException</b>	The <i>reusedTerm</i> parameter MUST be a member of the <b>ReusedTerms</b> collection for this <b>Term</b> .

**3.1.5.16.2.1.9 SetCustomProperty**

**Return Type:** None

Adds a new custom property or updates the value of an existing property.

**Parameters:**

*name*: The custom property name to set.

Type: CSOM String

*value*: The value to set for the specified custom property.

Type: CSOM String

**Remarks:**

This method tries to find the specified custom property name and set it with the specified value. The property names do not need to be the same case to match. If the custom property name does not exist, then a new property is created.

The *name* MUST be non-empty, cannot exceed 255 characters, and cannot contain any of the following characters: ; " < > | & or the tab character.

The *value* cannot exceed 1000 characters.

The leading and trailing space of the custom property name and value will be trimmed.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to

Error Code	Error Type Name	Condition
2147024891		perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set. The operation failed.
- 2147024809	<b>ArgumentException</b>	The custom property name is not valid. It contains characters that are not valid or is too long.
- 2147467261	<b>ArgumentNullException</b>	The custom property name is <b>null</b> or an empty string.

### 3.1.5.16.2.1.10 SetDescription

**Return Type:** None

Sets the description specified by the language code identifier (LCID) of this **Term** (section [3.1.5.16](#)) object.

**Parameters:**

*description*: The new description specified by the LCID.

Type: CSOM String

*lcid*: The LCID to set *description* for.

Type: CSOM Int32

**Remarks:**

The description MUST NOT be empty, exceed 1000 characters, or contain the tab character.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set. The operation failed.
- 2147024809	<b>ArgumentException</b>	The custom property name is not valid. It contains characters that are not valid or is too long.
- 2147467261	<b>ArgumentNullException</b>	The custom property name is <b>null</b> or an empty string.

### 3.1.5.16.2.1.11 DeleteAllCustomProperties

**Return Type:** None

Deletes all shared custom properties for this **Term** (section [3.1.5.16](#)).

**Parameters:** None

### 3.1.5.16.2.1.12 DeleteAllLocalCustomProperties

**Return Type:** None

Deletes all local custom properties for this **Term** (section [3.1.5.16](#)).

**Parameters:** None

### 3.1.5.16.2.1.13 DeleteLocalCustomProperty

**Return Type:** None

Deletes a local custom property for this **Term** (section [3.1.5.16](#)).

**Parameters:**

*name:* Name of the property to be deleted.

Type: CSOM String

### 3.1.5.16.2.1.14 GetIsDescendantOf

**Return Type:** CSOM Boolean

Indicates whether the current **Term** (section [3.1.5.16](#)) object is a descendent **Term** of the specified **Term**.

**Parameters:**

*ancestorTerm:* The **Term** to verify is or is not an ancestor.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

Returns **true** if the **Term** is a descendent of the specified **Term**; otherwise **false**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	The <b>Term</b> to check is <b>null</b> .

### 3.1.5.16.2.1.15 NormalizeName

This method is a static CSOM method.

**Return Type:** CSOM String

Normalizes a name of a **TaxonomyItem** (section [3.1.5.14](#)) object.

**Parameters:**

*name:* The name to normalize

Type: CSOM String

### 3.1.5.16.2.1.16 SetLocalCustomProperty

**Return Type:** None

Adds a new local custom property if one with the same name does not already exist. If a local property with the same name already exists, this method updates that property with the value indicated in the *value* parameter.

**Parameters:**

*name*: Name of the property to be added or updated.

Type: CSOM String

*value*: Value of the property to be added or updated.

Type: CSOM String

### 3.1.5.16.2.2 ObjectPath Methods

#### 3.1.5.16.2.2.1 Copy

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates and returns a sibling copy of the current **Term** (section [3.1.5.16](#)) object within the current **TermSet** (section [3.1.5.20](#)) object.

**Parameters:**

*doCopyChildren*: Indicates whether to copy this **Term** and all of its child terms.

Type: CSOM Boolean

**Remarks:**

The copied **Term** will have the same properties as the current **Term**, except for the **Name** (section [3.1.5.16.1.1.12](#)) property. If the **Term** is copied with its child **Term** objects, the newly-created child terms will have the same properties as the child terms of the current **Term**, including the **Name** property. The copied child terms will preserve the same hierarchy.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set. The operation failed.

#### 3.1.5.16.2.2.2 CreateLabel

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Label

Creates a new **Label** (section [3.1.5.10](#)) for this **Term** (section [3.1.5.16](#)).

**Parameters:**

*labelName*: The new **Label** name.

Type: CSOM String

*lcid*: The language code identifier (LCID) to create the **Label** for.

Type: CSOM Int32

*isDefault*: Indicates whether this **Label** will be the default **Label** of the *lcid*.

Type: CSOM Boolean

**Remarks:**

The *labelName* value will be normalized to trim consecutive spaces into one and replace the "&" character with the wide character version of the character (\uFF06). It MUST NOT be empty, exceed 255 characters, or contain any of the following characters: ; " < > | & or the tab character.

The name of the **Label** object is not case-sensitive. If the name to be created is a non-default **Label**, it MUST NOT have the same name as any existing **Label** of the *lcid*. If it is a default **Label**, then it can have the same name as existing **Label**. Instead of creating a new **Label**, the existing **Label** will become the default **Label** for the *lcid*.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client does not have sufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.
- 2147024809	<b>ArgumentException</b>	The label name is not valid, it contains characters that are not valid, or is too long.
- 2147467261	<b>ArgumentNullException</b>	The label name is <b>null</b> or an empty string.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not a supported language in the term store.
- 2147024809	<b>ArgumentException</b>	The <b>Label</b> will be created as a non-default <b>Label</b> , and the name already exists for this <i>lcid</i> .

**3.1.5.16.2.2.3 CreateTerm**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new **Term** (section [3.1.5.16](#)) object under this **TaxonomyItem** (section [3.1.5.14](#)) object. The name is the default **Label** (section [3.1.5.10](#)) for the specified language code identifier (LCID).

**Parameters:**

*name*: Default label for the *lcid*.

Type: CSOM String

*lcid*: The LCID to create the **Label** for.

Type: CSOM Int32

*newTermId*: The GUID for the **Term**.

Type: CSOM GUID

#### Remarks:

If the specified LCID is not the default language of the **TermStore** (section [3.1.5.23](#)), a **Label** (section [3.1.5.10](#)) with the name and the default language of the **TermStore** will also be created to ensure the **Term** has a default **Label** for the default language of the **TermStore**.

If the current **TermSetItem** (section [3.1.5.22](#)) is the keyword **TermSet**, then the **Label** is always created for the **TermStore** default language.

The *Name* value will be normalized to trim consecutive spaces into one and replace the "&" character with the wide character version of the character (\uff06). It MUST NOT be empty, exceed 255 characters, or contain any of the following characters: ; " < > | & or the tab character.

The current user will be set as the owner of the new **Term**.

If the *newTermId* already exists in the **TermStore**, an exception will be thrown.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

#### Exceptions:

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.
-1	<b>TermStoreOperationException</b>	Keyword term set (section <a href="#">3.1.5.20</a> ) only allows a flat list of <b>Term</b> objects.
-2147024809	<b>ArgumentException</b>	The name is not valid, it contains characters that are not valid, or is too long.
-2147467261	<b>ArgumentNullException</b>	The <i>name</i> is <b>null</b> or empty string.
-2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not valid.

#### 3.1.5.16.2.2.4 GetAllLabels

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.LabelCollection

Specifies all of the **Label** (section [3.1.5.10](#)) objects in the provided language code identifier (LCID).

#### Parameters:

*lcid*: The LCID that the **Label** objects are associated with.

Type: CSOM Int32

**Remarks:**

If **Label** objects exist for the specified *lcid*, the default **Label** is added first to the **LabelCollection** (section [3.1.5.11](#)) object, followed by the non-default **Labels**.

**Exceptions:**

Error Code	Error Type Name	Condition
-2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not valid.

### 3.1.5.16.2.2.5 GetTerms

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

The **GetTerms** method returns all **Term** (section [3.1.5.16](#)) instances that are descendants of the current **Term** with a **Label** (section [3.1.5.10](#)) in the provided language code identifier (LCID) and that match the **Label** name string provided. This method only checks default **Labels** if *defaultLabelOnly* is **true**.

**Parameters:**

*termLabel*: The term label name to match against.

Type: CSOM String

*lcid*: This method searches only labels in this LCID.

Type: CSOM Int32

*defaultLabelOnly*: Indicates whether to search only default labels.

Type: CSOM Boolean

*stringMatchOption*: Indicates whether the search is exact match or starts with the string.

Type: Microsoft.SharePoint.Client.Taxonomy.StringMatchOption

*resultCollectionSize*: Maximum number of results returned.

Type: CSOM Int32

*trimUnavailable*: Indicates whether to include not available for tagging **Term** in the results.

Type: CSOM Boolean

**Remarks:**

The *termLabel* value will be normalized to trim consecutive spaces into one, and replace the "&" character with the wide character version of the character (\uff06). It MUST NOT be empty, exceed 255 characters, or contain any of the following characters: ; " < > | & or the tab character.

The search results are directly from **TermStore** (section [3.1.5.23](#)). The results are not necessarily in sync with changes that have been made but not committed.



**Exceptions:**

Error Code	Error Type Name	Condition
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not a supported language in the term store.
- 2147024809	<b>ArgumentException</b>	The <i>termLabel</i> is not valid: contains characters that are not valid or is too long.
- 2147467261	<b>ArgumentNullException</b>	The <i>termLabel</i> is <b>null</b> , or an empty string.

**3.1.5.16.2.2.6 Merge**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Merges the current **Term** (section [3.1.5.16](#)) object with the specified **Term** and returns the combined **Term**.

**Parameters:**

*termToMerge*: The **Term** to merge into.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

**Remarks:**

The current **Term** is the **Term** to merge from, and the *termToMerge* is the **Term** to merge into, otherwise called the target **Term**. After the **Merge** operation is complete, both **Term** objects become reused, and the *targetTerm* becomes the source of the reused **Term** objects. The target **Term** GUID becomes the GUID of the merged **Term**. The current **Term** GUID is added to **MergedTermIds** (section [3.1.5.16.1.1.17](#)).

The **Term** GUID in the custom sort order of the parents of the current **Term**, or any of its reused copies, is updated with the target **Term** GUID.

The custom sort order is merged in the following way: if the target **Term** has a custom sort order, then the source **Term** sort order is appended to it. Otherwise, if the target **Term** does not have a custom sort order but the source **Term** does, then a custom sort order is enforced based on the alphabetical order in the current working language **WorkingLanguage** (section [3.1.5.23.1.1.6](#)), and the source **Term** custom sort order is appended to it.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147467261	<b>ArgumentNullException</b>	The <b>Term</b> to merge into is <b>null</b> .
- 2147024809	<b>ArgumentException</b>	The <b>Term</b> to merge into is not valid.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.

Error Code	Error Type Name	Condition
-1	<b>TermStoreOperationException</b>	Cannot merge a <b>Term</b> to its reused <b>Term</b> .
-1	<b>TermStoreOperationException</b>	Only a source <b>Term</b> can be merged into another source <b>Term</b> .
-1	<b>TermStoreOperationException</b>	Merge is not allowed for the two specified <b>Term</b> objects. The source <b>Term</b> and the target <b>Term</b> of the merge operation are reused in the same <b>TermSet</b> object, and <b>MUST</b> be siblings in that <b>TermSet</b> so that they can be merged.
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.

### 3.1.5.16.2.2.7 ReuseTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new reused **Term** (section [3.1.5.16](#)) object under this **TaxonomyItem** (section [3.1.5.14](#)) object based on a source **Term**.

**Parameters:**

*sourceTerm*: The source **Term** for the reused **Term**.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

*reuseBranch*: Reuses the **TermSetItem** (section [3.1.5.22](#)) and its child **Term** objects.

Type: CSOM Boolean

**Remarks:**

Reuses a term from a different **TermSet** to become a child of the current **TermSetItem** (section [3.1.5.22](#)). The target **TermSet** cannot be the keyword or orphaned terms term set. Keywords cannot be reused.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.
-1	<b>TermStoreOperationException</b>	Keywords are not allowed to be reused.
-1	<b>TermStoreOperationException</b>	Reusing a deprecated <b>Term</b> is not allowed.
-1	<b>TermStoreOperationException</b>	<b>Term</b> objects cannot be shared multiple times in the same <b>TermSet</b> (section <a href="#">3.1.5.20</a> ).

Error Code	Error Type Name	Condition
-1	<b>TermStoreOperationException</b>	The target <b>TermSet</b> cannot be the keywords term set or the orphaned terms term set.
-2147467261	<b>ArgumentNullException</b>	The source <b>Term</b> is <b>null</b> or not valid

### 3.1.5.16.2.2.8 ReuseTermWithPinning

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new **Term** (section [3.1.5.16](#)) under this **TaxonomyItem** (section [3.1.5.14](#)) instance based on a source term and makes this **Term** pinned so that only the local custom properties, **IsAvailableForTagging** (section [3.1.5.20.1.1.7](#)) and custom sort order for this term set can be changed in this term set.

**Parameters:**

*sourceTerm*: The source term.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

### 3.1.5.17 Microsoft.SharePoint.Client.Taxonomy.TermCollection

**TypeId:** {AC6D0DA8-9769-4425-A395-6413A9A0367E}

**ShortName:** SP.Taxonomy.TermCollection

Represents collection of **Term** (section [3.1.5.16](#)) objects.

#### 3.1.5.17.1 Properties

##### 3.1.5.17.1.1 Scalar Properties

None.

##### 3.1.5.17.1.2 ObjectPath Properties

None.

#### 3.1.5.17.2 Methods

##### 3.1.5.17.2.1 Scalar Methods

None.

##### 3.1.5.17.2.2 ObjectPath Methods

###### 3.1.5.17.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Returns the **Term** (section [3.1.5.16](#)) specified by its GUID index.

**Parameters:**

*index*: The GUID index of the **Term** to be returned.

Type: CSOM GUID

**3.1.5.17.2.2.2 GetByName**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Returns the **Term** (section [3.1.5.16](#)) specified by its index name.

**Parameters:**

*index*: The index name of the **Term** to be returned.

Type: CSOM String

**3.1.5.18 Microsoft.SharePoint.Client.Taxonomy.TermGroup**

**TypeId:** {65D76872-0B65-42DE-8EBD-D76F6D3491C6}

**ShortName:** SP.Taxonomy.TermGroup

Represents the top-level container in a **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

The **TermGroup** object derives from the **TaxonomyItem** (section [3.1.5.14](#)) base object.

**3.1.5.18.1 Properties****3.1.5.18.1.1 Scalar Properties****3.1.5.18.1.1.1 CreatedDate**

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when this item was created.

**3.1.5.18.1.1.2 Description**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description of this **TermGroup** (section [3.1.5.18](#)) object.

**3.1.5.18.1.1.3 Id**

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the identifier of the current **TaxonomyItem** (section [3.1.5.14](#)) object.

#### 3.1.5.18.1.1.4 IsSiteCollectionGroup

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies information about whether this **TermGroup** (section [3.1.5.18](#)) object is used only by a specific Site Collection (section [3.1.5.19](#)).

#### 3.1.5.18.1.1.5 IsSystemGroup

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies information about whether this **TermGroup** (section [3.1.5.18](#)) object is the system **TermGroup**. The system **TermGroup** is the **TermGroup** where **TermSet** (section [3.1.5.20](#)) objects are used by the system itself.

#### 3.1.5.18.1.1.6 LastModifiedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when this item was most recently updated.

#### 3.1.5.18.1.1.7 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of this **TermGroup** (section [3.1.5.18](#)) object.

### 3.1.5.18.1.2 ObjectPath Properties

#### 3.1.5.18.1.2.1 TermSets

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

**Accessibility:** Read Only

Specifies a collection of the child **TermSet** (section [3.1.5.20](#)) instances of this **TermGroup** (section [3.1.5.18](#)).

#### 3.1.5.18.1.2.2 TermStore

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

**Accessibility:** Read Only

Specifies the **TermStore** (section [3.1.5.23](#)) object from which the current **TaxonomyItem** (section [3.1.5.14](#)) was retrieved.

## 3.1.5.18.2 Methods

### 3.1.5.18.2.1 Scalar Methods

#### 3.1.5.18.2.1.1 DeleteObject

**Return Type:** None

Deletes this **TermGroup** (section [3.1.5.18](#)) from the **TermStore** (section [3.1.5.23](#)) object.

**Parameters:** None

#### 3.1.5.18.2.1.2 ExportObject

**Return Type:** CSOM String

This method is not implemented.

**Parameters:** None

#### 3.1.5.18.2.1.3 NormalizeName

This method is a static CSOM method.

**Return Type:** CSOM String

Normalizes a name of a **TaxonomyItem** (section [3.1.5.14](#)) object.

**Parameters:**

*name*: The name to normalize.

Type: CSOM String

### 3.1.5.18.2.2 ObjectPath Methods

#### 3.1.5.18.2.2.1 CreateTermSet

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

Creates a new **TermSet** (section [3.1.5.20](#)) object in the current **TermGroup** (section [3.1.5.18](#)) object by using the provided language and the specified unique identifier.

**Parameters:**

*name*: The name of the new **TermSet** object that is being created.

Type: CSOM String

*newTermSetId*: The unique identifier of the new **TermSet** object that is being created.

Type: CSOM GUID

*lcid*: The language code identifier (LCID) for the language that the new **TermSet** name is written in.

Type: CSOM Int32

### 3.1.5.18.2.2.2 GetChanges

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemCollection

Specifies a collection of **ChangedItem** (section [3.1.5.2](#)) objects that represent changes to this **TermGroup** (section [3.1.5.18](#)) since a specified time.

**Parameters:**

*changeInformation*: A Coordinated Universal Time (UTC) indicating the earliest change to be returned, as specified by **ChangeInformation** (section [3.1.5.26](#)).

Type: Microsoft.SharePoint.Client.Taxonomy.ChangeInformation

### 3.1.5.18.2.2.3 GetTermSetsWithCustomProperty

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

Gets a collection of all of the **TermSet** (section [3.1.5.20](#)) objects in this **Group** (section [3.1.5.18](#)) that the current user has permissions to read, that have a custom property matching the criteria provided.

