

[MS-WMCSOM]:

Work Management Client-Side Object Model Protocol

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Preliminary

Revision Summary

Date	Revision History	Revision Class	Comments
1/20/2012	0.1	New	Released new document.
4/11/2012	0.1	No Change	No changes to the meaning, language, or formatting of the technical content.
7/16/2012	0.2	Major	Significantly changed the technical content.
9/12/2012	0.2	No Change	No changes to the meaning, language, or formatting of the technical content.
10/8/2012	1.0	Major	Significantly changed the technical content.
2/11/2013	2.0	Major	Significantly changed the technical content.
7/30/2013	2.1	Minor	Clarified the meaning of the technical content.
11/18/2013	2.1	No Change	No changes to the meaning, language, or formatting of the technical content.
2/10/2014	2.1	No Change	No changes to the meaning, language, or formatting of the technical content.
4/30/2014	2.2	Minor	Clarified the meaning of the technical content.
7/31/2014	2.3	Minor	Clarified the meaning of the technical content.
8/24/2015	3.0	Major	Significantly changed the technical content.

Table of Contents

1	Introduction	17
1.1	Glossary	17
1.2	References	18
1.2.1	Normative References	18
1.2.2	Informative References	18
1.3	Overview	19
1.4	Relationship to Other Protocols	19
1.5	Prerequisites/Preconditions	19
1.6	Applicability Statement	19
1.7	Versioning and Capability Negotiation	20
1.8	Vendor-Extensible Fields	20
1.9	Standards Assignments	20
2	Messages	21
2.1	Transport	21
2.2	Message Syntax	21
2.2.1	Common Exceptions	21
3	Protocol Details	22
3.1	Server Details	22
3.1.1	Abstract Data Model	22
3.1.2	Timers	22
3.1.3	Initialization	22
3.1.4	Higher-Layer Triggered Events	22
3.1.5	Message Processing Events and Sequencing Rules	22
3.1.5.1	Microsoft.SharePoint.WorkManagement.Client.BaseSession	22
3.1.5.1.1	Properties	22
3.1.5.1.1.1	Scalar Properties	22
3.1.5.1.1.2	ObjectPath Properties	22
3.1.5.1.2	Methods	22
3.1.5.1.2.1	Scalar Methods	23
3.1.5.1.2.1.1	BeginExchangeSync	23
3.1.5.1.2.1.2	IsExchangeJobPending	23
3.1.5.1.2.2	ObjectPath Methods	23
3.1.5.1.2.2.1	AddAttributeToTask	23
3.1.5.1.2.2.2	BeginCacheRefresh	23
3.1.5.1.2.2.3	CreateTask	23
3.1.5.1.2.2.4	DeleteTask	24
3.1.5.1.2.2.5	GetRefreshHistory	24
3.1.5.1.2.2.6	GetRefreshStatus	24
3.1.5.1.2.2.7	PinTask	25
3.1.5.1.2.2.8	RemoveAttributeFromTask	25
3.1.5.1.2.2.9	RemovePinOnTask	25
3.1.5.1.2.2.10	UpdateTaskWithLocalizedValue	25
3.1.5.1.2.2.11	GetCalloutInfo	26
3.1.5.1.2.2.12	ReadAllNonTaskData	26
3.1.5.1.2.2.13	RefreshSingleTask	26
3.1.5.1.2.2.14	GetRefreshHealthInfo	26
3.1.5.1.2.2.15	CreatePersonalTaskAndPromoteToProviderTask	26
3.1.5.1.2.2.16	PromotePersonalTaskToProviderTaskInLocation	27
3.1.5.2	Microsoft.SharePoint.WorkManagement.Client.BooleanCompareType	27
3.1.5.2.1	Field Values	27
3.1.5.2.1.1	NoValue	27
3.1.5.2.1.2	IsTrue	28
3.1.5.2.1.3	IsFalse	28