**Remarks:**

The **CustomPropertyMatchInformation** (section [3.1.5.29](#)) values that are set MUST be one of these combinations:

- **CustomPropertyMatchInformation.CustomPropertyName.**
- **CustomPropertyMatchInformation.CustomPropertyName** and **CustomPropertyMatchInformation.CustomPropertyValue.**
- **CustomPropertyMatchInformation.CustomPropertyName, CustomPropertyMatchInformation.CustomPropertyValue, and CustomPropertyMatchInformation.StringMatchOption.**
- **CustomPropertyMatchInformation.CustomPropertyName, CustomPropertyMatchInformation.CustomPropertyValue, CustomPropertyMatchInformation.StringMatchOption, and CustomPropertyMatchInformation.ResultCollectionSize.**

If the combination of **CustomPropertyMatchInformation** values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **CustomPropertyMatchInformation.CustomPropertyName** (section [3.1.5.29.1.1.1](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain any of the following illegal characters: ; " < > | & tab

The **CustomPropertyMatchInformation.CustomPropertyValue** (section [3.1.5.29.1.1.2](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain the illegal characters \t or \n.

The search is case-insensitive, and will match either the entire value or the custom property name or value, or only check that it starts with the specified string depending on the value of the **CustomPropertyMatchInformation.StringMatchOption** (section [3.1.5.29.1.1.4](#)) parameter.

The **CustomPropertyMatchInformation.ResultCollectionSize** (section [3.1.5.29.1.1.3](#)) value MUST be greater than 0. The maximum number of results returned from this search is restricted by the **CustomPropertyMatchInformation.ResultCollectionSize** parameter. If **CustomPropertyMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

**Exceptions:**

Error Code	Error Type Name	Condition
- 214702480 9	<b>ArgumentException</b>	Incorrect combination of <b>CustomPropertyMatchInformation</b> settings provided.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyName</b> is invalid. It either contains invalid characters or is too long.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It exceeds the maximum allowed length of 255.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It contains invalid character '\t', '\n', or both.
- 214702480 9	<b>ArgumentException</b>	<b>CustomPropertyMatchInformation.TrimUnavailable</b> MUST NOT be set.
- 214746726 1	<b>ArgumentNullException</b>	Some <b>CustomPropertyMatchInformation</b> settings MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyName</b> MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyValue</b> MUST NOT be <b>null</b> or empty.
- 214623308 6	<b>ArgumentOutOfRangeException</b>	The <b>CustomPropertyMatchInformation.ResultCollectionSize</b> is invalid. It MUST be greater than 0.

**Parameters:**

*customPropertyMatchInformation*: Indicates the search criteria to use when retrieving **TermSet** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation



### 3.1.5.19 Microsoft.SharePoint.Client.Taxonomy.TermGroupCollection

**TypeId:** {FEF2ACDD-8FB1-40B9-A8B0-CCD9512A9105}

**ShortName:** SP.Taxonomy.TermGroupCollection

A collection of **TermGroup** (section [3.1.5.18](#)) objects.

#### 3.1.5.19.1 Properties

##### 3.1.5.19.1.1 Scalar Properties

None.

##### 3.1.5.19.1.2 ObjectPath Properties

None.

#### 3.1.5.19.2 Methods

##### 3.1.5.19.2.1 Scalar Methods

None.

##### 3.1.5.19.2.2 ObjectPath Methods

###### 3.1.5.19.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

Returns the **TermGroup** (section [3.1.5.18](#)) specified by its GUID index.

**Parameters:**

*index:* The GUID index of the **TermGroup**.

Type: CSOM GUID

###### 3.1.5.19.2.2.2 GetByName

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

Returns the **TermGroup** (section [3.1.5.18](#)) specified by its index name.

**Parameters:**

*index:* The name of the **TermGroup** index.

Type: CSOM String

### 3.1.5.20 Microsoft.SharePoint.Client.Taxonomy.TermSet

**TypeId:** {E26FEB13-2940-4DB9-A52B-12B160113A80}

**ShortName:** SP.Taxonomy.TermSet

Represents a hierarchical or flat set of **Term** (section [3.1.5.16](#)) objects known as a term set.

The **TermSet** object contains one or more child **Term** objects, and the root level of the hierarchy can be accessed through the **Terms** (section [3.1.5.20.1.2.2](#)) property. Get child **Term** objects by using search methods, such as **GetTerms** (section [3.1.5.20.2.2.6](#)). Permissions for editing the **TermSet** object and its child **Term** objects are defined on the parent **TermGroup** (section [3.1.5.18](#)) object of the current **TermSet**.

The **TermSet** object also provides properties to get and set values of the **TermSet**, such as name and description, and a way to delete **TermSet** objects. Additionally, the **TermSet** object provides methods for checking changes on the **TermSet**.

The **TermSet** object derives from the **TermSetItem** (section [3.1.5.22](#)) base object, which provides additional behavior such as the ability to create child **Term** objects.

### 3.1.5.20.1 Properties

#### 3.1.5.20.1.1 Scalar Properties

##### 3.1.5.20.1.1.1 Contact

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **contact (3)** for the current **TermSet** (section [3.1.5.20](#)) object.

**Remarks:**

It is recommended that the **Contact** value be an email address for a user who can be contacted for term suggestions and feedback. Contact (3) information cannot be set on the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set. The operation failed.
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.

##### 3.1.5.20.1.1.2 CreatedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when this item was created.

##### 3.1.5.20.1.1.3 CustomProperties

**Type:** CSOM dictionary

**Accessibility:** Read Only

Specifies the custom properties for this **TermSet** (section [3.1.5.20](#)).

#### 3.1.5.20.1.1.4 CustomSortOrder

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the custom sort order of the current **Term** (section [3.1.5.16](#)) object.

The property value is a string composed of the child **Term GUIDs** that are separated by a colon. When the custom sort order is **null** or empty, the child **Term** objects of the current **Term** is sorted alphabetically based on the working language of the current **TermStore** (section [3.1.5.23](#)) object.

##### Remarks:

If the custom sort order value contains invalid GUID or one of the GUIDs does not belong to its child **Term** objects, then it is ignored. If any child **Term** GUID is not included, then they will be sorted alphabetically following the **Term** objects with custom sort order.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

##### Exceptions:

Error Code	Error Type Name	Condition
-1	<b>InvalidOperationException</b>	The current <b>Term</b> is invalid.
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.

#### 3.1.5.20.1.1.5 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the description for the current **TermSet** (section [3.1.5.20](#)) object.

##### Remarks:

The description can be **null** or empty. The description cannot exceed 1000 characters, and it cannot contain any tab characters. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

##### Exceptions:

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-2147024809	<b>ArgumentException</b>	The input description value is too long or contains characters that are not valid.

Error Code	Error Type Name	Condition
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.

### 3.1.5.20.1.1.6 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the GUID identifier of the current **TaxonomyItem** (section [3.1.5.14](#)).

### 3.1.5.20.1.1.7 IsAvailableForTagging

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies whether the **TermSet** (section [3.1.5.20](#)) object appears in the tagging user interface.

#### Remarks:

The property cannot be set in the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

#### Exceptions:

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set (section <a href="#">3.1.5.20</a> ). The operation failed.
-1	<b>TermStoreOperationException</b>	Modifying tagging related properties of the orphaned terms term set is not allowed.

### 3.1.5.20.1.1.8 IsOpenForTermCreation

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Indicates whether the **TermSet** can be updated by all users, or alternatively just by the specified contributors for the **TermGroup** (section [3.1.5.18](#)) object.

#### Exceptions:

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term

Error Code	Error Type Name	Condition
		set (section <a href="#">3.1.5.20</a> ). The operation failed.
-1	<b>TermStoreOperationException</b>	Modifying tagging related properties of the orphaned terms term set is not allowed.

**Remarks:**

A **true** value indicates that all users can add terms to the current **TermSet**. A value of **false** indicates that only contributors assigned to the **TermGroup** can add terms to the current **TermSet**. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**3.1.5.20.1.1.9 LastModifiedDate**

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when this item was most recently updated.

**3.1.5.20.1.1.10 Name**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name for the current **TermSet** (section [3.1.5.20](#)) object.

**Remarks:**

Retrieving this property gets the name of the **TermSet** in the current **WorkingLanguage** (section [3.1.5.23.1.1.6](#)) property. If there is no name available for the **WorkingLanguage**, then the name for the **DefaultLanguage** is returned. Setting this property sets the name for the current **WorkingLanguage**. The name cannot exceed 255 characters, and it cannot contain the following characters: ; " < > | & or the tab character. Renaming is not permitted on any system term set objects, such as the keywords term set or the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-2147024809	<b>ArgumentException</b>	The value is invalid. It either contains invalid characters or is too long.
-1	<b>TermStoreOperationException</b>	The renaming of a system term set is not allowed.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set. The operation failed.
-2147467261	<b>ArgumentNullException</b>	The name cannot be <b>null</b> or empty.

### 3.1.5.20.1.1.11 Owner

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the user who is responsible for the current **TermSet** (section [3.1.5.20](#)).

Returns the login name of the user who is the owner of the **TermSet**.

**Remarks:**

The **Owner** value can be an empty string. It cannot exceed 255 characters. **Owner** cannot be set on the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
- 2147024809	<b>ArgumentException</b>	The user name is too long.
- 2147024809	<b>ArgumentException</b>	The user name cannot be found.
- 2147467261	<b>ArgumentNullException</b>	The value is <b>null</b> .
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set. The operation failed.

### 3.1.5.20.1.1.12 Stakeholders

**Type:** CSOM array of CSOM String

**Accessibility:** Read Only

Gets the collection of stakeholders for the current **TermSet** (section [3.1.5.20](#)) object.

A stakeholder is a user who has an interest in the current **TermSet**. A **TermSet** can have 0 or more stakeholders. The returned collection may be empty. The returned collection is read-only. To add a stakeholder, use the **AddStakeholder** (section [3.1.5.20.2.1.8](#)) method. To delete a stakeholder, use the **DeleteStakeholder** (section [3.1.5.20.2.1.9](#)) method.

### 3.1.5.20.1.2 ObjectPath Properties

#### 3.1.5.20.1.2.1 Group

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

**Accessibility:** Read Only

Specifies the parent **TermGroup** (section [3.1.5.18](#)) object of the current **TermSet** (section [3.1.5.20](#)) object.

### 3.1.5.20.1.2.2 Terms

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

**Accessibility:** Read Only

Specifies a collection of child **Term** (section [3.1.5.16](#)) objects at the root of the **TermSet** (section [3.1.5.20](#)) object.

**Remarks:**

The return **TermCollection** (section [3.1.5.17](#)) is sorted based on the custom sort order. If there is no custom sort order defined, then it is sorted by label based on the alphabetical order of the **WorkingLanguage** (section [3.1.5.23.1.1.6](#)) property.

### 3.1.5.20.1.2.3 TermStore

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

**Accessibility:** Read Only

Specifies the **TermStore** (section [3.1.5.23](#)) object from which the current **TaxonomyItem** (section [3.1.5.14](#)) was retrieved.

## 3.1.5.20.2 Methods

### 3.1.5.20.2.1 Scalar Methods

#### 3.1.5.20.2.1.1 DeleteCustomProperty

**Return Type:** None

Deletes a custom property for this **TermSet** (section [3.1.5.20](#)).

**Parameters:**

*name:* The name of the custom property to be deleted.

Type: CSOM String

#### 3.1.5.20.2.1.2 DeleteObject

**Return Type:** None

Deletes the current **TermSet** (section [3.1.5.20](#)) from the current **TermGroup** (section [3.1.5.18](#)) object.

**Remarks:**

This method deletes the current **TermSet** object and all of its child **Term** (section [3.1.5.16](#)) objects. Any source **Term** members in the current **TermSet** object that are reused in other **TermSet** objects will be moved to the orphaned terms term set. The **DeleteObject** operation is not permitted on any system term set object, such as the keywords term set or the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set. The operation failed.
-1	<b>TermStoreOperationException</b>	Deleting a system term set is not allowed.

**Parameters:** None

### 3.1.5.20.2.1.3 ExportObject

**Return Type:** CSOM String

This method is not implemented.

**Parameters:** None

### 3.1.5.20.2.1.4 Move

**Return Type:** None

Moves the current **TermSet** (section [3.1.5.20](#)) into a different **TermGroup** (section [3.1.5.18](#)) object.

**Parameters:**

*targetGroup*: The **TermGroup** (section [3.1.5.18](#)) into which the current **TermSet** is moved.

Type: Microsoft.SharePoint.Client.Taxonomy.TermGroup

**Remarks:**

Moves the current **TermSet** and all of its child **Term** (section [3.1.5.16](#)) objects from the current **TermGroup** to the target **TermGroup**. **Move** is not permitted on any system term set objects, such as the keywords term set or the orphaned terms term set. Moving a **TermSet** to the System **TermGroup** is also not permitted. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
- 2147467261	<b>ArgumentNullException</b>	The <i>targetGroup</i> MUST NOT be <b>null</b> .
-1	<b>TermStoreOperationException</b>	Moving a system term set is not allowed.
-1	<b>TermStoreOperationException</b>	Moving a <b>TermSet</b> to system <b>TermGroup</b> is not allowed.
-1	<b>TermStoreOperationException</b>	<b>TermSet</b> names MUST be unique within a <b>TermGroup</b> .



Error Code	Error Type Name	Condition
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set. The operation failed.

### 3.1.5.20.2.1.5 SetCustomProperty

**Return Type:** None

Adds a new custom property if one with the same name does not already exist. Updates the value of the property with the new value if the property already exists.

**Parameters:**

*name*: The name of the property to be updated.

Type: CSOM String

*value*: The value of the property to be added or updated.

Type: CSOM String

### 3.1.5.20.2.1.6 DeleteAllCustomProperties

**Return Type:** None

Deletes all of the custom properties from this **TermSet** (section [3.1.5.20](#)).

**Parameters:** None

### 3.1.5.20.2.1.7 NormalizeName

This method is a static CSOM method.

**Return Type:** CSOM String

Normalizes a name of a **TaxonomyItem** (section [3.1.5.14](#)) object.

**Parameters:**

*name*: The name to normalize.

Type: CSOM String

### 3.1.5.20.2.1.8 AddStakeholder

**Return Type:** None

Adds a stakeholder to the **TermSet** (section [3.1.5.20](#)) object.

**Remarks:**

A stakeholder is a user who has an interest in the current **TermSet** object. A **TermSet** can have 0 or more stakeholders.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

### Exceptions:

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
- 2147024809	<b>ArgumentException</b>	The <i>stakeholderName</i> is too long.
- 2147024809	<b>ArgumentException</b>	The <i>stakeholderName</i> cannot be found.
- 2147467261	<b>ArgumentNullException</b>	The <i>stakeholderName</i> is <b>null</b> or empty.

### Parameters:

*stakeholderName*: The login name of the user to be added as a stakeholder.

Type: CSOM String

### 3.1.5.20.2.1.9 DeleteStakeholder

**Return Type:** None

Deletes a stakeholder from the **TermSet** (section [3.1.5.20](#)) object.

### Remarks:

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

### Exceptions:

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
- 2147024809	<b>ArgumentException</b>	A stakeholder with the specified name was not found.

### Parameters:

*stakeholderName*: The login name of an existing stakeholder for the current **TermSet** object.

Type: CSOM String

### 3.1.5.20.2.2 ObjectPath Methods

#### 3.1.5.20.2.2.1 Copy

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

Creates a copy of the **TermSet** (section [3.1.5.20](#)) object under the current parent **TermGroup** (section [3.1.5.18](#)) object.

**Remarks:**

All **Term** (section [3.1.5.16](#)) objects in the current **TermSet** become reused by the new **TermSet**. The copied **TermSet** will have a variation of the original **TermSet** name, such as having the text 'Copy of ' prefixed to the name. **Copy** is not permitted on any system term set objects, such as the keywords term set or the orphaned terms term set. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set object. The operation failed.
-1	<b>TermStoreOperationException</b>	Copying a system term set is not allowed.

**Parameters:** None

**3.1.5.20.2.2.2 CreateTerm**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new **Term** (section [3.1.5.16](#)) object under this **TaxonomyItem** (section [3.1.5.14](#)) object. The name is the default **Label** (section [3.1.5.10](#)) for the specified language code identifier (LCID).

**Parameters:**

*name:* Default label for the LCID.

Type: CSOM String

*lcid:* LCID to create the label on.

Type: CSOM Int32

*newTermId:* GUID for the **Term**.

Type: CSOM GUID

**Remarks:**

If the specified LCID is not the default language of the **TermStore** (section [3.1.5.23](#)), a **Label** with the name and the default language of the **TermStore** will also be created to ensure the **Term** has a default **Label** for the default language of the **TermStore**.

If the current **TermSetItem** is the keyword **TermSet**, then **Label** is always created for the **TermStore** default language.

The name value will be normalized to trim consecutive spaces into one and replace the "&" character with the wide character version of the character (\uFF06). The leading and trailing spaces will be trimmed. It MUST NOT be empty, exceed 255 characters, or contain any of the following characters: ; " < > | & or the tab character.

The current user will be set as the owner of the new **Term**.

If the *newTermId* already exists in the **TermStore**, an exception will be thrown.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

#### Exceptions:

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is not valid in the orphaned terms term set. The operation failed.
-1	<b>TermStoreOperationException</b>	Keyword <b>TermSet</b> (section <a href="#">3.1.5.20</a> ) only allows a flat list of <b>Term</b> objects.
- 2147024809	<b>ArgumentException</b>	The name is not valid, it contains invalid characters, or is too long.
- 2147467261	<b>ArgumentNullException</b>	The <i>name</i> is <b>null</b> or an empty string.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not valid.

#### 3.1.5.20.2.2.3 GetAllTerms

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Returns a collection that contains a flat list of all **Term** (section [3.1.5.16](#)) objects in the **TermSet** (section [3.1.5.20](#)) object, as specified by **TermCollection** (section [3.1.5.17](#)).

#### Remarks:

This method is used to do bulk operations on all **Term** objects in a **TermSet** without traversing the hierarchy. There is no specific order to the **Term** objects in the collection. The collection includes deprecated term **Term** objects. To walk through the **Term** hierarchy, use the **Terms** (section [3.1.5.20.1.2.2](#)) property instead.

**Parameters:** None

#### 3.1.5.20.2.2.4 GetChanges

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemCollection

Specifies a collection of **ChangedItem** (section [3.1.5.2](#)) objects that represent changes to the current **TermSet** (section [3.1.5.20](#)) since a specified time.

#### Parameters:

*changeInformation*: A Coordinated Universal Time (UTC) indicating the earliest change to be included in the result collection, as specified by **ChangeInformation** (section [3.1.5.26](#)).

Type: Microsoft.SharePoint.Client.Taxonomy.ChangeInformation

### 3.1.5.20.2.2.5 GetTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Specifies a **Term** (section [3.1.5.16](#)) from the current **TermSet** (section [3.1.5.20](#)) based on its GUID identifier.

**Parameters:**

*termId*: The identifier of the **Term** to get.

Type: CSOM GUID

**Remarks:**

A **null** is returned if the **Term** cannot be found or if the user does not have sufficient permissions to access it.