3.1.5.3	Microsoft.SharePoint.WorkManagement.Client.BooleanCriterion	28
3.1.5.3.1	Properties	28
3.1.5.3.1.1	Scalar Properties	28
3.1.5.3.1.1.1	CompareType	28
3.1.5.3.1.2	ObjectPath Properties	28
3.1.5.3.2	Methods	28
3.1.5.3.2.1	Scalar Methods	28
3.1.5.3.2.2	ObjectPath Methods	28
3.1.5.3.2.2.1	CSOM Constructor	28
3.1.5.4	Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult	28
3.1.5.4.1	Properties	29
3.1.5.4.1.1	Scalar Properties	29
3.1.5.4.1.1.1	CreatedJob	29
3.1.5.4.1.1.2	CurrentJobId	29
3.1.5.4.1.1.3	EncounteredError	29
3.1.5.4.1.2	ObjectPath Properties	29
3.1.5.4.2	Methods	29
3.1.5.4.2.1	Scalar Methods	29
3.1.5.4.2.2	ObjectPath Methods	29
3.1.5.5	Microsoft.SharePoint.WorkManagement.Client.CriterionConcatType	29
3.1.5.5.1	Field Values	29
3.1.5.5.1.1	NoValue	29
3.1.5.5.1.2	All	30
3.1.5.5.1.3	Any	30
3.1.5.6	Microsoft.SharePoint.WorkManagement.Client.CustomAttributeFilter	30
3.1.5.6.1	Properties	30
3.1.5.6.1.1	Scalar Properties	30
3.1.5.6.1.1.1	Attributes	30
3.1.5.6.1.1.2	ConcatType	30
3.1.5.6.1.2	ObjectPath Properties	30
3.1.5.6.2	Methods	30
3.1.5.6.2.1	Scalar Methods	30
3.1.5.6.2.2	ObjectPath Methods	30
3.1.5.6.2.2.1	CSOM Constructor	30
3.1.5.7	Microsoft.SharePoint.WorkManagement.Client.DashboardScriptExtensionInfo	31
3.1.5.7.1	Properties	31
3.1.5.7.1.1	Scalar Properties	31
3.1.5.7.1.1.1	ProviderKey	31
3.1.5.7.1.1.2	ScriptClass	31
3.1.5.7.1.1.3	ScriptData	31
3.1.5.7.1.1.4	ScriptFiles	31
3.1.5.7.1.2	ObjectPath Properties	31
3.1.5.7.2	Methods	31
3.1.5.7.2.1	Scalar Methods	31
3.1.5.7.2.2	ObjectPath Methods	31
3.1.5.8	Microsoft.SharePoint.WorkManagement.Client.DateRangeCriterion	32
3.1.5.8.1	Properties	32
3.1.5.8.1.1	Scalar Properties	32
3.1.5.8.1.1.1	RangeEndValue	32
3.1.5.8.1.1.2	RangeStartValue	32
3.1.5.8.1.2	ObjectPath Properties	32
3.1.5.8.2	Methods	32
3.1.5.8.2.1	Scalar Methods	32
3.1.5.8.2.2	ObjectPath Methods	32
3.1.5.8.2.2.1	CSOM Constructor	32
3.1.5.9	Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo	32
3.1.5.9.1	Properties	32
3.1.5.9.1.1	Scalar Properties	33

3.1.5.9.1.1.1	LatestRefreshTime.....	33
3.1.5.9.1.1.2	Succeeded.....	33
3.1.5.9.1.1.3	NewTasks.....	33
3.1.5.9.1.2	ObjectPath Properties.....	33
3.1.5.9.1.2.1	ProviderErrors.....	33
3.1.5.9.2	Methods.....	33
3.1.5.9.2.1	Scalar Methods.....	33
3.1.5.9.2.2	ObjectPath Methods.....	33
3.1.5.10	Microsoft.SharePoint.WorkManagement.Client.Location.....	33
3.1.5.10.1	Properties.....	33
3.1.5.10.1.1	Scalar Properties.....	33
3.1.5.10.1.1.1	Color.....	34
3.1.5.10.1.1.2	Id.....	34
3.1.5.10.1.1.3	Name.....	34
3.1.5.10.1.1.4	ParentId.....	34
3.1.5.10.1.1.5	RootProviderKey.....	34
3.1.5.10.1.1.6	Url.....	34
3.1.5.10.1.1.7	Important.....	34
3.1.5.10.1.2	ObjectPath Properties.....	34
3.1.5.10.2	Methods.....	35
3.1.5.10.2.1	Scalar Methods.....	35
3.1.5.10.2.2	ObjectPath Methods.....	35
3.1.5.10.2.2.1	CSOM Constructor.....	35
3.1.5.11	Microsoft.SharePoint.WorkManagement.Client.LocationClientCollection.....	35
3.1.5.11.1	Properties.....	35
3.1.5.11.1.1	Scalar Properties.....	35
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
3.1.5.12	Microsoft.SharePoint.WorkManagement.Client.LocationDisplaySetting.....	35
3.1.5.12.1	Properties.....	35
3.1.5.12.1.1	Scalar Properties.....	35
3.1.5.12.1.1.1	Color.....	35
3.1.5.12.1.1.2	Id.....	36
3.1.5.12.1.2	ObjectPath Properties.....	36
3.1.5.12.2	Methods.....	36
3.1.5.12.2.1	Scalar Methods.....	36
3.1.5.12.2.2	ObjectPath Methods.....	36
3.1.5.13	Microsoft.SharePoint.WorkManagement.Client.LocationFilter.....	36
3.1.5.13.1	Properties.....	36
3.1.5.13.1.1	Scalar Properties.....	36
3.1.5.13.1.1.1	LocationKeys.....	36
3.1.5.13.1.1.2	IncludeUncategorizedTasks.....	36
3.1.5.13.1.2	ObjectPath Properties.....	36
3.1.5.13.2	Methods.....	37
3.1.5.13.2.1	Scalar Methods.....	37
3.1.5.13.2.2	ObjectPath Methods.....	37
3.1.5.13.2.2.1	CSOM Constructor.....	37
3.1.5.14	Microsoft.SharePoint.WorkManagement.Client.LocationGroupClientCollection.....	37
3.1.5.14.1	Properties.....	37
3.1.5.14.1.1	Scalar Properties.....	37
3.1.5.14.1.2	ObjectPath Properties.....	37
3.1.5.14.2	Methods.....	37
3.1.5.14.2.1	Scalar Methods.....	37
3.1.5.14.2.2	ObjectPath Methods.....	37
3.1.5.14.2.2.1	CSOM Constructor.....	37