### 3.1.5.20.2.2.6 GetTerms

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of all **Term** (section [3.1.5.16](#)) objects from the current **TermSet** (section [3.1.5.20](#)) object based on the label criteria provided.

**Remarks:**

The **LabelMatchInformation** values that are set MUST be one of these combinations:

- **LabelMatchInformation.TermLabel** and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.Lcid**, and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.DefaultLabelOnly**, **LabelMatchInformation.StringMatchOption**, **LabelMatchInformation.ResultCollectionSize**, and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.Lcid**, **LabelMatchInformation.DefaultLabelOnly**, **LabelMatchInformation.StringMatchOption**, **LabelMatchInformation.ResultCollectionSize**, and **LabelMatchInformation.TrimUnavailable**.

If the combination of **LabelMatchInformation** (section [3.1.5.30](#)) values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **LabelMatchInformation.TermLabel** (section [3.1.5.30.1.1.6](#)) cannot be null or empty, and MUST NOT exceed 255 characters in length. It also cannot contain any of the following illegal characters: ; " < > | & tab

The search is case-insensitive, and will match either the entire label or only check that it starts with the specified string depending on the value of the **LabelMatchInformation.StringMatchOption** (section [3.1.5.30.1.1.5](#)) parameter.

If **LabelMatchInformation.TrimUnavailable** (section [3.1.5.30.1.1.8](#)) is true, then terms that have **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) set to false will be trimmed from the

results; otherwise, all terms will be returned regardless of their **Term.IsAvailableForTagging** value.

If **LabelMatchInformation.Lcid** (section [3.1.5.30.1.1.3](#)) is specified, then a **Term** will be returned if a **Label** in the specified **Lcid** matches the string provided. If no **Lcid** is specified, then all **Term.Labels** (section [3.1.5.16.1.2.1](#)) in all working languages will be searched by this method. The **Lcid** value MUST be one of the working languages of the term store, specified by **TermStore.Languages** (section [3.1.5.23.1.1.4](#)).

If **LabelMatchInformation.DefaultLabelOnly** (section [3.1.5.30.1.1.1](#)) is true, then only the default labels will be searched.

The maximum number of results returned from this search is restricted by the **LabelMatchInformation.ResultCollectionSize** (section [3.1.5.30.1.1.4](#)) parameter. If **LabelMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

#### Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	<b>ArgumentException</b>	Incorrect combination of <b>LabelMatchInformation</b> settings provided.
- 2147024809	<b>ArgumentException</b>	Invalid value provided for one of the <b>LabelMatchInformation</b> settings.
- 2147024809	<b>ArgumentException</b>	The value of <b>LabelMatchInformation.TermLabel</b> is invalid. It either contains invalid characters or is too long.
- 2147467261	<b>ArgumentNullException</b>	Some <b>LabelMatchInformation</b> settings cannot be <b>null</b> or empty.
- 2147467261	<b>ArgumentNullException</b>	The <b>LabelMatchInformation.TermLabel</b> cannot be null or empty.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <b>LabelMatchInformation.Lcid</b> value MUST be one of the working languages in the current <b>TermStore</b> .

#### Parameters:

*labelMatchInformation*: Indicates the search criteria to use when retrieving **Term** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.LabelMatchInformation

### 3.1.5.20.2.2.7 GetTermsWithCustomProperty

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of all **Term** (section [3.1.5.16](#)) objects from the current **TermSet** (section [3.1.5.20](#)) object that have a custom property matching the criteria provided.

#### Remarks:

The **CustomPropertyMatchInformation** (section [3.1.5.29](#)) values that are set MUST be one of these combinations:

- **CustomPropertyMatchInformation.CustomPropertyName** and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.ResultCollectionSize**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, **CustomPropertyMatchInformation.StringMatchOption**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, **CustomPropertyMatchInformation.StringMatchOption**, **CustomPropertyMatchInformation.ResultCollectionSize**, and **CustomPropertyMatchInformation.TrimUnavailable**.

If the combination of **CustomPropertyMatchInformation** values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **CustomPropertyMatchInformation.CustomPropertyName** (section [3.1.5.29.1.1.1](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain any of the following illegal characters: ; " < > | & tab

The **CustomPropertyMatchInformation.CustomPropertyValue** (section [3.1.5.29.1.1.2](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain the illegal characters \t or \n.

The search is case-insensitive, and will match either the entire value or the custom property name or value, or only check that it starts with the specified string depending on the value of the **CustomPropertyMatchInformation.StringMatchOption** (section [3.1.5.29.1.1.4](#)) parameter. If the **CustomPropertyMatchInformation.StringMatchOption** is not set, it defaults to exact match.

The **CustomPropertyMatchInformation.ResultCollectionSize** (section [3.1.5.29.1.1.3](#)) value MUST be greater than 0. The maximum number of results returned from this search is restricted by the **CustomPropertyMatchInformation.ResultCollectionSize** parameter. If **CustomPropertyMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

If **CustomPropertyMatchInformation.TrimUnavailable** (section [3.1.5.29.1.1.5](#)) is set to true, then **Term** objects that have **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) set to false will be trimmed from the results; otherwise, all matching terms will be returned regardless of their **Term.IsAvailableForTagging** value.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

#### Exceptions:

Error Code	Error Type Name	Condition
- 214702480 9	<b>ArgumentException</b>	Incorrect combination of <b>CustomPropertyMatchInformation</b> settings provided.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyName</b> is invalid. It either contains invalid characters or is too long.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It exceeds the maximum allowed length of 255.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It contains invalid character '\t', '\n', or both.
- 214746726 1	<b>ArgumentNullException</b>	Some <b>CustomPropertyMatchInformation</b> settings MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyName</b> MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyValue</b> MUST NOT be <b>null</b> or empty.
- 214623308 6	<b>ArgumentOutOfRangeException</b>	The <b>CustomPropertyMatchInformation.ResultCollectionSize</b> is invalid. It MUST be greater than 0.

**Parameters:**

*customPropertyMatchInformation*: Indicates the search criteria to use when retrieving **Term** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation

### 3.1.5.20.2.2.8 ReuseTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new reused **Term** (section [3.1.5.16](#)) object under this **TaxonomyItem** (section [3.1.5.14](#)) object based on a **source term**.

**Parameters:**

*sourceTerm*: The source **Term** for the reused **Term**.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

*reuseBranch*: Reuses the **TermSetItem** (section [3.1.5.22](#)) and its child **Term** objects.

Type: CSOM Boolean



**Remarks:**

Reuses a **Term** (section [3.1.5.16](#)) from a different **TermSet** to become a child of the current **TermSetItem**. The target **TermSet** cannot be the keyword or orphaned term **TermSet**. Keywords cannot be reused.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned term <b>TermSet</b> (section <a href="#">3.1.5.20</a> ). The operation failed.
-1	<b>TermStoreOperationException</b>	Keywords are not allowed to be reused.
-1	<b>TermStoreOperationException</b>	Reusing a deprecated term <b>Term</b> is not allowed.
-1	<b>TermStoreOperationException</b>	<b>Term</b> objects cannot be shared multiple times in the same <b>TermSet</b> .
-1	<b>TermStoreOperationException</b>	The target term set cannot be the keywords term set or the orphaned terms term set.
-2147467261	<b>ArgumentNullException</b>	The source <b>Term</b> is <b>null</b> or not valid.

**3.1.5.20.2.2.9 ReuseTermWithPinning**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Pins the given **Term** (section [3.1.5.16](#)) to the given target **TermSet** (section [3.1.5.20](#)).

**Parameters:**

*sourceTerm*: The source term.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

**3.1.5.21 Microsoft.SharePoint.Client.Taxonomy.TermSetCollection**

**TypeId:** {659DF998-3955-45FA-B64E-3D6CA277A97A}

**ShortName:** SP.Taxonomy.TermSetCollection

Represents a collection of **TermSet** (section [3.1.5.20](#)) objects.

**3.1.5.21.1 Properties****3.1.5.21.1.1 Scalar Properties**

None.

### 3.1.5.21.1.2 ObjectPath Properties

None.

### 3.1.5.21.2 Methods

#### 3.1.5.21.2.1 Scalar Methods

None.

#### 3.1.5.21.2.2 ObjectPath Methods

##### 3.1.5.21.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

Returns a **TermSet** (section [3.1.5.20](#)) specified by its GUID index.

**Parameters:**

*index:* The index of the **TermSet** to be returned.

Type: CSOM GUID

##### 3.1.5.21.2.2.2 GetByName

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

Returns the **TermSet** (section [3.1.5.20](#)) specified by its index name.

**Parameters:**

*index:* The index name of the **TermSet**.

Type: CSOM String

### 3.1.5.22 Microsoft.SharePoint.Client.Taxonomy.TermSetItem

**TypeId:** {A99E4A8F-010B-4E56-9B29-B7BD6EC51263}

**ShortName:** SP.Taxonomy.TermSetItem

Provides an abstraction of the **TaxonomyItem** (section [3.1.5.14](#)) object that is a parent of **Term** (section [3.1.5.16](#)) objects.

**TermSetItem** is an abstract class and MUST be overridden. It contains references to the parts that define a **TaxonomyItem**; for example, **Name** (section [3.1.5.22.1.1.7](#)), **Id** (section [3.1.5.22.1.1.4](#)), and so on. **TermSetItem** also contains a collection of child **Term** objects and provides an interface to retrieve or update the child **Term** objects. If the **TermSetItem** is an orphaned term or keyword, it MUST NOT have any child objects.

Each **TermSetItem** has a user associated with it as the owner. It contains a flag that indicates whether it can be used in the tagging user interface. It also has a **CustomSortOrder** (section [3.1.5.22.1.1.3](#)) property that defines the sort order of the child **Terms**.

### 3.1.5.22.1 Properties

#### 3.1.5.22.1.1 Scalar Properties

##### 3.1.5.22.1.1.1 CreatedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when this item was created.

##### 3.1.5.22.1.1.2 CustomProperties

**Type:** CSOM dictionary

**Accessibility:** Read Only

Specifies the collection of effective custom property instances for this **Term** (section [3.1.5.16](#)) or **TermSet** (section [3.1.5.20](#)).

##### 3.1.5.22.1.1.3 CustomSortOrder

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the custom sort order for the child items of the current item.

##### 3.1.5.22.1.1.4 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the GUID identifier of the current **TaxonomyItem** (section [3.1.5.14](#)) object.

##### 3.1.5.22.1.1.5 IsAvailableForTagging

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies the information about whether the **TaxonomyItem** (section [3.1.5.14](#)) appears in the tagging user interface.

##### 3.1.5.22.1.1.6 LastModifiedDate

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when this item was most recently updated.

### 3.1.5.22.1.1.7 Name

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the current **TaxonomyItem** (section [3.1.5.14](#)) object.

### 3.1.5.22.1.1.8 Owner

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the name of the protocol client user who is responsible for this **TaxonomyItem** (section [3.1.5.14](#)) object.

## 3.1.5.22.1.2 ObjectPath Properties

### 3.1.5.22.1.2.1 Terms

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

**Accessibility:** Read Only

Gets a collection of the child **Term** (section [3.1.5.16](#)) objects of this **TaxonomyItem** (section [3.1.5.14](#)).

Returns a **TermCollection** (section [3.1.5.17](#)).

### 3.1.5.22.1.2.2 TermStore

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

**Accessibility:** Read Only

Gets the **TermStore** (section [3.1.5.23](#)) object from which the current **TaxonomyItem** (section [3.1.5.14](#)) was retrieved.

## 3.1.5.22.2 Methods

### 3.1.5.22.2.1 Scalar Methods

#### 3.1.5.22.2.1.1 DeleteCustomProperty

**Return Type:** None

Deletes a custom property.

**Parameters:**

*name*: the name of the property to be deleted.

Type: CSOM String

### 3.1.5.22.2.1.2 DeleteObject

**Return Type:** None

Deletes the current **TaxonomyItem** (section [3.1.5.22](#)) object.

**Parameters:** None

### 3.1.5.22.2.1.3 SetCustomProperty

**Return Type:** None

Adds a new custom property or updates the value of an existing property.

**Parameters:**

*name:* The custom property name to set.

Type: CSOM String

*value:* The value to set for the specified custom property.

Type: CSOM String

### 3.1.5.22.2.1.4 DeleteAllCustomProperties

**Return Type:** None

Deletes all custom properties.

**Parameters:** None

### 3.1.5.22.2.1.5 NormalizeName

This method is a static CSOM method.

**Return Type:** CSOM String

Normalizes a name of a **TaxonomyItem** (section [3.1.5.14](#)) object.

**Parameters:**

*name:* The name to normalize.

Type: CSOM String

## 3.1.5.22.2.2 ObjectPath Methods

### 3.1.5.22.2.2.1 CreateTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new **Term** (section [3.1.5.16](#)) object under this **TaxonomyItem** (section [3.1.5.14](#)) object. The name is the default **Label** (section [3.1.5.10](#)) for the specified language code identifier (LCID).

**Parameters:**

*name:* Default label for the *lcid*.

Type: CSOM String

*lcid*: The LCID to create the label on.

Type: CSOM Int32

*newTermId*: GUID for the **Term**.

Type: CSOM GUID

#### Remarks:

If the specified LCID is not the default language of the **TermStore** (section [3.1.5.23](#)), a **Label** with the name and the default language of the **TermStore** will also be created to ensure the **Term** has a default **Label** for the default language of the **TermStore**.

If the current **TermSetItem** (section [3.1.5.22](#)) is the keyword **TermSet**, then **Label** is always created for the **TermStore** default language.

The name value will be normalized to trim consecutive spaces into one space and replace the "&" character with the wide character version of the character (\uFF06). The leading and trailing spaces will be trimmed. It MUST NOT be empty, exceed 255 characters, contain any of the following characters ;, ", <, >, | &, or the tab character.

The current user will be set as the owner of the new **Term**.

If the *newTermId* already exists in the **TermStore**, an exception will be thrown.

**CommitAll** (section [3.1.5.23.2.1.1](#)) method MUST be called to save this change to the database.

#### Exceptions:

Error Code	Error Type Name	Condition
-2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set. The operation failed.
-1	<b>TermStoreOperationException</b>	Keyword term set only allows a flat list of <b>Term</b> objects.
-2147024809	<b>ArgumentException</b>	The <i>name</i> is not valid, it contains characters that are not valid, or is too long.
-2147467261	<b>ArgumentNullException</b>	The <i>name</i> is <b>null</b> or an empty string.
-2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> is not valid.

### 3.1.5.22.2.2.2 ReuseTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new reused **Term** (section [3.1.5.16](#)) object under this **TaxonomyItem** (section [3.1.5.14](#)) object based on a source term.

**Parameters:**

*sourceTerm*: The source **Term** for the reused **Term**.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

*reuseBranch*: Reuses the **TermSetItem** (section [3.1.5.22](#)) and its child **Term** objects.

Type: CSOM Boolean

**Remarks:**

Reuses a **Term** from a different **TermSet** to become a child of the current **TermSetItem**. The target **TermSet** cannot be the keyword or orphaned term term set. Keywords cannot be reused.

**CommitAll** (section [3.1.5.23.2.1.1](#)) method **MUST** be called to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The current user has insufficient permissions to perform this operation.
-1	<b>TermStoreOperationException</b>	This operation is invalid in the orphaned terms term set. The operation failed.
-1	<b>TermStoreOperationException</b>	Keywords are not allowed to be reused.
-1	<b>TermStoreOperationException</b>	Reusing a deprecated <b>Term</b> is not allowed.
-1	<b>TermStoreOperationException</b>	Terms cannot be shared multiple times in the same term set.
-1	<b>TermStoreOperationException</b>	The target <b>TermSet</b> cannot be the keywords term set or the orphaned terms term set.
- 2147467261	<b>ArgumentNullException</b>	The source <b>Term</b> is <b>null</b> or not valid.

**3.1.5.22.2.2.3 GetTerms**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a paged collection containing the child **Term** objects of this **TermSetItem** object.

Returns a **TermCollection** (section [3.1.5.17](#)).

**Parameters:**

*pagingLimit*: The maximum number of items to return in the collection.

Type: CSOM Int32

**Remarks:**

This method has the same results as **Terms** (section [3.1.5.22.1.2.1](#)), except that it returns a collection that supports paging.

Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method before using a paged collection. The paged collection does not reflect uncommitted changes if the collection size is greater than the *pagingLimit*.

The returned term collection is sorted based on the custom sort order. If there is no custom sort order defined, then it is sorted based on alphabetic order of the **WorkingLanguage**. section [\(3.1.5.23.1.1.6\)](#) property values.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	The <i>pagingLimit</i> MUST be greater than zero.

### 3.1.5.22.2.2.4 ReuseTermWithPinning

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Creates a new **Term** (section [3.1.5.16](#)) under this **TaxonomyItem** (section [3.1.5.14](#)) based on a source term and makes this **Term** pinned so that only the local custom properties, **IsAvailableForTagging** (section [3.1.5.22.1.1.5](#)) and custom sort order for this **TermSet** (section [3.1.5.20](#)) can be changes in this **TermSet**.

**Parameters:**

*sourceTerm*: The source term.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

### 3.1.5.23 Microsoft.SharePoint.Client.Taxonomy.TermStore

**TypeId:** {9D8A8884-B1DC-4DBC-81C5-DDEA8AD3184C}

**ShortName:** SP.Taxonomy.TermStore

Represents a term store that contains metadata within child **TermGroup** (section [3.1.5.18](#)) objects, **TermSet** (section [3.1.5.20](#)) objects, and **Term** (section [3.1.5.16](#)) objects.

**Remarks:**

**TermStore** contains zero or more **TermGroup** objects, which are used to organize **Term** objects within **TermSets**. Access the groups through the **Groups** (section [3.1.5.23.1.2.1](#)) property.

The **TermStore** class also provides methods for creating new child **TermGroup** objects. Additionally, it provides properties that are used to get and set values of the **TermStore** object such as the set of working languages, and access to the keyword and orphaned term **TermSet** objects.

Use methods of the **TermStore** class such as the **GetTerms** (section [3.1.5.23.2.2.5](#)) and **GetTermSets** (section [3.1.5.23.2.2.7](#)) to search for and get **Term** and **TermSet** objects across all child groups.

Finally, the **TermStore** provides the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to commit changes to the protocol database. **CommitAll** is the only way to persist changes to the database when updates are made in child objects, such as **TermGroup**, **TermSet**, and **Term**.

The ContentTypePublishingHub property is not included in the **default scalar property set** for this type.