3.1.5.15	Microsoft.SharePoint.WorkManagement.Client.LocationOrientedSortableSession	37
3.1.5.15.1	Properties	38
3.1.5.15.1.1	Scalar Properties	38
3.1.5.15.1.2	ObjectPath Properties	38
3.1.5.15.2	Methods	38
3.1.5.15.2.1	Scalar Methods	38
3.1.5.15.2.1.1	MovePersonalTaskToLocation	38
3.1.5.15.2.1.2	BeginExchangeSync	38
3.1.5.15.2.1.3	IsExchangeJobPending	38
3.1.5.15.2.2	ObjectPath Methods	38
3.1.5.15.2.2.1	AddAttributeToTask	38
3.1.5.15.2.2.2	BeginCacheRefresh	39
3.1.5.15.2.2.3	CreateTask	39
3.1.5.15.2.2.4	DeleteTask	39
3.1.5.15.2.2.5	GetRefreshHistory	40
3.1.5.15.2.2.6	GetRefreshStatus	40
3.1.5.15.2.2.7	PinTask	40
3.1.5.15.2.2.8	ReadTasks	40
3.1.5.15.2.2.9	RemoveAttributeFromTask	40
3.1.5.15.2.2.10	RemovePinOnTask	41
3.1.5.15.2.2.11	UpdateTaskWithLocalizedValue	41
3.1.5.15.2.2.12	GetCalloutInfo	41
3.1.5.15.2.2.13	ReadAllNonTaskData	41
3.1.5.15.2.2.14	RefreshSingleTask	41
3.1.5.15.2.2.15	GetRefreshHealthInfo	42
3.1.5.15.2.2.16	CreatePersonalTaskAndPromoteToProviderTask	42
3.1.5.15.2.2.17	PromotePersonalTaskToProviderTaskInLocation	43
3.1.5.16	Microsoft.SharePoint.WorkManagement.Client.LocationOrientedUserOrderedSession	43
3.1.5.16.1	Properties	43
3.1.5.16.1.1	Scalar Properties	43
3.1.5.16.1.2	ObjectPath Properties	43
3.1.5.16.2	Methods	43
3.1.5.16.2.1	Scalar Methods	43
3.1.5.16.2.1.1	MovePersonalTaskToLocation	43
3.1.5.16.2.1.2	ReorderTask	44
3.1.5.16.2.1.3	BeginExchangeSync	44
3.1.5.16.2.1.4	IsExchangeJobPending	44
3.1.5.16.2.2	ObjectPath Methods	44
3.1.5.16.2.2.1	AddAttributeToTask	44
3.1.5.16.2.2.2	BeginCacheRefresh	44
3.1.5.16.2.2.3	CreateTask	45
3.1.5.16.2.2.4	DeleteTask	45
3.1.5.16.2.2.5	GetRefreshHistory	45
3.1.5.16.2.2.6	GetRefreshStatus	46
3.1.5.16.2.2.7	PinTask	46
3.1.5.16.2.2.8	ReadTasks	46
3.1.5.16.2.2.9	RemoveAttributeFromTask	46
3.1.5.16.2.2.10	RemovePinOnTask	47
3.1.5.16.2.2.11	UpdateTaskWithLocalizedValue	47
3.1.5.16.2.2.12	GetCalloutInfo	47
3.1.5.16.2.2.13	ReadAllNonTaskData	47
3.1.5.16.2.2.14	RefreshSingleTask	47
3.1.5.16.2.2.15	GetRefreshHealthInfo	48
3.1.5.16.2.2.16	CreatePersonalTaskAndPromoteToProviderTask	48
3.1.5.16.2.2.17	PromotePersonalTaskToProviderTaskInLocation	48

3.1.5.17	Microsoft.SharePoint.WorkManagement.Client.LocationUpdateResult	49
3.1.5.17.1	Properties	49
3.1.5.17.1.1	Scalar Properties	49
3.1.5.17.1.1.1	ActiveAddedCount	49
3.1.5.17.1.1.2	AddedCount	49
3.1.5.17.1.1.3	RemovedCount	49
3.1.5.17.1.1.4	RootLocationId	49
3.1.5.17.1.1.5	UpdatedCount	49
3.1.5.17.1.2	ObjectPath Properties	50
3.1.5.17.2	Methods	50
3.1.5.17.2.1	Scalar Methods	50
3.1.5.17.2.2	ObjectPath Methods	50
3.1.5.18	Microsoft.SharePoint.WorkManagement.Client.LocationUpdateResultClientCollection	50
3.1.5.18.1	Properties	50
3.1.5.18.1.1	Scalar Properties	50
3.1.5.18.1.2	ObjectPath Properties	50
3.1.5.18.2	Methods	50
3.1.5.18.2.1	Scalar Methods	50
3.1.5.18.2.2	ObjectPath Methods	50
3.1.5.19	Microsoft.SharePoint.WorkManagement.Client.NameCriterion	50
3.1.5.19.1	Properties	51
3.1.5.19.1.1	Scalar Properties	51
3.1.5.19.1.1.1	CompareType	51
3.1.5.19.1.1.2	CompareValue	51
3.1.5.19.1.2	ObjectPath Properties	51
3.1.5.19.2	Methods	51
3.1.5.19.2.1	Scalar Methods	51
3.1.5.19.2.2	ObjectPath Methods	51
3.1.5.19.2.2.1	CSOM Constructor	51
3.1.5.20	Microsoft.SharePoint.WorkManagement.Client.OrderInfo	51
3.1.5.20.1	Properties	51
3.1.5.20.1.1	Scalar Properties	51
3.1.5.20.1.1.1	Field	51
3.1.5.20.1.1.2	IsDescending	52
3.1.5.20.1.2	ObjectPath Properties	52
3.1.5.20.2	Methods	52
3.1.5.20.2.1	Scalar Methods	52
3.1.5.20.2.2	ObjectPath Methods	52
3.1.5.20.2.2.1	CSOM Constructor	52
3.1.5.21	Microsoft.SharePoint.WorkManagement.Client.PinAge	52
3.1.5.21.1	Field Values	52
3.1.5.21.1.1	NoValue	52
3.1.5.21.1.2	Fresh	52
3.1.5.21.1.3	Stale	52
3.1.5.22	Microsoft.SharePoint.WorkManagement.Client.PinnedState	52
3.1.5.22.1	Field Values	53
3.1.5.22.1.1	NoValue	53
3.1.5.22.1.2	Pinned	53
3.1.5.22.1.3	NotPinned	53
3.1.5.23	Microsoft.SharePoint.WorkManagement.Client.ProviderErrorInfo	53
3.1.5.23.1	Properties	53
3.1.5.23.1.1	Scalar Properties	53
3.1.5.23.1.1.1	CorrelationId	53
3.1.5.23.1.1.2	LastSuccessfulRefresh	53
3.1.5.23.1.1.3	LocalizedName	53
3.1.5.23.1.2	ObjectPath Properties	54