### 3.1.5.23.1 Properties

#### 3.1.5.23.1.1 Scalar Properties

##### 3.1.5.23.1.1.1 DefaultLanguage

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the language code identifier (LCID) of the default working language for the current **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

The **DefaultLanguage** property is one of the LCIDs in the **Languages** (section [3.1.5.23.1.1.4](#)) collection. Attempting to set a value that is not in the **Languages** collection automatically adds it to the **Languages** collection. Setting a new **DefaultLanguage** value is an expensive operation, which will create a new **Label** (section [3.1.5.10](#)) object for each **Term** in the **TermStore** if one does not already exist for the LCID of the new **DefaultLanguage**. If a new **Label** MUST be created on a **Term**, the value will be a copy of the value of the **Label** on that **Term** (section [3.1.5.16](#)) for the former **DefaultLanguage**. Generally the **DefaultLanguage** is used as the fallback language if a **WorkingLanguage** (section [3.1.5.23.1.1.6](#)) has not been specified for the current **TermStore** instance. For temporary language changing it is preferable to setting the **WorkingLanguage**. This method automatically calls **CommitAll** (section [3.1.5.23.2.1.1](#)), so any changes that are pending prior calling this method will automatically be persisted to the database.

##### 3.1.5.23.1.1.2 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the unique identifier of the **TermStore** (section [3.1.5.23](#)) object.

##### 3.1.5.23.1.1.3 IsOnline

**Type:** CSOM Boolean

**Accessibility:** Read Only

Indicates whether this **TermStore** (section [3.1.5.23](#)) is currently online, or available.

**Remarks:**

This property is **false** if a **TermStore** is not available or instantiated.

##### 3.1.5.23.1.1.4 Languages

**Type:** CSOM array of CSOM Int32

**Accessibility:** Read Only

Gets an integer collection of language code identifiers (LCIDs) that represent the working languages for this **TermStore** (section [3.1.5.23](#)).

### 3.1.5.23.1.1.5 Name

**Type:** CSOM String

**Accessibility:** Read Only

Gets the name of the current **TermStore** (section [3.1.5.23](#)) object.

### 3.1.5.23.1.1.6 WorkingLanguage

**Type:** CSOM Int32

**Accessibility:** Read/Write

Specifies the current working language of the **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

The **WorkingLanguage** is one of the LCIDs in the **Languages** (section [3.1.5.23.1.1.4](#)) collection. Values that are not present in the **Languages** collection are skipped. If a **WorkingLanguage** is not explicitly set, it defaults to the LCID of the current user interface culture if it is one of the **Languages**, or alternately it defaults to the **DefaultLanguage** (section [3.1.5.23.1.1.1](#)). Setting the **WorkingLanguage** only has affect during the lifetime of this current **TermStore** instance. The value is not persisted to the database. It is useful for purposes of switching languages temporarily in user interface code.

### 3.1.5.23.1.1.7 ContentTypePublishingHub

**Type:** CSOM String

**Accessibility:** Read Only

Gets the **Uniform Resource Identifier (URI)** of the site (2) used as the **content type** syndication hub [<1>](#), if the hub exists.

**Remarks:**

Returns **null** if the hub does not exist.

### 3.1.5.23.1.2 ObjectPath Properties

#### 3.1.5.23.1.2.1 Groups

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroupCollection

**Accessibility:** Read Only

Gets a collection of the child **TermGroup** (section [3.1.5.18](#)) objects of this **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

If the protocol client is a farm or tenant admin then all **TermGroup** objects will be returned, including **site collection groups**. Otherwise, all **global groups** will be returned, and only the site collection group for the current site (2) will be returned if it exists. A farm admin is a farm administrator who can manage the configuration of the full farm. A tenant admin is a tenant

administrator who can manage the configuration of farm administrator-delegated features and can manage all sites for their subscription from a single place, the tenant administration site.

#### 3.1.5.23.1.2.2 KeywordsTermSet

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

**Accessibility:** Read Only

Gets the **TermSet** (section [3.1.5.20](#)) object for this **TermStore** (section [3.1.5.23](#)) object.

**Remarks:**

Contains the set of keyword **Term** (section [3.1.5.16](#)) objects.

#### 3.1.5.23.1.2.3 OrphanedTermsTermSet

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

**Accessibility:** Read Only

Gets the **TermSet** (section [3.1.5.20](#)) for this **TermStore** (section [3.1.5.23](#)) that contains the orphaned terms.

#### 3.1.5.23.1.2.4 SystemGroup

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

**Accessibility:** Read Only

Gets the **TermGroup** (section [3.1.5.18](#)) object for this **TermStore** (section [3.1.5.23](#)) object, which contains the set of system term sets (keywords and orphaned terms)

#### 3.1.5.23.1.2.5 HashTagsTermSet

**Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

**Accessibility:** Read Only

Gets the **TermSet** (section [3.1.5.20](#)) object for this **TermStore** (section [3.1.5.23](#)), which contains the set of #tags.

**Remarks:**

The #tags are used in microblogging and newsfeeds.

### 3.1.5.23.2 Methods

#### 3.1.5.23.2.1 Scalar Methods

##### 3.1.5.23.2.1.1 CommitAll

**Return Type:** None

Commits all updates to the database that have occurred since the last commit or rollback.

When objects are edited in the **TermStore** object, or in child objects such as **TermGroup** (section [3.1.5.18](#)), **TermSet** (section [3.1.5.20](#)), or **Term** (section [3.1.5.16](#)), the changes are pending until the **CommitAll** method is called. After it is called, the updates that were made since the last **CommitAll** call are persisted to the term store's database. A successful call to **CommitAll** flushes the cache so that other consumers of the **TermStore** object will see the updates.

**CommitAll** is automatically called during each **ExecuteQuery** command.

**Parameters:** None

### 3.1.5.23.2.1.2 AddLanguage

**Return Type:** None

Adds a working language to the **TermStore** (section [3.1.5.23](#)) object.

**Parameters:**

*lcid*: The language code identifier (LCID) of the working language to add.

Type: CSOM Int32

**Remarks:**

Adding additional working languages enables **Label** (section [3.1.5.10](#)) objects to be added to **Term** (section [3.1.5.16](#)) objects in multiple languages, enables the addition of multiple languages for **TermSet** (section [3.1.5.20](#)) names, and so on. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.

### 3.1.5.23.2.1.3 DeleteLanguage

**Return Type:** None

Deletes a working language from the **TermStore** object.

**Parameters:**

*lcid*: The language code identifier (LCID) for the language to be deleted.

Type: CSOM Int32

**Remarks:**

The language being deleted cannot be the **DefaultLanguage** (section [3.1.5.23.1.1.1](#)) or the last language in the **Languages** (section [3.1.5.23.1.1.4](#)) collection. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	<b>TermStoreOperationException</b>	The last language cannot be deleted.
-1	<b>TermStoreOperationException</b>	The default language cannot be deleted.
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.

### 3.1.5.23.2.1.4 RollbackAll

**Return Type:** None

Discards all updates that have occurred since the last commit or rollback.

**Remarks:**

When objects are edited in the **TermStore** (section [3.1.5.23](#)) object, or in child objects such as **TermGroup** (section [3.1.5.18](#)), **TermSet** (section [3.1.5.20](#)), or **Term** (section [3.1.5.16](#)), the changes are pending until the **CommitAll** (section [3.1.5.23.2.1.1](#)) method or **RollbackAll** (section [3.1.5.23.2.1.4](#)) method is called. If **TermStore.RollbackAll** is called, the updates that were made since the last **TermStore.CommitAll** or **TermStore.RollbackAll** are discarded.

**CommitAll** is automatically called for client-side code during each **ExecuteQuery** command.

**Parameters:** None

### 3.1.5.23.2.1.5 UpdateCache

**Return Type:** None

This method forces the taxonomy cache to communicate with the Managed Metadata Service to check for changes to any taxonomy objects in this **TermStore** (section [3.1.5.23](#)).

**Remarks:**

A background thread already performs these checks at periodic intervals, so calling **UpdateCache** is normally unnecessary. However, it is sometimes useful immediately before a change (to reduce the likelihood of save conflict errors), or immediately after a change (if that change may have been performed via a different Web Front End (WFE)).

**Parameters:** None

### 3.1.5.23.2.1.6 UpdateUsedTermsOnSite

**Return Type:** None

This method makes sure that the current **TermStore** (section [3.1.5.23](#)) object is aware of all child **Term** (section [3.1.5.16](#)) objects that are used in the requested **Site** ([\[MS-CSOMSPT\]](#) section 3.2.5.119).

**Parameters:**

*site*: The **Site** ([\[MS-CSOMSPT\]](#) section 3.2.5.119) to check against for **Term** usage.

Type: Microsoft.SharePoint.Client.Site

### 3.1.5.23.2.2 ObjectPath Methods

#### 3.1.5.23.2.2.1 CreateGroup

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

Creates a new **TermGroup** (section [3.1.5.18](#)) object in this **TermStore** (section [3.1.5.23](#)).

**Remarks:**

The name cannot exceed 255 characters, and it cannot contain the following characters: ;, ", <, >, |, [, &, ], or the tab-character.

Additionally, the name MUST be a unique **TermGroup** name within the current **TermStore**. Call the **CommitAll** (section [3.1.5.23.2.1.1](#)) method to save this change to the database.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147024891	<b>UnauthorizedAccessException</b>	The protocol client has insufficient permissions to perform this operation.
- 2147024809	<b>ArgumentException</b>	The <i>name</i> parameter is not valid. It either contains invalid characters, or is too long.
- 2147024809	<b>ArgumentException</b>	<b>TermGroup</b> names MUST be unique.
- 2147467261	<b>ArgumentNullException</b>	The name cannot be <b>null</b> or empty.

**Parameters:**

*name*: The name of the new **TermGroup** being created.

Type: CSOM String

*groupId*: The identifier of the new **TermGroup** being created.

Type: CSOM GUID

#### 3.1.5.23.2.2.2 GetChanges

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemCollection

Gets a collection of **ChangedItem** (section [3.1.5.2](#)) objects, as specified by **ChangedItemCollection** (section [3.1.5.3](#)), that represent changes to this **TermStore** (section [3.1.5.23](#)) since a specified time.

**Parameters:**

*changeInformation*: A Coordinated Universal Time (UTC) time indicating the earliest change to be included in the result collection. Specified by **ChangeInformation** (section [3.1.5.26](#)).

Type: Microsoft.SharePoint.Client.Taxonomy.ChangeInformation

**Remarks:**

The changes returned in the collection include changes in the **TermStore** and its child **TermGroup** (section [3.1.5.18](#)), **TermSet** (section [3.1.5.20](#)) objects, and **Term** (section [3.1.5.16](#)) objects. The collection returned can be empty.

### 3.1.5.23.2.2.3 GetGroup

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

Gets a **TermGroup** (section [3.1.5.18](#)) object based on the identifier of the **TermGroup**.

**Parameters:**

*id*: The identifier of the **TermGroup** to get.

Type: CSOM GUID

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	The <i>id</i> value cannot be a <b>Guid.Empty</b> value.

### 3.1.5.23.2.2.4 GetTerm

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Gets a **Term** (section [3.1.5.16](#)) based on its identifier.

**Parameters:**

*termId*: The ID of the Term object to be retrieved

Type: CSOM GUID

**Remarks:**

If the current **Term** is a member of more than one **TermSet** (section [3.1.5.20](#)) objects, it will arbitrarily return the term from one of the **TermSet** objects. If the **Term** cannot be found or if the protocol client does not have sufficient permissions to access it, the method returns **null**. This method searches for the **Term** object across all child groups and term sets that the protocol client has permissions to read.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	The <i>termId</i> value cannot be <b>Guid.Empty</b> .

### 3.1.5.23.2.2.5 GetTerms

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of **Term** (section [3.1.5.16](#)) objects from all **TermSet** (section [3.1.5.20](#)) objects in this **TermStore** (section [3.1.5.23](#)) that the protocol client has permissions to read and based on the label criteria provided.

## Remarks:

The **LabelMatchInformation** values that are set MUST be one of these combinations:

- **LabelMatchInformation.TermLabel** and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.Lcid**, and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.DefaultLabelOnly**, **LabelMatchInformation.StringMatchOption**, **LabelMatchInformation.ResultCollectionSize**, and **LabelMatchInformation.TrimUnavailable**.
- **LabelMatchInformation.TermLabel**, **LabelMatchInformation.Lcid**, **LabelMatchInformation.DefaultLabelOnly**, **LabelMatchInformation.StringMatchOption**, **LabelMatchInformation.ResultCollectionSize**, **LabelMatchInformation.TrimUnavailable**, **LabelMatchInformation.TrimDeprecated**, and **LabelMatchInformation.ExcludeKeyword**.

If the combination of **LabelMatchInformation** (section [3.1.5.30](#)) values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **LabelMatchInformation.TermLabel** (section [3.1.5.30.1.1.6](#)) cannot be null or empty, and MUST NOT exceed 255 characters in length. It also cannot contain any of the following illegal characters: ; " < > | & and the tab character.

The search is case-insensitive, and will match either the entire label or only check that it starts with the specified string depending on the value of the **LabelMatchInformation.StringMatchOption** (section [3.1.5.30.1.1.5](#)) parameter.

If **LabelMatchInformation.TrimUnavailable** (section [3.1.5.30.1.1.8](#)) is true, then terms that have **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) set to false will be trimmed from the results; otherwise, all terms will be returned regardless of their **Term.IsAvailableForTagging** value.

If **LabelMatchInformation.Lcid** (section [3.1.5.30.1.1.3](#)) is specified, then a **Term** will be returned if a **Label** in the specified **Lcid** matches the string provided. If no **Lcid** is specified, then all **Term.Labels** (section [3.1.5.16.1.2.1](#)) in all working languages will be searched by this method. The **Lcid** value MUST be one of the working languages of the term store, specified by **TermStore.Languages** (section [3.1.5.23.1.1.4](#)).

If **LabelMatchInformation.DefaultLabelOnly** (section [3.1.5.30.1.1.1](#)) is true, then only the default labels will be searched.

The maximum number of results returned from this search is restricted by the **LabelMatchInformation.ResultCollectionSize** (section [3.1.5.30.1.1.4](#)) parameter. If **LabelMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

If **LabelMatchInformation.ExcludeKeyword** (section [3.1.5.30.1.1.2](#)) is true, then **Term** objects in the keywords term set will be excluded from the search; otherwise, all terms, including keywords, will be included in the search.

If **LabelMatchInformation.TrimDeprecated** (section [3.1.5.30.1.1.7](#)) is true, then terms that have **Term.IsDeprecated** (section [3.1.5.16.1.1.6](#)) set to true will be trimmed from the results; otherwise, all terms will be returned regardless of their **Term.IsDeprecated** value.



To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

#### Exceptions:

Error Code	Error Type Name	Condition
- 2147024809	<b>ArgumentException</b>	Incorrect combination of <b>LabelMatchInformation</b> settings provided.
- 2147024809	<b>ArgumentException</b>	Invalid value provided for one of the <b>LabelMatchInformation</b> settings.
- 2147024809	<b>ArgumentException</b>	The value of <b>LabelMatchInformation.TermLabel</b> is invalid. It either contains invalid characters or is too long.
- 2147467261	<b>ArgumentNullException</b>	Some <b>LabelMatchInformation</b> settings cannot be <b>null</b> or empty.
- 2147467261	<b>ArgumentNullException</b>	The <b>LabelMatchInformation.TermLabel</b> cannot be null or empty.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <b>LabelMatchInformation.Lcid</b> value MUST be one of the working languages in the current <b>TermStore</b> .

#### Parameters:

*labelMatchInformation*: Indicates the search criteria to use when retrieving **Term** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.LabelMatchInformation

#### 3.1.5.23.2.2.6 GetTermSet

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSet

This method retrieves a **TermSet** (section [3.1.5.20](#)) object based on a **TermSet** identifier.

#### Parameters:

*termSetId*: The identifier of the **TermSet** to return.

Type: CSOM GUID

#### Remarks:

A **null** will be returned if the **TermSet** cannot be found or if the protocol client does not have sufficient permissions to access it. This method searches across all **TermGroup** (section [3.1.5.18](#)) objects in the **TermStore** (section [3.1.5.23](#)).

#### 3.1.5.23.2.2.7 GetTermsWithCustomProperty

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of all of the **Term** (section [3.1.5.16](#)) objects, from all **TermSet** (section [3.1.5.20](#)) objects in this **TermStore** (section [3.1.5.23](#)) that the protocol client has permissions to read, that have a custom property matching the criteria provided.

## Remarks:

The **CustomPropertyMatchInformation** (section [3.1.5.29](#)) values that are set MUST be one of these combinations:

- **CustomPropertyMatchInformation.CustomPropertyName** and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.ResultCollectionSize**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, **CustomPropertyMatchInformation.StringMatchOption**, and **CustomPropertyMatchInformation.TrimUnavailable**.
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, **CustomPropertyMatchInformation.StringMatchOption**, **CustomPropertyMatchInformation.ResultCollectionSize**, and **CustomPropertyMatchInformation.TrimUnavailable**.

If the combination of **CustomPropertyMatchInformation** values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **CustomPropertyMatchInformation.CustomPropertyName** (section [3.1.5.29.1.1.1](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain any of the following illegal characters: ; " < > | & tab

The **CustomPropertyMatchInformation.CustomPropertyValue** (section [3.1.5.29.1.1.2](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain the illegal characters \t or \n.

The search is case-insensitive, and will match either the entire value or the custom property name or value, or only check that it starts with the specified string depending on the value of the **CustomPropertyMatchInformation.StringMatchOption** (section [3.1.5.29.1.1.4](#)) parameter. If the **CustomPropertyMatchInformation.StringMatchOption** is not set, it defaults to exact match.

The **CustomPropertyMatchInformation.ResultCollectionSize** (section [3.1.5.29.1.1.3](#)) value MUST be greater than 0. The maximum number of results returned from this search is restricted by the **CustomPropertyMatchInformation.ResultCollectionSize** parameter. If **CustomPropertyMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

If **CustomPropertyMatchInformation.TrimUnavailable** (section [3.1.5.29.1.1.5](#)) is set to true, then **Term** objects that have **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) set to false will be trimmed from the results; otherwise, all matching terms will be returned regardless of their **Term.IsAvailableForTagging** value.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

**Exceptions:**

Error Code	Error Type Name	Condition
- 214702480 9	<b>ArgumentException</b>	Incorrect combination of <b>CustomPropertyMatchInformation</b> settings provided.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyName</b> is invalid. It either contains invalid characters or is too long.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It exceeds the maximum allowed length of 255.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It contains invalid character '\t', '\n', or both.
- 214746726 1	<b>ArgumentNullException</b>	Some <b>CustomPropertyMatchInformation</b> settings MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyName</b> MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyValue</b> MUST NOT be <b>null</b> or empty.
- 214623308 6	<b>ArgumentOutOfRangeException</b>	The <b>CustomPropertyMatchInformation.ResultCollectionSize</b> is invalid. It MUST be greater than 0.