3.1.5.23.2	Methods	54
3.1.5.23.2.1	Scalar Methods	54
3.1.5.23.2.2	ObjectPath Methods	54
3.1.5.24	Microsoft.SharePoint.WorkManagement.Client.ProviderErrorInfoClientCollection	54
3.1.5.24.1	Properties	54
3.1.5.24.1.1	Scalar Properties	54
3.1.5.24.1.2	ObjectPath Properties	54
3.1.5.24.2	Methods	54
3.1.5.24.2.1	Scalar Methods	54
3.1.5.24.2.2	ObjectPath Methods	54
3.1.5.25	Microsoft.SharePoint.WorkManagement.Client.ProviderRefreshStatus	54
3.1.5.25.1	Properties	54
3.1.5.25.1.1	Scalar Properties	54
3.1.5.25.1.1.1	ProviderKey	54
3.1.5.25.1.1.2	ProviderLocalizedName	55
3.1.5.25.1.1.3	RefreshFinished	55
3.1.5.25.1.1.4	RefreshStarted	55
3.1.5.25.1.1.5	RootLocationId	55
3.1.5.25.1.2	ObjectPath Properties	55
3.1.5.25.2	Methods	55
3.1.5.25.2.1	Scalar Methods	55
3.1.5.25.2.2	ObjectPath Methods	55
3.1.5.26	Microsoft.SharePoint.WorkManagement.Client.ProviderRefreshStatusClientCollection	55
3.1.5.26.1	Properties	56
3.1.5.26.1.1	Scalar Properties	56
3.1.5.26.1.2	ObjectPath Properties	56
3.1.5.26.2	Methods	56
3.1.5.26.2.1	Scalar Methods	56
3.1.5.26.2.2	ObjectPath Methods	56
3.1.5.27	Microsoft.SharePoint.WorkManagement.Client.RefreshResult	56
3.1.5.27.1	Properties	56
3.1.5.27.1.1	Scalar Properties	56
3.1.5.27.1.1.1	AggregatorRefreshState	56
3.1.5.27.1.1.2	CorrelationId	56
3.1.5.27.1.1.3	RefreshFinished	56
3.1.5.27.1.1.4	RefreshId	57
3.1.5.27.1.2	ObjectPath Properties	57
3.1.5.27.1.2.1	TaskChangesByLocation	57
3.1.5.27.1.2.2	ProviderStatuses	57
3.1.5.27.2	Methods	57
3.1.5.27.2.1	Scalar Methods	57
3.1.5.27.2.2	ObjectPath Methods	57
3.1.5.28	Microsoft.SharePoint.WorkManagement.Client.RefreshEventInfoClientCollection	57
3.1.5.28.1	Properties	57
3.1.5.28.1.1	Scalar Properties	57
3.1.5.28.1.2	ObjectPath Properties	57
3.1.5.28.2	Methods	57
3.1.5.28.2.1	Scalar Methods	57
3.1.5.28.2.2	ObjectPath Methods	58
3.1.5.29	Microsoft.SharePoint.WorkManagement.Client.RefreshHistory	58
3.1.5.29.1	Properties	58
3.1.5.29.1.1	Scalar Properties	58
3.1.5.29.1.2	ObjectPath Properties	58
3.1.5.29.1.2.1	Refreshes	58