**Parameters:**

*customPropertyMatchInformation*: Indicates the search criteria to use when retrieving **Term** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation

**3.1.5.23.2.2.8 GetSiteCollectionGroup**

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermGroup

Gets the **TermGroup** (section [3.1.5.18](#)) object related to a specified site collection or NULL if no such **TermGroup** (section [3.1.5.18](#)) object exists and the *createIfMissing* parameter is false.

**Parameters:**

*currentSite*: The site collection containing the **TermGroup** (section [3.1.5.18](#)) object to retrieve

Type: Microsoft.SharePoint.Client.Site

**Microsoft.SharePoint.Client.Site** is specified in [\[MS-CSOMSPT\]](#) section 3.2.5.119.

*createIfMissing*: Indicates whether to create a new **TermGroup** (section [3.1.5.18](#)) object if one does not exist yet for the specified site collection.

Type: CSOM Boolean

### 3.1.5.23.2.2.9 GetTermInTermSet

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.Term

Gets a **Term** (section [3.1.5.16](#)) object that is retrieved based on the **Id** (section [3.1.5.20.1.1.6](#)) of the **TermSet** (section [3.1.5.20](#)) object and the **Id** (section [3.1.5.16.1.1.4](#)) of the **Term**. Returns null if the **Term** cannot be found or if the user does not have sufficient permissions to access the **Term**.

**Parameters:**

*termSetId*: The **Id** (section [3.1.5.20.1.1.6](#)) of the **TermSet** that the **Term** is a member of.

Type: CSOM GUID

*termId*: The **Id** (section [3.1.5.16.1.1.4](#)) property of the **Term** to get.

Type: CSOM GUID

### 3.1.5.23.2.2.10 GetTermsById

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermCollection

Gets a collection of **Term** (section [3.1.5.16](#)) objects that are based on the **Id** (section [3.1.5.16.1.1.4](#)) of the **Term**, or an empty collection or **null** if no terms match.

**Remarks:**

If a **Term** is a member of multiple **TermSet** (section [3.1.5.20](#)) objects, it arbitrarily returns the **Term** from one of the **TermSet** objects. If an **ID** from the *termIds* parameter cannot be matched against the **ID** of a **Term** in this **TermStore** (section [3.1.5.23](#)) object or if the user does not have sufficient permissions to access it, the **Term** will not be included in the result collection that is returned. This method searches for the **Term** across all of the child **TermGroup** (section [3.1.5.18](#)) objects and **TermSet** objects that the user has permissions to read.

If the *termIds* parameter contains entries with the same ID, the returned item collection also contains duplicates. If this search finds no terms, then either **null** or an empty collection will be returned.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147467261	<b>ArgumentNullException</b>	The <i>termIds</i> parameter cannot be <b>null</b> .

**Parameters:**

*termIds*: The **Ids** (section [3.1.5.16.1.1.4](#)) of the **Term** objects to be retrieved.

Type: CSOM array of CSOM GUID

### 3.1.5.23.2.2.11 GetTermSetsByName

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

This method retrieves a collection of all **TermSet** (section [3.1.5.20](#)) objects in this **TermStore** (section [3.1.5.23](#)) that the current user has permissions to read that have a matching **TermSet** name in the provided LCID.

**Remarks:**

The *termSetName* parameter cannot be null or empty, and MUST not exceed 255 characters in length. It also cannot contain any of the following illegal characters: ; " > | & and the tab character. The search is case-insensitive.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

**Exceptions:**

Error Code	Error Type Name	Condition
- 2147467261	<b>ArgumentNullException</b>	The <i>termSetName</i> parameter cannot be <b>null</b> or empty.
- 2147024809	<b>ArgumentException</b>	The value of the <i>termSetName</i> parameter is invalid. It contains invalid characters or is too long.

**Parameters:**

*termSetName*: The **Name** (section [3.1.5.20.1.1.10](#)) of the **TermSet** to be retrieved.

Type: CSOM String

*lcid*: The language code identifier (LCID) for the language the **TermSet** name is in.

Type: CSOM Int32

### 3.1.5.23.2.2.12 GetTermSetsByTermLabel

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

This method retrieves a collection of all **TermSet** (section [3.1.5.20](#)) objects in this **TermStore** (section [3.1.5.23](#)) that the current user has permissions to read that contain **Term** (section [3.1.5.16](#)) objects with labels matching or starting with each of the specified strings for a specified LCID.

**Remarks:**

The value of the labels in *requiredTermLabels* cannot be null or empty, and MUST NOT exceed 255 characters in length. They also MUST NOT contain any of the following illegal characters ; " > | & tab. The *lcid* value MUST be one of the working languages of the term store, specified by **TermStore.Languages** (section [3.1.5.23.1.1.4](#)). The search is case-insensitive. A **TermSet** will be included in the returned collection if, for each label value in *requiredTermLabels*, the **TermSet** contains a **Term** with a label that matches or starts with the value for the specified *lcid*. There is no requirement for a single **Term** to contain all of the specified labels. To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

## Exceptions:

Error Code	Error Type Name	Condition
- 2147467261	<b>ArgumentNullException</b>	The <i>requiredTermLabels</i> value cannot be <b>null</b> .
- 2147467261	<b>ArgumentNullException</b>	The labels in <i>requiredTermLabels</i> cannot be <b>null</b> or empty.
- 2147024809	<b>ArgumentException</b>	The value of one or more labels in <i>requiredTermLabels</i> is invalid. It probably contains invalid characters or is too long.
- 2146233086	<b>ArgumentOutOfRangeException</b>	The <i>lcid</i> value MUST be one of the working languages in the current term store.

## Parameters:

*requiredTermLabels*: A set of labels to match against the **Term.Labels** (section [3.1.5.16.1.2.1](#)) of each **TermSet**.

Type: CSOM array of CSOM String

*lcid*: The language code identifier (LCID) for the language of the **Term.Labels** to perform the matching on.

Type: CSOM Int32

### 3.1.5.23.2.2.13 GetTermSetsWithCustomProperty

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermSetCollection

Gets a collection of all of the **TermSet** (section [3.1.5.20](#)) objects in this **TermStore** (section [3.1.5.23](#)) that the current user has permissions to read, that have a custom property matching the criteria provided.

## Remarks:

The **CustomPropertyMatchInformation** (section [3.1.5.29](#)) values that are set MUST be one of these combinations:

- **CustomPropertyMatchInformation.CustomPropertyName.**
- **CustomPropertyMatchInformation.CustomPropertyName** and **CustomPropertyMatchInformation.CustomPropertyValue.**
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, and **CustomPropertyMatchInformation.StringMatchOption.**
- **CustomPropertyMatchInformation.CustomPropertyName**, **CustomPropertyMatchInformation.CustomPropertyValue**, **CustomPropertyMatchInformation.StringMatchOption**, and **CustomPropertyMatchInformation.ResultCollectionSize.**

If the combination of **CustomPropertyMatchInformation** values is invalid, an **ArgumentException** or **ArgumentNullException** will be thrown indicating the invalid setting.

The **CustomPropertyMatchInformation.CustomPropertyName** (section [3.1.5.29.1.1.1](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain any of the following illegal characters: ; " < > | & tab

The **CustomPropertyMatchInformation.CustomPropertyValue** (section [3.1.5.29.1.1.2](#)) MUST NOT be set to null or empty, and MUST NOT exceed 255 characters in length. It also MUST NOT contain the illegal characters \t or \n.

The search is case-insensitive, and will match either the entire value or the custom property name or value, or only check that it starts with the specified string depending on the value of the **CustomPropertyMatchInformation.StringMatchOption** (section [3.1.5.29.1.1.4](#)) parameter.

The **CustomPropertyMatchInformation.ResultCollectionSize** (section [3.1.5.29.1.1.3](#)) value MUST be greater than 0. The maximum number of results returned from this search is restricted by the **CustomPropertyMatchInformation.ResultCollectionSize** parameter. If **CustomPropertyMatchInformation.ResultCollectionSize** is not set, then a maximum of 100 results is returned.

To get the most accurate results, it is recommended that any pending changes be committed to the database using **CommitAll** (section [3.1.5.23.2.1.1](#)) prior to executing this search.

#### Exceptions:

Error Code	Error Type Name	Condition
- 214702480 9	<b>ArgumentException</b>	Incorrect combination of <b>CustomPropertyMatchInformation</b> settings provided.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyName</b> is invalid. It either contains invalid characters or is too long.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It exceeds the maximum allowed length of 255.
- 214702480 9	<b>ArgumentException</b>	The value of <b>CustomPropertyMatchInformation.CustomPropertyValue</b> is invalid. It contains invalid character '\t', '\n', or both.
- 214702480 9	<b>ArgumentException</b>	<b>CustomPropertyMatchInformation.TrimUnavailable</b> MUST NOT be set.
- 214746726 1	<b>ArgumentNullException</b>	Some <b>CustomPropertyMatchInformation</b> settings MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyName</b> MUST NOT be <b>null</b> or empty.
- 214746726 1	<b>ArgumentNullException</b>	The <b>CustomPropertyMatchInformation.CustomPropertyValue</b> MUST NOT be <b>null</b> or empty.

Error Code	Error Type Name	Condition
- 214623308 6	<b>ArgumentOutOfRangeException</b>	The <b>CustomPropertyMatchInformation.ResultCollectionSize</b> is invalid. It MUST be greater than 0.

**Parameters:**

*customPropertyMatchInformation*: Indicates the search criteria to use when retrieving **TermSet** objects.

Type: Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation

### 3.1.5.24 Microsoft.SharePoint.Client.Taxonomy.TermStoreCollection

**TypeId:** {E4A57A1E-7778-43FF-A88A-D5A61B231AFA}

**ShortName:** SP.Taxonomy.TermStoreCollection

Represents a collection of **TermStore** (section [3.1.5.23](#)) objects.

#### 3.1.5.24.1 Properties

##### 3.1.5.24.1.1 Scalar Properties

None.

##### 3.1.5.24.1.2 ObjectPath Properties

None.

#### 3.1.5.24.2 Methods

##### 3.1.5.24.2.1 Scalar Methods

None.

##### 3.1.5.24.2.2 ObjectPath Methods

###### 3.1.5.24.2.2.1 GetById

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore

Returns the **TermStore** (section [3.1.5.23](#)) specified by its GUID index.

**Parameters:**

*index*: The GUID index of the **TermStore** to be returned.

Type: CSOM GUID

###### 3.1.5.24.2.2.2 GetByName

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TermStore



Returns the **TermStore** (section [3.1.5.23](#)) specified by its index name.

**Parameters:**

*index*: The index name of the **TermStore** to be returned.

Type: CSOM String

### 3.1.5.25 Microsoft.SharePoint.Client.Taxonomy.MobileTaxonomyField

**TypeId**: {21743F26-63E3-432D-9093-89973BB23664}

**ShortName**: SP.Taxonomy.MobileTaxonomyField

Provides support for taxonomy fields (2) on a mobile page. A mobile page is a page that can be accessed by a **mobile device**.

#### 3.1.5.25.1 Properties

##### 3.1.5.25.1.1 Scalar Properties

###### 3.1.5.25.1.1.1 ReadOnly

**Type**: CSOM Boolean

**Accessibility**: Read Only

A Boolean value that indicates whether the current **MobileTaxonomyField** (section [3.1.5.25](#)) object is read-only.

##### 3.1.5.25.1.2 ObjectPath Properties

None.

#### 3.1.5.25.2 Methods

##### 3.1.5.25.2.1 Scalar Methods

None.

##### 3.1.5.25.2.2 ObjectPath Methods

None.

### 3.1.5.26 Microsoft.SharePoint.Client.Taxonomy.ChangeInformation

**TypeId**: {1F849FB0-4FCB-4A54-9B01-9152B9E482D3}

**ShortName**: SP.Taxonomy.ChangeInformation

An object that supports overloads for **TermGroup.GetChanges** (section [3.1.5.18.2.2.2](#)), **TermSet.GetChanges** (section [3.1.5.20.2.2.4](#)), and **TermStore.GetChanges** (section [3.1.5.23.2.2.2](#)) methods by combining the change information in one structure.

### 3.1.5.26.1 Properties

#### 3.1.5.26.1.1 Scalar Properties

##### 3.1.5.26.1.1.1 ItemType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedItemType

**Accessibility:** Read/Write

Specifies the **ChangedItemType** (section [3.1.5.4](#)).

Default is **Unknown** (section [3.1.5.4.1.1](#)).

##### 3.1.5.26.1.1.2 OperationType

**Type:** Microsoft.SharePoint.Client.Taxonomy.ChangedOperationType

**Accessibility:** Read/Write

Specifies the **ChangedOperationType** (section [3.1.5.5](#)).

Default is **Unknown** (section [3.1.5.5.1.1](#)).

##### 3.1.5.26.1.1.3 StartTime

**Type:** CSOM DateTime

**Accessibility:** Read/Write

Specifies the date and time that indicate the earliest change to be returned.

##### 3.1.5.26.1.1.4 WithinTimeSpan

**Type:** CSOM TimeSpan

**Accessibility:** Read/Write

Specifies a time span within which changes are returned.

#### 3.1.5.26.1.2 ObjectPath Properties

None.

### 3.1.5.26.2 Methods

#### 3.1.5.26.2.1 Scalar Methods

None.

#### 3.1.5.26.2.2 ObjectPath Methods

##### 3.1.5.26.2.2.1 CSOM Constructor

Creates a **ChangeInformation** (section [3.1.5.26](#)) object.

**Parameters:** None

### 3.1.5.27 Microsoft.SharePoint.Client.Taxonomy.TaxonomyField

**TypeId:** {0831C0F3-C1B9-4D8A-A339-0160F42257B4}

**ShortName:** SP.Taxonomy.TaxonomyField

Represents a taxonomy field (2).

After setting the properties of **TaxonomyField**, call the **Update** (section [3.1.5.27.2.1.5](#)) method for the change to take effect in the database.

The SchemaXmlWithResourceTokens property is not included in the default scalar property set for this type.

#### 3.1.5.27.1 Properties

##### 3.1.5.27.1.1 Scalar Properties

###### 3.1.5.27.1.1.1 AllowMultipleValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether multiple **Term** (section [3.1.5.16](#)) objects can be used in the **TaxonomyField** (section [3.1.5.27](#)) object.

###### 3.1.5.27.1.1.2 AnchorId

**Type:** CSOM GUID

**Accessibility:** Read/Write

Specifies the GUID of the anchor **Term** (section [3.1.5.16](#)) object for a **TaxonomyField** (section [3.1.5.27](#)) object.

**Remarks:**

An anchor **Term** is the **Term** in the hierarchical **TermStore** (section [3.1.5.23](#)) that serves as the root node of the **Term** objects that are permissible for the current **TaxonomyField** object.

###### 3.1.5.27.1.1.3 CanBeDeleted

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that indicates whether the **TaxonomyField** (section [3.1.5.27](#)) can be deleted.

###### 3.1.5.27.1.1.4 CreateValuesInEditForm

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether the new **Term** (section [3.1.5.16](#)) objects can be added to the **TermSet** (section [3.1.5.20](#)) while typing in the **TaxonomyField** (section [3.1.5.27](#)) editor control.

**Remarks:**

If this property is **true** and the **TermSet** is open, then typing text in the taxonomy field (2) editor control will display a **Create New** option in the **Suggestions** drop-down list if that **Term** does not already exist at the root level of the **TermSet**. Selecting the **Create New** option will create a new **Term** with that text as the default **Label** (section [3.1.5.10](#)) object.

This property does not apply to the keywords term set, because it always allows new **Term** objects to be added by selecting **Create New** in the **Suggestions** drop-down list.

It is not possible to create **Term** objects that are created by using the **Create New** at an arbitrary position in the hierarchy of **Term** objects in the **TermSet**. All **Term** objects created with this option are created at the root level of the **TermSet**.

### 3.1.5.27.1.1.5 DefaultValue

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the default value for a field.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list that the <b>TaxonomyField</b> belongs to has an external data source.

### 3.1.5.27.1.1.6 Description

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a description for a **TaxonomyField** (section [3.1.5.27](#)).

### 3.1.5.27.1.1.7 Direction

**Type:** CSOM String

**Accessibility:** Read/Write

Gets or set the reading order for the **TaxonomyField** (section [3.1.5.27](#)).

Returns a string that contains "LTR" if the reading order is left-to-right, "RTL" if it is right-to-left, or none.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list that the <b>TaxonomyField</b> belongs to has an external data source and direction is not equal to none.

### 3.1.5.27.1.1.8 EnforceUniqueValues

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether to enforce uniqueness in column values. The default is **false**.

**Remarks:**

The value cannot be set to **false** for the built-in **TaxonomyFields** (section [3.1.5.27](#)) or for the site columns

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list has an external data source and trying to set the value to <b>true</b> .

### 3.1.5.27.1.1.9 FieldTypeKind

**Type:** Microsoft.SharePoint.Client.FieldType

**Accessibility:** Read/Write

Specifies the type of the **TaxonomyField** (section [3.1.5.27](#)).

**Microsoft.SharePoint.Client.FieldType** is specified in [\[MS-CSOMSPT\]](#) section 3.2.5.58.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	This <b>TaxonomyField</b> belongs to a list that has an external data source and <b>FieldTypeKind</b> is changed.

### 3.1.5.27.1.1.10 Filterable

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that indicates whether the **TaxonomyField** (section [3.1.5.27](#)) can be filtered.

**Remarks:**

This property is **true** if the **TaxonomyField** can be filtered; otherwise, **false**.

### 3.1.5.27.1.1.11 FromBaseType

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that indicates whether the **TaxonomyField** (section [3.1.5.27](#)) derives from a base **TaxonomyField** type.

**Remarks:**

If the **FromBaseType** property returns **true**, the **TaxonomyField** cannot be converted to another **TaxonomyField** type, nor can it be deleted. This property is **true** if the **TaxonomyField** derives from a base **TaxonomyField** type; otherwise, **false**.

### 3.1.5.27.1.1.12 Group

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the column group to which the **TaxonomyField** (section [3.1.5.27](#)) belongs.

It MUST NOT be NULL. It MUST NOT be empty. Its length MUST be equal to or less than 128.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	This <b>TaxonomyField</b> belongs to a list that has an external data source.

### 3.1.5.27.1.1.13 Hidden

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether the **TaxonomyField** (section [3.1.5.27](#)) is displayed in the list.

This property is **true** if the **TaxonomyField** is hidden; otherwise, **false**.

### 3.1.5.27.1.1.14 Id

**Type:** CSOM GUID

**Accessibility:** Read Only

Gets the GUID of the **TaxonomyField** (section [3.1.5.27](#)).