3.1.5.29.2	Methods	58
3.1.5.29.2.1	Scalar Methods	58
3.1.5.29.2.2	ObjectPath Methods	58
3.1.5.30	Microsoft.SharePoint.WorkManagement.Client.RefreshState	58
3.1.5.30.1	Field Values	58
3.1.5.30.1.1	NoValue	58
3.1.5.30.1.2	Pending	59
3.1.5.30.1.3	Ignored	59
3.1.5.30.1.4	Succeeded	59
3.1.5.30.1.5	Failed	59
3.1.5.31	Microsoft.SharePoint.WorkManagement.Client.SortableSession	59
3.1.5.31.1	Properties	59
3.1.5.31.1.1	Scalar Properties	59
3.1.5.31.1.2	ObjectPath Properties	59
3.1.5.31.2	Methods	59
3.1.5.31.2.1	Scalar Methods	59
3.1.5.31.2.1.1	BeginExchangeSync	59
3.1.5.31.2.1.2	IsExchangeJobPending	59
3.1.5.31.2.2	ObjectPath Methods	60
3.1.5.31.2.2.1	AddAttributeToTask	60
3.1.5.31.2.2.2	BeginCacheRefresh	60
3.1.5.31.2.2.3	CreateTask	60
3.1.5.31.2.2.4	DeleteTask	61
3.1.5.31.2.2.5	GetRefreshHistory	61
3.1.5.31.2.2.6	GetRefreshStatus	61
3.1.5.31.2.2.7	PinTask	61
3.1.5.31.2.2.8	ReadTasks	61
3.1.5.31.2.2.9	RemoveAttributeFromTask	62
3.1.5.31.2.2.10	RemovePinOnTask	62
3.1.5.31.2.2.11	UpdateTaskWithLocalizedValue	62
3.1.5.31.2.2.12	GetCalloutInfo	62
3.1.5.31.2.2.13	ReadAllNonTaskData	63
3.1.5.31.2.2.14	RefreshSingleTask	63
3.1.5.31.2.2.15	GetRefreshHealthInfo	63
3.1.5.31.2.2.16	CreatePersonalTaskAndPromoteToProviderTask	63
3.1.5.31.2.2.17	PromotePersonalTaskToProviderTaskInLocation	64
3.1.5.32	Microsoft.SharePoint.WorkManagement.Client.SortableSessionManager	64
3.1.5.32.1	Properties	64
3.1.5.32.1.1	Scalar Properties	64
3.1.5.32.1.2	ObjectPath Properties	64
3.1.5.32.2	Methods	64
3.1.5.32.2.1	Scalar Methods	64
3.1.5.32.2.2	ObjectPath Methods	65
3.1.5.32.2.2.1	CreateLocationOrientedSession	65
3.1.5.32.2.2.2	CreateSession	65
3.1.5.32.2.2.3	CSOM Constructor	65
3.1.5.33	Microsoft.SharePoint.WorkManagement.Client.SortableTaskField	65
3.1.5.33.1	Field Values	65
3.1.5.33.1.1	NoValue	65
3.1.5.33.1.2	IsCompleted	65
3.1.5.33.1.3	Id	65
3.1.5.33.1.4	DueDate	65
3.1.5.33.1.5	Description	66
3.1.5.33.1.6	PinAge	66
3.1.5.33.1.7	Location	66
3.1.5.33.1.8	LastModified	66
3.1.5.33.1.9	DiscoveredDate	66
3.1.5.33.1.10	Title	66