### 3.1.5.27.1.1.15 Indexed

**Type:** CSOM Boolean

**Accessibility:** Read Only

A Boolean value that specifies whether this **TaxonomyField** (section [3.1.5.27](#)) is indexed.

**Remarks:**

This property is **true** to specify that the field is indexed; otherwise, **false**.

### 3.1.5.27.1.1.16 InternalName

**Type:** CSOM String

**Accessibility:** Read Only

Gets the internal name that is used for the **TaxonomyField** (section [3.1.5.27](#)).

It MUST NOT be NULL. It MUST NOT be empty.

### 3.1.5.27.1.1.17 IsAnchorValid

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that specifies whether the **Term** (section [3.1.5.16](#)) object identified by the **AnchorId** (section [3.1.5.27.1.1.2](#)) property is valid.

**Remarks:**

This property always returns **true** if the **TaxonomyField** (section [3.1.5.27](#)) points to the keywords term set (section [3.1.5.20](#)), or if the **TaxonomyField** points to the entire **TermSet** (the **AnchorId** property returns **Guid.Empty**).

### 3.1.5.27.1.1.18 IsKeyword

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that indicates whether the **TaxonomyField** (section [3.1.5.27](#)) value points to the keywords term set (section [3.1.5.20](#)) object.

**Remarks:**

The keywords term set is always open and cannot contain hierarchical taxonomies. A **TaxonomyField** object that points to the keywords term set allows multiple values by default.

When editing a **TaxonomyField** object with this property set to **true**, new **Term** (section [3.1.5.16](#)) objects can be added to the keywords term set by selecting **Create New** in the **Suggestions** drop-down menu in the **TaxonomyField** editor control.

Because the **TermSet** does not support hierarchical taxonomies, the **Term** picker dialog box cannot be opened to pick **Term** objects for a **TaxonomyField** that has this property set to **true**.

### 3.1.5.27.1.1.19 IsPathRendered

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether the default **Label** (section [3.1.5.10](#)) objects of all the parent **Term** (section [3.1.5.16](#)) objects of a **Term** in the **TaxonomyField** (section [3.1.5.27](#)) object will be rendered in addition to the default label of that **Term**.

**Remarks:**

If this property is set to **true**, the **TaxonomyField** is rendered as a series of default labels separated by colon characters:

[RootLabel:...:ParentLabel:Label]

If this property is set to **false**, only the default **Label** of each **Term** is rendered.

If the **IsPathRendered** property is set, the **Update** (section [3.1.5.27.2.1.5](#)) method **MUST** be called for changes to take effect in the database.

### 3.1.5.27.1.1.20 IsRelationship

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that indicates whether a **TaxonomyField** (section [3.1.5.27](#)) is discoverable from the list where it looks for its value.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The property is read and the list that this field belongs to is an external list.

### 3.1.5.27.1.1.21 IsTermSetValid

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that specifies whether the **TermSet** (section [3.1.5.20](#)) object identified by the **TermSetId** (section [3.1.5.27.1.1.37](#)) property exists and is available for tagging.

**Remarks:**

This property always returns **true** if the **TermSetId** property points to the keywords term set.

### 3.1.5.27.1.1.22 LookupField

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the internal name of the **TaxonomyField** (section [3.1.5.27](#)) in a related list that is the source of this **TaxonomyField** object's value.



**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The property is read and the list that this <b>TaxonomyField</b> belongs to is an external list.

**3.1.5.27.1.1.23 LookupList****Type:** CSOM String**Accessibility:** Read/Write

Specifies the string representation of the GUID that identifies the list that is the source of this **TaxonomyField** (section [3.1.5.27](#)) object's value.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The property is read and the list that this <b>TaxonomyField</b> belongs to is an external list.

**3.1.5.27.1.1.24 LookupWebId****Type:** CSOM GUID**Accessibility:** Read/Write

Specifies the identifier of the **website (2)** that contains the list that is the source of this **TaxonomyField** (section [3.1.5.27](#)) object's value.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The property is read and the list that this <b>TaxonomyField</b> belongs to is an external list.

**3.1.5.27.1.1.25 Open****Type:** CSOM Boolean**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether the **TaxonomyField** (section [3.1.5.27](#)) object is linked to an open **TermSet** (section [3.1.5.20](#)) object or a closed **TermSet**.

**Remarks:**

A **TermSet** is open if new **Term** (section [3.1.5.16](#)) objects can be added to it by users that do not have permissions to normally add to the **TermSet**. It is closed if new terms cannot be added to it by users that do not have permissions.

### 3.1.5.27.1.1.26 PrimaryFieldId

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a string representation of the GUID that identifies the primary **lookup field** if the field is a dependent lookup field.

**Remarks:**

If the **TaxonomyField** (section [3.1.5.27](#)) is a secondary field in a multi-column lookup, this property returns the string representation of the GUID that identifies the primary lookup field; otherwise, it returns an empty string.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list that this <b>TaxonomyField</b> belongs to is an external list.

### 3.1.5.27.1.1.27 ReadOnlyField

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether values in the **TaxonomyField** (section [3.1.5.27](#)) can be modified.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	Thrown when attempting to change the value of <b>ReadOnlyField</b> when this <b>TaxonomyField</b> has an external data source.

### 3.1.5.27.1.1.28 RelationshipDeleteBehavior

**Type:** Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType

**Accessibility:** Read/Write

Specifies the delete behavior of the lookup field.

**Microsoft.SharePoint.Client.RelationshipDeleteBehaviorType** is specified in [\[MS-CSOMSPT\]](#) section 3.2.5.109.

**Remarks:**

Possible values include **Cascade**, **Restrict** and **None**.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The property is read and the list that this <b>TaxonomyField</b> (section <a href="#">3.1.5.27</a> ) belongs to is an external list.

### 3.1.5.27.1.1.29 Required

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether the protocol client **MUST** enter a value for the **TaxonomyField** (section [3.1.5.27](#)) when editing or creating List Items

**Remarks:**

This property is **true** if the **TaxonomyField** requires values; otherwise, **false**.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	This <b>TaxonomyField</b> belongs to a list that has an external data source and <b>Required</b> is set to <b>true</b> .

### 3.1.5.27.1.1.30 SchemaXml

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the **XML schema** that defines the **TaxonomyField** (section [3.1.5.27](#)).

The XML Schema **MUST** be an XML document that conforms to the **FieldDefinitions** type, as specified in [\[MS-WSSCAML\]](#) section 2.3.2.9, or a string that is **null** or empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list that the <b>TaxonomyField</b> belongs to has an external data source and the set value is not an empty or a <b>null</b> string.

### 3.1.5.27.1.1.31 Scope

**Type:** CSOM String

**Accessibility:** Read Only

Gets the website (2) relative path to the list where the **TaxonomyField** (section [3.1.5.27](#)) collection is used.

### 3.1.5.27.1.1.32 Sealed

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that specifies whether the **TaxonomyField** (section [3.1.5.27](#)) can be removed from a content type or list.

### 3.1.5.27.1.1.33 Sortable

**Type:** CSOM Boolean

**Accessibility:** Read Only

Gets a Boolean value that specifies whether the **TaxonomyField** (section [3.1.5.27](#)) can be sorted.

### 3.1.5.27.1.1.34 SspId

**Type:** CSOM GUID

**Accessibility:** Read/Write

Specifies the GUID that identifies the **TermStore** (section [3.1.5.23](#)) object, which contains the Enterprise keywords for the site (2) that the current **TaxonomyField** (section [3.1.5.27](#)) belongs to.

**Remarks:**

If the GUID that identifies the **TermStore** cannot be found, a **Guid.Empty** object is returned.

### 3.1.5.27.1.1.35 StaticName

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a static name for the **TaxonomyField** (section [3.1.5.27](#)).

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	This <b>TaxonomyField</b> belongs to a list that has an external data source, and <b>StaticName</b> is changed.

### 3.1.5.27.1.1.36 TargetTemplate

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the Web-relative Uniform Resource Locator (URL) of the target page that is used to construct the hyperlink on each **Term** (section [3.1.5.16](#)) object when the **TaxonomyField** (section [3.1.5.27](#)) object is rendered.

### 3.1.5.27.1.1.37 TermSetId

**Type:** CSOM GUID

**Accessibility:** Read/Write

Specifies the GUID of the **TermSet** (section [3.1.5.20](#)) object that contains the **Term** (section [3.1.5.16](#)) objects used by the current **TaxonomyField** () object.

**Remarks:**

If the site (2), the **TaxonomySession** (section [3.1.5.15](#)) object, the **TermStore** (section [3.1.5.23](#)) object, or **TermSet** object cannot be found, the property returns an empty object.

### 3.1.5.27.1.1.38 TextField

**Type:** CSOM GUID

**Accessibility:** Read Only

Specifies the GUID that identifies the hidden text field in an item.

**Remarks:**

Every **TaxonomyField** (section [3.1.5.27](#)) object contains a related hidden text field that contains a string representation of the **TaxonomyField** value. The hidden text field is identified by the GUID returned by this property.

### 3.1.5.27.1.1.39 Title

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies the display name for the **TaxonomyField** (section [3.1.5.27](#)).

### 3.1.5.27.1.1.40 TypeAsString

**Type:** CSOM String

**Accessibility:** Read/Write

Gets or sets the type of the **TaxonomyField** (section [3.1.5.27](#)) as a string value.

It MUST NOT be NULL. It MUST NOT be empty.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.NotSupportedException	The list has an external data source.

### 3.1.5.27.1.1.41 TypeDisplayName

**Type:** CSOM String

**Accessibility:** Read Only

Gets the display name of the **TaxonomyField** (section [3.1.5.27](#)).

It MUST NOT be NULL. It MUST NOT be empty.

#### **3.1.5.27.1.1.42 TypeShortDescription**

**Type:** CSOM String

**Accessibility:** Read Only

Gets the description of the **TaxonomyField** (section [3.1.5.27](#)).

It MUST NOT be NULL. It MUST NOT be empty.

#### **3.1.5.27.1.1.43 UserCreated**

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Specifies a Boolean value that specifies whether the **TaxonomyField** (section [3.1.5.27](#)) object is linked to a customized **TermSet** (section [3.1.5.20](#)) object.

**Remarks:**

A **TermSet** is customized if it was created by using the **Customize your TermSet** option selected at the time the field was created.

**Term** (section [3.1.5.16](#)) objects in a customized **TermSet** are available to other users in the site (2) collection, but they are not offered as suggestions in Enterprise keywords columns.

#### **3.1.5.27.1.1.44 ValidationFormula**

**Type:** CSOM String

**Accessibility:** Read/Write

Indicates the formula referenced by the **TaxonomyField** (section [3.1.5.27](#)) and is evaluated when a list item is added or updated.

#### **3.1.5.27.1.1.45 ValidationMessage**

**Type:** CSOM String

**Accessibility:** Read/Write

Specifies a message to display to the user if validation fails for this **TaxonomyField** (section [3.1.5.27](#)).

Its length MUST be equal to or less than 1024.

#### **3.1.5.27.1.1.46 EntityPropertyName**

**Type:** CSOM String

**Accessibility:** Read Only

Gets the name of the entity property for the list item entity which uses this field (2).

It MUST NOT be NULL. It MUST NOT be empty.

#### 3.1.5.27.1.1.47 JSLink

**Type:** CSOM String

**Accessibility:** Read/Write

Gets the name of an external ECMAScript ([\[ECMA-262\]](#)) file containing any logic for this field (2).

#### 3.1.5.27.1.1.48 SchemaXmlWithResourceTokens

**Type:** CSOM String

**Accessibility:** Read Only

Gets the schema XML for the content type containing **resource tokens**.

### 3.1.5.27.1.2 ObjectPath Properties

#### 3.1.5.27.1.2.1 DefaultValueTyped

**Type:** CSOM Object

**Accessibility:** Read Only

Gets the default **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) or the **TaxonomyFieldValue** (section [3.1.5.13](#)) object.

**Remarks:**

If the **DefaultValue** property is **null** or an empty string, this property returns **null**.

Otherwise, if the **AllowMultipleValues** (section [3.1.5.27.1.1.1](#)) property is **true**, this property returns a **TaxonomyFieldValueCollection** object with the value set to the **DefaultValue** property. If the **AllowMultipleValues** property is **false**, this property returns a **TaxonomyFieldValue** object with the value set to the **DefaultValue** property.

### 3.1.5.27.2 Methods

#### 3.1.5.27.2.1 Scalar Methods

##### 3.1.5.27.2.1.1 DeleteObject

**Return Type:** None

Deletes the **TaxonomyField** (section [3.1.5.27](#)).

**Parameters:** None

**Exceptions:**

Error Code	Error Type Name	Condition
-1	System.InvalidOperationException	The <b>TaxonomyField</b> cannot be deleted because it does not allow deletion.

### 3.1.5.27.2.1.2 GetFieldValueAsHtml

**Return Type:** CSOM String

Returns the **TaxonomyField** (section [3.1.5.27](#)) value in **Hypertext Markup Language (HTML)** format to render the **TaxonomyField** value directly on a page.

**Parameters:**

*value:* An object of type **TaxonomyFieldValue** (section [3.1.5.13](#)) or **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) that represents the value to convert.

Type: CSOM Object

**Remarks:**

If the **AllowMultipleValues** (section [3.1.5.27.1.1.1](#)) property of the **TaxonomyField** object is **false**, the value parameter is expected to be of type **TaxonomyFieldValue** or **SPFieldLookupValue** (see **Microsoft.SharePoint.Client.FieldLookupValue** as specified in [\[MS-CSOMSPT\]](#) section 3.2.5.50), or have an accurate string representation returned by the **Tostring** method.

If the **AllowMultipleValues** property of the **TaxonomyField** object is **true**, the value parameter is expected to be of type **TaxonomyFieldValueCollection** or **SPFieldLookupValueCollection** (a CSOM array of **SPFieldLookupValue**) or have an accurate string representation returned by the **Tostring** method. The HTML returned by this method will contain each value in the collection, separated by a semicolon character.

If the value parameter is a **SPFieldLookupValue** object or **SPFieldLookupValueCollection** object, the returned string will be HTML-encoded.

If the value parameter is **null**, an empty string is returned.

### 3.1.5.27.2.1.3 GetFieldValueAsText

**Return Type:** CSOM String

Returns a plain text representation of the **TaxonomyField** (section [3.1.5.27](#)) value.

**Parameters:**

*value:* An object of type **TaxonomyFieldValue** (section [3.1.5.13](#)) or **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) that represents the value to convert.

Type: CSOM Object

**Remarks:**

If the *value* parameter is of type **TaxonomyFieldValue**, this method returns its label.

**Exceptions:**



Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	The <i>value</i> parameter was of a type other than <b>TaxonomyFieldValue</b> or <b>TaxonomyFieldValueCollection</b> .

### 3.1.5.27.2.1.4 GetValidatedString

**Return Type:** CSOM String

Validates the **TaxonomyField** (section [3.1.5.27](#)) value object using logic specific to the **TaxonomyField** object, and returns a serialized string representation of the validated field value object.

**Parameters:**

*value*: An object of type **TaxonomyFieldValue** (section [3.1.5.13](#)) or **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) that represents the value to validate and serialize.

Type: CSOM Object

**Remarks:**

If the **AllowMultipleValues** (section [3.1.5.27.1.1.1](#)) property of the **TaxonomyField** object is **false**, the value parameter is expected to be of type **TaxonomyFieldValue**.

If the **AllowMultipleValues** property of the **TaxonomyField** object is **true**, the value parameter is expected to be of type **TaxonomyFieldValueCollection** or **SPFieldLookupValueCollection**.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	<b>SPFieldValidationException</b>	The <i>value</i> parameter contains a <b>TaxonomyFieldValue</b> object with an invalid <b>Term</b> (section <a href="#">3.1.5.16</a> ) GUID.

### 3.1.5.27.2.1.5 Update

**Return Type:** None

Updates the database with changes that are made to the **TaxonomyField** (section [3.1.5.27](#)) object.

**Parameters:** None

### 3.1.5.27.2.1.6 UpdateAndPushChanges

**Return Type:** None

Updates the database with changes that are made to the **TaxonomyField** (section [3.1.5.27](#)) and optionally propagates the changes to lists that implement the **TaxonomyField**.

**Parameters:**

*pushChangesToLists*: **true** to propagate changes to lists that implement the **TaxonomyField**; otherwise, **false**.

Type: CSOM Boolean

**Exceptions:**

Error Code	Error Type Name	Condition
- 2130246331	Microsoft.SharePoint.SPException	Trying to change the type of a field, when the field is changing to be indexed or has already been indexed.
- 2130246238	Microsoft.SharePoint.SPException	Trying to remove a field from the index, when the field does not allow duplicate values.
- 2130246236	Microsoft.SharePoint.SPException	Trying to change the type of a field that does not allow duplicate values.

### 3.1.5.27.2.1.7 ValidateSetValue

**Return Type:** None

Validates a **TaxonomyField** (section [3.1.5.27](#)) value.

**Parameters:**

*item*: A list item that contains a **TaxonomyField** whose value is to be validated.

Type: Microsoft.SharePoint.Client.ListItem

It MUST NOT be NULL.

*value*: The input value that is to be validated.

Type: CSOM String

### 3.1.5.27.2.1.8 GetFieldValueAsTaxonomyFieldValue

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValue

Converts the specified string value into a **TaxonomyFieldValue** (section [3.1.5.13](#)) object.

**Remarks:**

The value parameter string MUST consist of an internal identifier, a label, and a path:  
[ID;#LABEL|PATH].

[ID] is the internal identifier of the list item.

[LABEL] is the default **Label** of the corresponding **Term** (section [3.1.5.16](#)) in the **TermStore** (section [3.1.5.23](#)).

[PATH] is a string of GUIDs delimited by a pipe (|) character and terminating in the GUID that identifies the **Term**: [ROOT\_TERM\_GUID|...|PARENT\_TERM\_GUID|TERM\_GUID].

For example, [id;#label|path] represents a single value.

**Exceptions:**

Error Code	Error Type Name	Condition
-1	<b>SPFieldValidationException</b>	The given GUID does not exist in the <b>TermStore</b> .

**Parameters:**

*value*: A formatted string containing identifier, label, and path information to convert into a **TaxonomyFieldValue**.

Type: CSOM String

### 3.1.5.27.2.1.9 SetFieldValueByCollection

**Return Type:** None

Sets the value of the corresponding multi-value field in the list item to the properties of the **Term** (section [3.1.5.16](#)) objects in the specified collection, in the specified language.