3.1.5.34	Microsoft.SharePoint.WorkManagement.Client.SortableTaskQuery	66
3.1.5.34.1	Properties	66
3.1.5.34.1.1	Scalar Properties	66
3.1.5.34.1.2	ObjectPath Properties	66
3.1.5.34.1.2.1	CoreQuery	66
3.1.5.34.1.2.2	Order	67
3.1.5.34.2	Methods	67
3.1.5.34.2.1	Scalar Methods	67
3.1.5.34.2.2	ObjectPath Methods	67
3.1.5.34.2.2.1	CSOM Constructor	67
3.1.5.35	Microsoft.SharePoint.WorkManagement.Client.StringCompareType	67
3.1.5.35.1	Field Values	67
3.1.5.35.1.1	NoValue	67
3.1.5.35.1.2	Equals	67
3.1.5.35.1.3	Contains	67
3.1.5.35.1.4	BeginsWith	67
3.1.5.36	Microsoft.SharePoint.WorkManagement.Client.Task	68
3.1.5.36.1	Properties	68
3.1.5.36.1.1	Scalar Properties	68
3.1.5.36.1.1.1	CustomAttributes	68
3.1.5.36.1.1.2	Description	68
3.1.5.36.1.1.3	DueDate	68
3.1.5.36.1.1.4	EditUrl	68
3.1.5.36.1.1.5	Id	68
3.1.5.36.1.1.6	IsCompleted	68
3.1.5.36.1.1.7	IsPersonal	69
3.1.5.36.1.1.8	LastModified	69
3.1.5.36.1.1.9	Name	69
3.1.5.36.1.1.10	PinAge	69
3.1.5.36.1.1.11	SerializedCustomDataForClient	69
3.1.5.36.1.1.12	StartDate	69
3.1.5.36.1.1.13	LocationId	69
3.1.5.36.1.1.14	IsReadOnly	69
3.1.5.36.1.2	ObjectPath Properties	70
3.1.5.36.2	Methods	70
3.1.5.36.2.1	Scalar Methods	70
3.1.5.36.2.2	ObjectPath Methods	70
3.1.5.36.2.2.1	CSOM Constructor	70
3.1.5.37	Microsoft.SharePoint.WorkManagement.Client.TaskClientCollection	70
3.1.5.37.1	Properties	70
3.1.5.37.1.1	Scalar Properties	70
3.1.5.37.1.2	ObjectPath Properties	70
3.1.5.37.2	Methods	70
3.1.5.37.2.1	Scalar Methods	70
3.1.5.37.2.2	ObjectPath Methods	70
3.1.5.37.2.2.1	CSOM Constructor	70
3.1.5.38	Microsoft.SharePoint.WorkManagement.Client.TaskFilter	70
3.1.5.38.1	Properties	71
3.1.5.38.1.1	Scalar Properties	71
3.1.5.38.1.1.1	CriterionConcatType	71
3.1.5.38.1.1.2	IdsToFilterBy	71
3.1.5.38.1.2	ObjectPath Properties	71
3.1.5.38.1.2.1	CompletedCriterion	71
3.1.5.38.1.2.2	DueDateRangeCriterion	71
3.1.5.38.1.2.3	IsNewCriterion	71
3.1.5.38.1.2.4	NameCriterion	71
3.1.5.38.1.2.5	StartDateRangeCriterion	71
3.1.5.38.2	Methods	72