**Remarks:**

Each **Term** has a maximum of one default **Label** (section [3.1.5.10](#)) for every language in the **TermStore** (section [3.1.5.23](#)) object. For each **Term**, the default **Label** in the default language of the **TermStore** object is used.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	One or more arguments to this method are null, or the <b>TaxonomyField</b> (section <a href="#">3.1.5.27</a> ) object does not allow multiple values.

**Parameters:**

*item*: The **ListItem** ([\[MS-CSOMSPT\]](#) section 3.2.5.87) object whose field is to be updated.

Type: Microsoft.SharePoint.Client.ListItem

*terms*: The collection of **Term** objects whose properties are to be used to update the field value.

Type: CSOM array of Microsoft.SharePoint.Client.Taxonomy.Term

*lcid*: The language code identifier (LCID) of the language of the default **Label** objects to use.

Type: CSOM Int32

### 3.1.5.27.2.1.10 SetFieldValueByTerm

**Return Type:** None

Sets the value of the corresponding field in the list item to the properties of the specified **Term** (section [3.1.5.16](#)) in the specified language.

**Remarks:**

A **Term** has a maximum of one default **Label** (section [3.1.5.10](#)) for every new language in the **TermStore** (section [3.1.5.23](#)) object. The default **Label** used by this method is the default **Label** of

the **Term** in the language specified by the *lcid* parameter, if one exists; otherwise, the default language of the **TermStore** is used.

If the **AllowMultipleValues** (section [3.1.5.27.1.1.1](#)) property is true, the field will be assigned a **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) object. Otherwise, it will be assigned a **TaxonomyFieldValue** (section [3.1.5.13](#)) object.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	One or more arguments to this method are <b>null</b> .

**Parameters:**

*item*: The **ListItem** ([\[MS-CSOMSPT\]](#) section 3.2.5.87) object whose field is to be updated.

Type: Microsoft.SharePoint.Client.ListItem

*term*: The **Term** object whose properties are used to update the field value.

Type: Microsoft.SharePoint.Client.Taxonomy.Term

*lcid*: The language code identifier (LCID) of the language of the default **Label** to use.

Type: CSOM Int32

### 3.1.5.27.2.1.11 SetFieldValueByTermCollection

**Return Type:** None

Sets the value of the corresponding multi-value field in the list item to the properties of the **Term** (section [3.1.5.16](#)) objects in the specified collection, in the specified language.

**Remarks:**

Each **Term** has a maximum of one default **Label** (section [3.1.5.10](#)) for every language in the **TermStore** (section [3.1.5.23](#)) object. For each **Term**, the default **Label** in the default language of the **TermStore** is used.

The field will be assigned a **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) object.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	One or more arguments to this method are <b>null</b> , or the <b>TaxonomyField</b> (section <a href="#">3.1.5.27</a> ) object does not allow multiple values.

**Parameters:**

*item*: The **ListItem** ([\[MS-CSOMSPT\]](#) section 3.2.5.87) object whose field is to be updated.

Type: Microsoft.SharePoint.Client.ListItem

*terms*: The collection of **Term** objects whose properties are to be used to update the field value.

Type: Microsoft.SharePoint.Client.Taxonomy.TermCollection

*lcid*: The language code identifier (LCID) of the language of the default **Label** objects to use.

Type: CSOM Int32

### 3.1.5.27.2.1.12 SetFieldValueByValue

**Return Type:** None

Sets the value of the corresponding field in the list item to the value of the specified **TaxonomyFieldValue** (section [3.1.5.13](#)) object.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	One or more arguments to this method are <b>null</b> .

**Parameters:**

*item*: The **ListItem** ([\[MS-CSOMSPT\]](#) section 3.2.5.87) object whose field is to be updated.

Type: Microsoft.SharePoint.Client.ListItem

**Microsoft.SharePoint.Client.ListItem** is specified in [\[MS-CSOMSPT\]](#) section 3.2.5.87.

*taxValue*: The **TaxonomyFieldValue** object whose value is to be used to update this field.

Type: Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValue

### 3.1.5.27.2.1.13 SetFieldValueByValueCollection

**Return Type:** None

Sets the value of the corresponding multi-valued field in the list item to the value of the specified **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) object.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	One or more arguments to this method are <b>null</b> .
-1	<b>NotSupportedException</b>	The field is not multi-valued.

**Parameters:**

*item*: The **ListItem** ([\[MS-CSOMSPT\]](#) section 3.2.5.87) object whose field is to be updated.

Type: Microsoft.SharePoint.Client.ListItem

*taxValueCollection*: The **TaxonomyFieldValueCollection** object whose value is to be used to update this field.

Type: Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValueCollection

### 3.1.5.27.2.1.14 SetShowInDisplayForm

**Return Type:** None

Sets the corresponding field on the list item such that the field will be displayed in the **display form**.

**Parameters:**

*value:* A Boolean value that, when set to **true**, enables the field to be displayed in the display form. A value of **false** causes the field to not be displayed in the display form.

Type: CSOM Boolean

### 3.1.5.27.2.1.15 SetShowInEditForm

**Return Type:** None

Sets the corresponding field on the list item such that the field will be displayed in the **edit form**.

**Parameters:**

*value:* A Boolean value that, when set to **true**, enables the field to be displayed in the edit form. A value of **false** causes the field to not be displayed in the edit form.

Type: CSOM Boolean

### 3.1.5.27.2.1.16 SetShowInNewForm

**Return Type:** None

Sets the corresponding field on the list item such that the field will be displayed in the **new form**.

**Parameters:**

*value:* A Boolean that, when set to **true**, enables the field to be displayed in the new form. A value of **false** causes the field to not be displayed in the new form.

Type: CSOM Boolean

## 3.1.5.27.2.2 ObjectPath Methods

### 3.1.5.27.2.2.1 GetFieldValueAsTaxonomyFieldValueCollection

**Return Type:** Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValueCollection

Converts the specified string value into a **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) object.

**Remarks:**

The value parameter string MUST be formatted as a series of one or more string tokens separated by the ;# delimiter. Each token consists of an internal identifier, a label, and a path; for example, [ID;#LABEL|PATH].

[ID] is the internal identifier of the list item.

[LABEL] is the default **Label** of the corresponding **Term** (section [3.1.5.16](#)) in the **TermStore** (section [3.1.5.23](#)).

[PATH] is a string of GUIDs delimited by a pipe (|) character and terminating in the GUID that identifies the **Term**: [ROOT\_TERM\_GUID|...|PARENT\_TERM\_GUID|TERM\_GUID].

For example, the string [id1;#label1|path1;#id2;#label2|path2;#id3;#label3|path3] represents three **TaxonomyField** (section [3.1.5.27](#)) values that can be parsed into a **TaxonomyFieldValueCollection** object.

The **AllowMultipleValues** (section [3.1.5.27.1.1.1](#)) property determines whether the **TaxonomyField** object allows multiple values. If the **TaxonomyField** object does not allow multiple values, please use the **GetFieldValueAsTaxonomyFieldValue** (section [3.1.5.27.2.1.8](#)) method instead.

#### Exceptions:

Error Code	Error Type Name	Condition
-1	<b>SPFieldValidationException</b>	The given GUID does not exist in the <b>TermStore</b> .
-1	<b>InvalidOperationException</b>	Invalid operation. This <b>TaxonomyField</b> does not allow multiple values.

#### Parameters:

*value*: A formatted string containing identifier, label, and path information to convert into a **TaxonomyFieldValueCollection**.

Type: CSOM String

### 3.1.5.28 Microsoft.SharePoint.Client.Taxonomy.TaxonomyFieldValueCollection

**TypeId**: {C3DFAE10-F3BF-4894-9012-BB60665B6D91}

**ShortName**: SP.Taxonomy.TaxonomyFieldValueCollection

Represents the multi-value object for the taxonomy column.

#### 3.1.5.28.1 Properties

##### 3.1.5.28.1.1 Scalar Properties

None.

##### 3.1.5.28.1.2 ObjectPath Properties

None.

## 3.1.5.28.2 Methods

### 3.1.5.28.2.1 Scalar Methods

#### 3.1.5.28.2.1.1 PopulateFromLabelGuidPairs

**Return Type:** None

This method adds **TaxonomyFieldValue** (section [3.1.5.13](#)) objects based on the parsing of the text.

**Parameters:**

*text:* Values to add as a string.

Type: CSOM String

**Remarks:**

Values MUST be added as label/Guid pairs. The format is as follows: label|GUID This can be repeated multiple times delimited by a ;. All **WssId** values will be set to -1.

### 3.1.5.28.2.2 ObjectPath Methods

#### 3.1.5.28.2.2.1 CSOM Constructor

Creates a new instance of a **TaxonomyFieldValueCollection** (section [3.1.5.28](#)) that is bound to the creatingField parameter.

**Parameters:**

*fieldValue:* Field that this value is bound to.

Type: CSOM String

*creatingField:* String to parse for the value.

Type: Microsoft.SharePoint.Client.Field

The fieldValue MUST be in the format wss Id;#Label|Guid. This entry can be repeated for multiple values by repeating the ;# characters. If this value is not bound to a field, **TermGuid** (section [3.1.5.13.1.1.2](#)) can throw a MemberAccessException.

## 3.1.5.29 Microsoft.SharePoint.Client.Taxonomy.CustomPropertyMatchInformation

**TypeId:** {56747951-DF44-4BED-BF36-2B3BDDF587F9}

**ShortName:** SP.Taxonomy.CustomPropertyMatchInformation

This class is used as an input parameter for methods that retrieve objects based on specific custom property matching criteria.

**Remarks:**

For details about how to set each value of this class, please refer to the method that is using this class as an input parameter.



### 3.1.5.29.1 Properties

#### 3.1.5.29.1.1 Scalar Properties

##### 3.1.5.29.1.1.1 CustomPropertyName

**Type:** CSOM String

**Accessibility:** Read/Write

The custom property name with which to match.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	The value cannot be set to <b>null</b> .

##### 3.1.5.29.1.1.2 CustomPropertyValue

**Type:** CSOM String

**Accessibility:** Read/Write

The custom property value with which to match.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	The value cannot be set to <b>null</b> .

##### 3.1.5.29.1.1.3 ResultCollectionSize

**Type:** CSOM Int32

**Accessibility:** Read/Write

Indicates the maximum number of objects to include in the returned collection.

##### 3.1.5.29.1.1.4 StringMatchOption

**Type:** Microsoft.SharePoint.Client.Taxonomy.StringMatchOption

**Accessibility:** Read/Write

Indicates whether to search for custom property names and values that start with the specified strings, or search for those that exactly match the specified strings.

##### 3.1.5.29.1.1.5 TrimUnavailable

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Indicates whether to trim out **Term** (section [3.1.5.16](#)) objects that have the **IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) property set to false.

### 3.1.5.29.1.2 ObjectPath Properties

None.

### 3.1.5.29.2 Methods

#### 3.1.5.29.2.1 Scalar Methods

None.

#### 3.1.5.29.2.2 ObjectPath Methods

##### 3.1.5.29.2.2.1 CSOM Constructor

Constructs an instance of a **CustomPropertyMatchInformation** (section [3.1.5.29](#)) object with no values set.

**Parameters:** None

### 3.1.5.30 Microsoft.SharePoint.Client.Taxonomy.LabelMatchInformation

**TypeId:** {61A1D689-2744-4EA3-A88B-C95BEE9803AA}

**ShortName:** SP.Taxonomy.LabelMatchInformation

This class is used as an input parameter for methods that retrieve objects based on specific label matching criteria.

For details about how to set each value of this class, please refer to the method that is using this class as an input parameter.

#### 3.1.5.30.1 Properties

##### 3.1.5.30.1.1 Scalar Properties

###### 3.1.5.30.1.1.1 DefaultLabelOnly

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Indicates whether only default labels should be matched against in the search.

###### 3.1.5.30.1.1.2 ExcludeKeyword

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Indicates whether to exclude **Term** (section [3.1.5.16](#)) objects that are in the keywords term set (section [3.1.5.20](#)).

### 3.1.5.30.1.1.3 Lcid

**Type:** CSOM Int32

**Accessibility:** Read/Write

The language code identifier (LCID) of the **Term.Labels** (section [3.1.5.16.1.2.1](#)) to be matched.

### 3.1.5.30.1.1.4 ResultCollectionSize

**Type:** CSOM Int32

**Accessibility:** Read/Write

Indicates the maximum number of objects to include in the returned collection.

### 3.1.5.30.1.1.5 StringMatchOption

**Type:** Microsoft.SharePoint.Client.Taxonomy.StringMatchOption

**Accessibility:** Read/Write

Indicates whether to search for **Term.Labels** (section [3.1.5.16.1.2.1](#)) that start with the specified string, or those that have an exact match.

### 3.1.5.30.1.1.6 TermLabel

**Type:** CSOM String

**Accessibility:** Read/Write

The **Label** (section [3.1.5.10](#)) of the **Term** (section [3.1.5.16](#)) to get.

**Exceptions:**

Error Code	Error Type Name	Condition
-2147024809	<b>ArgumentException</b>	The value cannot be <b>null</b> .

### 3.1.5.30.1.1.7 TrimDeprecated

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Indicates whether to trim out **Term** (section [3.1.5.16](#)) objects that have **Term.IsDeprecated** (section [3.1.5.16.1.1.6](#)) set to true.

### 3.1.5.30.1.1.8 TrimUnavailable

**Type:** CSOM Boolean

**Accessibility:** Read/Write

Indicates whether to trim out **Term** (section [3.1.5.16](#)) objects that have the **Term.IsAvailableForTagging** (section [3.1.5.16.1.1.5](#)) property set to false.

### **3.1.5.30.1.2 ObjectPath Properties**

None.

### **3.1.5.30.2 Methods**

#### **3.1.5.30.2.1 Scalar Methods**

None.

#### **3.1.5.30.2.2 ObjectPath Methods**

##### **3.1.5.30.2.2.1 CSOM Constructor**

Constructs an instance of a **LabelMatchInformation** (section [3.1.5.30](#)) object with no values set.

**Parameters:** None

### **3.1.6 Timer Events**

None.

### **3.1.7 Other Local Events**

None.

## 4 Protocol Examples

The examples in this section demonstrate common usage scenarios around creating, adding, updating, and deleting terms in a term set. All of the examples use a group and term set that contains a hierarchical collection of conference room terms. The complete hierarchy is listed in the following table.

Name	Type	Id
Conferences	Group	{6F3CA467-B915-4901-A38E-907D4A048712}
Conference Rooms	Term Set	{E143C875-5A3C-4C38-B13F-ABE2CEDC1573}
Auditoriums	Term	{63161CAE-A38C-4C3B-976B-71F76506FD5B}
Auditorium C	Term	{B72D8AE6-E6A6-47FE-82D8-099F070FDD37}
Auditorium D	Term	{03AE29CE-739C-491B-A119-C79A5AA7FA0C}
Auditorium E	Term	{984DC45A-139F-426F-B0BF-AA1CD275E024}
Halls	Term	{AA770CFB-EB06-4091-9860-9FB6913A4FCF}
Hall A	Term	{80938290-52B2-4713-B32D-6E55D194E2EA}
Hall B	Term	{6CB787F9-5339-4024-9EFC-6D8BBC24C51D}
Hall C	Term	{28E647DB-BECF-4CAA-83EC-1A5293CE127A}

The example in section [4.1](#) creates the entire taxonomy using the ids as described in the previous table as needed. The remaining examples demonstrate adding, modifying, or removing terms from the term set. All of the examples use a **TermStore** (section [3.1.5.23](#)) named "Managed Metadata Service Application Proxy".

### 4.1 Create a New Group and Term Set

In this example, a new group and term set is created. The term set represents a collection of conference rooms as described in section [4](#).

The operation is summarized in the following steps.

1. The "Managed Metadata Service Application Proxy" **TermStore** object is retrieved by calling the **GetByName** method on the **TermStoreCollection** object.
2. The **CreateGroup** method is called on the **TermStore** object to create the "Conferences" group.
3. The **CreateTermSet** method is called on the **TermGroup** object to create the "Conference Rooms" term set.
4. The **CreateTerm** method is called on the **TermSet** object and subsequent **Term** objects to construct the hierarchy of conference room terms.

#### Request:

```
<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
```

```

<Actions>
  <ObjectPath Id="2" ObjectPathId="1" />
  <ObjectPath Id="4" ObjectPathId="3" />
  <ObjectPath Id="6" ObjectPathId="5" />
  <ObjectPath Id="8" ObjectPathId="7" />
  <ObjectPath Id="10" ObjectPathId="9" />
  <ObjectIdentityQuery Id="11" ObjectPathId="9" />
  <ObjectPath Id="13" ObjectPathId="12" />
  <ObjectPath Id="15" ObjectPathId="14" />
  <ObjectIdentityQuery Id="16" ObjectPathId="14" />
  <ObjectPath Id="18" ObjectPathId="17" />
  <ObjectIdentityQuery Id="19" ObjectPathId="17" />
  <ObjectPath Id="21" ObjectPathId="20" />
  <ObjectIdentityQuery Id="22" ObjectPathId="20" />
  <ObjectPath Id="24" ObjectPathId="23" />
  <ObjectIdentityQuery Id="25" ObjectPathId="23" />
  <ObjectPath Id="27" ObjectPathId="26" />
  <ObjectIdentityQuery Id="28" ObjectPathId="26" />
  <ObjectPath Id="30" ObjectPathId="29" />
  <ObjectIdentityQuery Id="31" ObjectPathId="29" />
  <ObjectPath Id="33" ObjectPathId="32" />
  <ObjectIdentityQuery Id="34" ObjectPathId="32" />
  <ObjectPath Id="36" ObjectPathId="35" />
  <ObjectIdentityQuery Id="37" ObjectPathId="35" />
  <ObjectPath Id="39" ObjectPathId="38" />
  <ObjectIdentityQuery Id="40" ObjectPathId="38" />
  <ObjectPath Id="42" ObjectPathId="41" />
  <ObjectIdentityQuery Id="43" ObjectPathId="41" />
  <Method Name="CommitAll" Id="44" ObjectPathId="9" />
</Actions>
<ObjectPaths>
  <StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
  <Property Id="3" ParentId="1" Name="Site" />
  <Constructor Id="5" TypeId="{981cbc68-9edc-4f8d-872f-71146fcbb84f}">
    <Parameters>
      <Parameter ObjectPathId="3" />
      <Parameter Type="Boolean">true</Parameter>
    </Parameters>
  </Constructor>
  <Property Id="7" ParentId="5" Name="TermStores" />
  <Method Id="9" ParentId="7" Name="GetByName">
    <Parameters>
      <Parameter Type="String">Managed Metadata Service Application Proxy</Parameter>
    </Parameters>
  </Method>
  <Constructor Id="12" TypeId="{981cbc68-9edc-4f8d-872f-71146fcbb84f}">
    <Parameters>
      <Parameter ObjectPathId="3" />
      <Parameter Type="Boolean">true</Parameter>
    </Parameters>
  </Constructor>
  <Method Id="14" ParentId="9" Name="CreateGroup">
    <Parameters>
      <Parameter Type="String">Conferences</Parameter>
    </Parameters>
  </Method>
  <Method Id="17" ParentId="14" Name="CreateTermSet">
    <Parameters>
      <Parameter Type="String">Conference Rooms</Parameter>
    </Parameters>
  </Method>

```

```

        <Parameter Type="Guid">{e143c875-5a3c-4c38-b13f-abe2cedc1573}</Parameter>
        <Parameter Type="Int32">1033</Parameter>
    </Parameters>
</Method>
<Method Id="20" ParentId="17" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Auditoriums</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{63161cae-a38c-4c3b-976b-71f76506fd5b}</Parameter>
    </Parameters>
</Method>
<Method Id="23" ParentId="20" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Auditorium C</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{b72d8ae6-e6a6-47fe-82d8-099f070fdd37}</Parameter>
    </Parameters>
</Method>
<Method Id="26" ParentId="20" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Auditorium D</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{03ae29ce-739c-491b-a119-c79a5aa7fa0c}</Parameter>
    </Parameters>
</Method>
<Method Id="29" ParentId="20" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Auditorium E</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{984dc45a-139f-426f-b0bf-aalcd275e024}</Parameter>
    </Parameters>
</Method>
<Method Id="32" ParentId="17" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Halls</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{aa770cfb-eb06-4091-9860-9fb6913a4fcf}</Parameter>
    </Parameters>
</Method>
<Method Id="35" ParentId="32" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Hall A</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{80938290-52b2-4713-b32d-6e55d194e2ea}</Parameter>
    </Parameters>
</Method>
<Method Id="38" ParentId="32" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Hall B</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{6cb787f9-5339-4024-9efc-6d8bbc24c51d}</Parameter>
    </Parameters>
</Method>
<Method Id="41" ParentId="32" Name="CreateTerm">
    <Parameters>
        <Parameter Type="String">Hall C</Parameter>
        <Parameter Type="Int32">1033</Parameter>
        <Parameter Type="Guid">{28e647db-becf-4caa-83ec-1a5293ce127a}</Parameter>
    </Parameters>

```

```
</Method>
</ObjectPaths>
</Request>
```

## Response:

```
[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
  },2,{
    "IsNull":false
  },4,{
    "IsNull":false
  },6,{
    "IsNull":false
  },8,{
    "IsNull":false
  },10,{
    "IsNull":false
  },11,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-c80d7802b224:st:TKE6KUANlkq7BYswGJADmQ=="
  },13,{
    "IsNull":false
  },15,{
    "IsNull":false
  },16,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:gr:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHQ="
  },18,{
    "IsNull":false
  },19,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:se:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPPhPFo4TLE\u002fq+LO3BVz"
  },21,{
    "IsNull":false
  },22,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPPhPFo4TLE\u002fq+LO3BVzrhWY4yj
00yXa3H3ZQb9Ww=="
  },24,{
    "IsNull":false
  },25,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPPhPFo4TLE\u002fq+LO3BVz5oott6bm
\u002fkeC2AmfBw\u002fdNw=="
  },27,{
    "IsNull":false
  },28,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPPhPFo4TLE\u002fq+LO3BVzzimuA5xz
G0mhGceaWqf6DA=="
  },30,{
    "IsNull":false
  },31,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPPhPFo4TLE\u002fq+LO3BVzWsrNmJ8T
b0Kwv6oc0nXgJA=="
  },33,{
    "IsNull":false
  }
]
```



```

}, 34, {
  "_ObjectIdentity_": "fec14c62-7c3b-481b-851b-c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgoJxHR1yEPHPPFo4TLE\u002fq+LO3BVz+wx3qgbrkUCYYJ+2kTpPzw=="
}, 36, {
  "IsNull": false
}, 37, {
  "_ObjectIdentity_": "fec14c62-7c3b-481b-851b-c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgoJxHR1yEPHPPFo4TLE\u002fq+LO3BVzkIKTgLJSE0ezLW5V0ZTi6g=="
}, 39, {
  "IsNull": false
}, 40, {
  "_ObjectIdentity_": "fec14c62-7c3b-481b-851b-c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgoJxHR1yEPHPPFo4TLE\u002fq+LO3BVz+Ye3bd1TJECe\u002fg2LvCTFHQ=="
}, 42, {
  "IsNull": false
}, 43, {
  "_ObjectIdentity_": "fec14c62-7c3b-481b-851b-c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgoJxHR1yEPHPPFo4TLE\u002fq+LO3BVz20fmKM++qkyD7BpSk84Seg=="
}
]

```

## 4.2 Retrieve a Term

In this example, the protocol client retrieves the term "Auditorium C" from the protocol server. The following operation retrieves the **Term** object (section [3.1.5.16](#)) named "Auditorium C" by calling the **GetTerms** method (section [3.1.5.20.2.2.6](#)) on the **TermSet** object (section [3.1.5.20](#)).

### Request:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="2" ObjectPathId="1" />
    <ObjectPath Id="4" ObjectPathId="3" />
    <ObjectPath Id="6" ObjectPathId="5" />
    <ObjectPath Id="8" ObjectPathId="7" />
    <ObjectPath Id="10" ObjectPathId="9" />
    <ObjectIdentityQuery Id="11" ObjectPathId="9" />
    <ObjectPath Id="13" ObjectPathId="12" />
    <Query Id="14" ObjectPathId="12">
      <Query SelectAllProperties="false">
        <Properties />
      </Query>
      <ChildItemQuery SelectAllProperties="false">
        <Properties>
          <Property Name="Name" ScalarProperty="true" />
        </Properties>
      </ChildItemQuery>
    </Query>
  </Actions>
  <ObjectPaths>
    <StaticProperty Id="1" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current"
  />

```

```

    <Property Id="3" ParentId="1" Name="Site" />
    <Constructor Id="5" TypeId="{981cbc68-9edc-4f8d-872f-71146fcbb84f}">
      <Parameters>
        <Parameter ObjectPathId="3" />
        <Parameter Type="Boolean">true</Parameter>
      </Parameters>
    </Constructor>
    <Property Id="7" ParentId="5" Name="TermStores" />
    <Method Id="9" ParentId="7" Name="GetByName">
      <Parameters>
        <Parameter Type="String">Managed Metadata Service Application
Proxy</Parameter>
      </Parameters>
    </Method>
    <Method Id="12" ParentId="9" Name="GetTerms">
      <Parameters>
        <Parameter Type="String">Auditorium C</Parameter>
        <Parameter Type="Boolean">true</Parameter>
      </Parameters>
    </Method>
  </ObjectPaths>
</Request>

```

The protocol server returns a **TermCollection** object (section [3.1.5.17](#)) that contains the **Term** object for "Auditorium C" and the requested **Name** property (section [3.1.5.16.1.1.12](#)).

#### Response:

```

[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
  },2,{
    "IsNull":false
  },4,{
    "IsNull":false
  },6,{
    "IsNull":false
  },8,{
    "IsNull":false
  },10,{
    "IsNull":false
  },11,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-c80d7802b224:st:TKE6KUAnlkq7BYswGJADmQ=="
  },13,{
    "IsNull":false
  },14,{
    "_ObjectType_":"SP.Taxonomy.TermCollection","_Child_Items_":[
      {
        "_ObjectType_":"SP.Taxonomy.Term","_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUAnlkq7BYswGJADmQGpI3ewiWBMvXAXIgoJxHRlyEPHPFo4TLE\u002fq+LO3BVz5oott6bm
\u002fkeC2AmfBw\u002fdNw==","Name":"Auditorium C"
      }
    ]
  }
]

```

### 4.3 Add a New Term

In this example, the protocol client adds a new term named "Hall D" to the conference rooms term set on the protocol server. The term will be added under the "Halls" term.

In the following operation, the protocol client retrieves the **Term** object (section [3.1.5.16](#)) for "Halls" by passing the correct **id** to the **GetTerm** method (section [3.1.5.23.2.2.4](#)) on the **TermStore** object (section [3.1.5.23](#)).

#### Request:

```
<Request AddExpandFieldSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="91" ObjectPathId="90" />
    <ObjectIdentityQuery Id="92" ObjectPathId="90" />
  </Actions>
  <ObjectPaths>
    <Method Id="90" ParentId="9" Name="GetTerm">
      <Parameters>
        <Parameter Type="Guid">{aa770cfb-eb06-4091-9860-9fb6913a4fcf}</Parameter>
      </Parameters>
    </Method>
    <Identity Id="9" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:st:TKE6KUANlkq7BYswGJADmQ==" />
  </ObjectPaths>
</Request>
```

The protocol server returns the **Term** object for "Halls."

#### Response:

```
[
{
  "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
},91,{
  "IsNull":false
},92,{
  "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgoJxHR1yEPhPFo4TLE\u002fq+LO3BVz+wx3qgbr
kUCYYJ+2kTpPzw=="
}
]
```

The protocol client then calls the **CreateTerm** method (section [3.1.5.16.2.2.3](#)) on the **Term** object to create the "Hall D" term.

#### Request:

```
<Request AddExpandFieldSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="95" ObjectPathId="94" />
    <ObjectIdentityQuery Id="96" ObjectPathId="94" />
    <Method Name="CommitAll" Id="97" ObjectPathId="9" />
  </Actions>
</Request>
```

```

</Actions>
<ObjectPaths>
  <Method Id="94" ParentId="90" Name="CreateTerm">
    <Parameters>
      <Parameter Type="String">Hall D</Parameter>
      <Parameter Type="Int32">1033</Parameter>
      <Parameter Type="Guid">{32d50796-39ed-44bb-9fb1-b991a532b128}</Parameter>
    </Parameters>
  </Method>
  <Identity Id="9" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:st:TKE6KUANlkq7BYswGJADmQ==" />
  <Identity Id="90" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPHPPFo4TLE/q+LO3BVz+wx3qgbrkUCYY
J+2kTpPzw==" />
</ObjectPaths>
</Request>

```

The protocol server returns the **Term** object of the new term.

#### Response:

```

[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
  },95,{
    "IsNull":false
  },96,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUANlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPHPPFo4TLE\u002fq+LO3BVz1gfvMu05
u0SfsbmRpTKxKA=="
  }
]

```

## 4.4 Delete an Existing Term

In this example, the protocol client deletes the term "Auditorium C" from the conference rooms term set on the protocol server.

In the following operation, the protocol client retrieves the **Term** object (section [3.1.5.16](#)) for "Auditorium C" by passing the correct id to the **GetTerm** method (section [3.1.5.23.2.2.4](#)) on the **TermStore** object (section [3.1.5.23](#)).

#### Request:

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="356" ObjectPathId="355" />
    <ObjectIdentityQuery Id="357" ObjectPathId="355" />
  </Actions>
  <ObjectPaths>
    <Method Id="355" ParentId="9" Name="GetTerm">
      <Parameters>
        <Parameter Type="Guid">{b72d8ae6-e6a6-47fe-82d8-099f070fdd37}</Parameter>
      </Parameters>
    </Method>
  </ObjectPaths>
</Request>

```

```

        </Method>
        <Identity Id="9" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:st:TKE6KUAnlkq7BYswGJADmQ==" />
    </ObjectPaths>
</Request>

```

The protocol server returns the **Term** object for "Auditorium C".

**Response:**

```

[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
  },356,{
    "IsNull":false
  },357,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUAnlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPHPPFo4TLE\u002fq+L03BVz6DCp8eJ3
dUi0jJ6nQaWEnw=="
  }
]

```

The protocol client then calls the **DeleteObject** method (section [3.1.5.16.2.1.2](#)) on the **Term** object. It also calls the **CommitAll** method (section [3.1.5.23.2.1.1](#)) on the **TermStore** object to commit the change.

**Request:**

```

<Request AddExpandoFieldTypeSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <Method Name="DeleteObject" Id="359" ObjectPathId="355" />
    <Method Name="CommitAll" Id="360" ObjectPathId="9" />
  </Actions>
  <ObjectPaths>
    <Identity Id="355" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUAnlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHR1yEPHPPFo4TLE/q+L03BVz6DCp8eJ3dUi0j
J6nQaWEnw==" />
    <Identity Id="9" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:st:TKE6KUAnlkq7BYswGJADmQ==" />
  </ObjectPaths>
</Request>

```

The protocol server returns no errors.

**Response:**

```

[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
  }
]

```

## 4.5 Add a New Label

In this example, the protocol client modifies the term "Hall A" on the protocol server by adding a new label named "Baker."

In the following operation, the protocol client retrieves the **Term** object (section [3.1.5.16](#)) for "Hall A" by passing the correct **id** to the **GetTerm** method (section [3.1.5.23.2.2.4](#)) on the **TermStore** object (section [3.1.5.23](#)).

### Request:

```
<Request AddExpandFieldSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="439" ObjectPathId="438" />
    <ObjectIdentityQuery Id="440" ObjectPathId="438" />
  </Actions>
  <ObjectPaths>
    <Method Id="438" ParentId="9" Name="GetTerm">
      <Parameters>
        <Parameter Type="Guid">{80938290-52b2-4713-b32d-6e55d194e2ea}</Parameter>
      </Parameters>
    </Method>
    <Identity Id="9" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:st:TKE6KUAnlkq7BYswGJADmQ==" />
  </ObjectPaths>
</Request>
```

The protocol server returns the **Term** object for "Hall A."

### Response:

```
[
{
  "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
},439,{
  "IsNull":false
},440,{
  "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUAnlkq7BYswGJADmQGPi3ewiWBMvXAXIgoJxHR1yEPHPFo4TLE\u002fq+LO3BVzkIKTgLJS
E0ezLW5V0ZTi6g=="
}
]
```

The protocol client then calls the **CreateLabel** method (section [3.1.5.16.2.2.2](#)) on the **Term** object to create the "Baker" label.

### Request:

```
<Request AddExpandFieldSuffix="true" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0"
ApplicationName=".NET Library"
xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009">
  <Actions>
    <ObjectPath Id="443" ObjectPathId="442" />
    <ObjectIdentityQuery Id="444" ObjectPathId="442" />
    <Method Name="CommitAll" Id="445" ObjectPathId="9" />
  </Actions>
</Request>
```

```

</Actions>
<ObjectPaths>
  <Method Id="442" ParentId="438" Name="CreateLabel">
    <Parameters>
      <Parameter Type="String">Baker</Parameter>
      <Parameter Type="Int32">1033</Parameter>
      <Parameter Type="Boolean">>false</Parameter>
    </Parameters>
  </Method>
  <Identity Id="9" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:st:TKE6KUAnlkq7BYswGJADmQ==" />
  <Identity Id="438" Name="fec14c62-7c3b-481b-851b-
c80d7802b224:te:TKE6KUAnlkq7BYswGJADmQgP3ewiWBMvXAXIgOJxHRlyEPhPFo4TLE/q+LO3BVzkIKTgLJSE0ezL
W5V0ZTi6g==" />
</ObjectPaths>
</Request>

```

The protocol server returns the new **Label** object (section [3.1.5.10](#)).

**Response:**

```

[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3410.1000","ErrorInfo":null
  },443,{
    "IsNull":false
  },444,{
    "_ObjectIdentity_":"fec14c62-7c3b-481b-851b-
c80d7802b224:la;1033;Baker;TKE6KUAnlkq7BYswGJADmQGpI3ewiWBMvXAXIgOJxHRlyEPhPFo4TLE\u002fq+LO
3BVzkIKTgLJSE0ezLW5V0ZTi6g=="
  }
]

```

## **5 Security**

### **5.1 Security Considerations for Implementers**

None.

### **5.2 Index of Security Parameters**

None.



## 6 Appendix A: 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 2013

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 3.1.5.23.1.1.7:](#) Content type syndication hub is a feature of SharePoint Server 2013, which provisions a site to be an Enterprise Metadata hub site.

## 7 Change Tracking

This section identifies changes that were made to the [MS-EMMCOSM] protocol document between the February 2013 and July 2013 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact [protocol@microsoft.com](mailto:protocol@microsoft.com).

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">3.1.5.15.2.2.4 GetTermsInDefaultLanguage</a>	Changed "yes" into "true" and changed "no" into "false".	N	Content updated.
<a href="#">3.1.5.15.2.2.5 GetTermsInWorkingLocale</a>	Changed "yes" into "true" and changed "no" into "false".	N	Content updated.
<a href="#">3.1.5.27.1.1.24 LookupWebId</a>	Changed "Web site (2)" into "website (2)".	N	Content updated.
<a href="#">3.1.5.27.1.1.31 Scope</a>	Changed "Web site (2)" into "website (2)".	N	Content updated.

## 8 Index

### A

Abstract data model  
[server](#) 19  
[Add a new label example](#) 150  
[Applicability](#) 16

### C

[Capability negotiation](#) 17  
[Change tracking](#) 154  
[Create a new group and term set example](#) 141

### D

Data model - abstract  
[server](#) 19  
[Delete an existing term example](#) 148

### E

Examples  
[add a new label](#) 150  
add a new term ([section 4.3](#) 147, [section 4.3](#) 147)  
[create a new group and term set](#) 141  
[delete an existing term](#) 148  
[overview](#) 141  
[retrieve a term](#) 145

### F

[Fields - vendor-extensible](#) 17

### G

[Glossary](#) 14

### H

Higher-layer triggered events  
[server](#) 19

### I

[Implementer - security considerations](#) 152  
[Index of security parameters](#) 152  
[Informative references](#) 16  
Initialization  
[server](#) 19  
[Introduction](#) 14

### M

[Message processing - server](#) 19  
Messages  
[transport](#) 18

### N

[Normative references](#) 15

### O

Other local events  
[server](#) 140  
[Overview \(synopsis\)](#) 16

### P

[Parameters - security index](#) 152  
[Preconditions](#) 16  
[Prerequisites](#) 16  
[Product behavior](#) 153

### R

[References](#) 15  
[informative](#) 16  
[normative](#) 15  
[Relationship to other protocols](#) 16  
[Retrieve a term example](#) 145

### S

Security  
[implementer considerations](#) 152  
[parameter index](#) 152  
[Sequencing rules - server](#) 19  
Server  
[abstract data model](#) 19  
[higher-layer triggered events](#) 19  
[initialization](#) 19  
[message processing](#) 19  
[other local events](#) 140  
[sequencing rules](#) 19  
[timer events](#) 140  
[timers](#) 19  
[Standards assignments](#) 17

### T

Timer events  
[server](#) 140  
Timers  
[server](#) 19  
[Tracking changes](#) 154  
[Transport](#) 18  
Triggered events - higher-layer  
[server](#) 19

### V

[Vendor-extensible fields](#) 17  
[Versioning](#) 17