3.1.5.38.2.1	Scalar Methods	72
3.1.5.38.2.2	ObjectPath Methods	72
3.1.5.38.2.2.1	CSOM Constructor	72
3.1.5.39	Microsoft.SharePoint.WorkManagement.Client.TaskQuery	72
3.1.5.39.1	Properties	72
3.1.5.39.1.1	Scalar Properties	72
3.1.5.39.1.1.1	KeywordFilter	72
3.1.5.39.1.1.2	LastQueryTime	72
3.1.5.39.1.1.3	PinnedFilter	72
3.1.5.39.1.2	ObjectPath Properties	72
3.1.5.39.1.2.1	CustomAttributeFilter	73
3.1.5.39.1.2.2	FieldFilter	73
3.1.5.39.1.2.3	LastModifiedDateRangeFilter	73
3.1.5.39.1.2.4	LocationFilter	73
3.1.5.39.2	Methods	73
3.1.5.39.2.1	Scalar Methods	73
3.1.5.39.2.2	ObjectPath Methods	73
3.1.5.39.2.2.1	CSOM Constructor	73
3.1.5.40	Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult	73
3.1.5.40.1	Properties	73
3.1.5.40.1.1	Scalar Properties	73
3.1.5.40.1.1.1	Error	74
3.1.5.40.1.1.2	ErrorMessage	74
3.1.5.40.1.2	ObjectPath Properties	74
3.1.5.40.1.2.1	Result	74
3.1.5.40.2	Methods	74
3.1.5.40.2.1	Scalar Methods	74
3.1.5.40.2.2	ObjectPath Methods	74
3.1.5.41	Microsoft.SharePoint.WorkManagement.Client.UserOrderedSession	74
3.1.5.41.1	Properties	74
3.1.5.41.1.1	Scalar Properties	74
3.1.5.41.1.2	ObjectPath Properties	74
3.1.5.41.2	Methods	74
3.1.5.41.2.1	Scalar Methods	74
3.1.5.41.2.1.1	ReorderTask	75
3.1.5.41.2.1.2	BeginExchangeSync	75
3.1.5.41.2.1.3	IsExchangeJobPending	75
3.1.5.41.2.2	ObjectPath Methods	75
3.1.5.41.2.2.1	AddAttributeToTask	75
3.1.5.41.2.2.2	BeginCacheRefresh	75
3.1.5.41.2.2.3	CreateTask	76
3.1.5.41.2.2.4	DeleteTask	76
3.1.5.41.2.2.5	GetRefreshHistory	76
3.1.5.41.2.2.6	GetRefreshStatus	77
3.1.5.41.2.2.7	PinTask	77
3.1.5.41.2.2.8	ReadTasks	77
3.1.5.41.2.2.9	RemoveAttributeFromTask	77
3.1.5.41.2.2.10	RemovePinOnTask	77
3.1.5.41.2.2.11	UpdateTaskWithLocalizedValue	78
3.1.5.41.2.2.12	GetCalloutInfo	78
3.1.5.41.2.2.13	ReadAllNonTaskData	78
3.1.5.41.2.2.14	RefreshSingleTask	78
3.1.5.41.2.2.15	GetRefreshHealthInfo	78
3.1.5.41.2.2.16	CreatePersonalTaskAndPromoteToProviderTask	79
3.1.5.41.2.2.17	PromotePersonalTaskToProviderTaskInLocation	79
3.1.5.42	Microsoft.SharePoint.WorkManagement.Client.UserOrderedSessionManager	80
3.1.5.42.1	Properties	80
3.1.5.42.1.1	Scalar Properties	80

3.1.5.42.1.2	ObjectPath Properties	80
3.1.5.42.2	Methods	80
3.1.5.42.2.1	Scalar Methods	80
3.1.5.42.2.2	ObjectPath Methods	80
3.1.5.42.2.2.1	CreateLocationOrientedSession	80
3.1.5.42.2.2.2	CreateSession	80
3.1.5.42.2.2.3	CSOM Constructor	80
3.1.5.43	Microsoft.SharePoint.WorkManagement.Client.UserSettings	81
3.1.5.43.1	Properties.....	81
3.1.5.43.1.1	Scalar Properties.....	81
3.1.5.43.1.1.1	DaysAfterCurrentDateTimelineEnds	81
3.1.5.43.1.1.2	DaysATaskIsConsideredNewTask	81
3.1.5.43.1.1.3	DaysBeforeCurrentDateTimelineStarts.....	81
3.1.5.43.1.1.4	ImportantTasksLimit.....	81
3.1.5.43.1.1.5	InactiveMonthsBeforeLocationExpiration.....	81
3.1.5.43.1.1.6	LateTasksLimit	81
3.1.5.43.1.1.7	OldTasksLimit	82
3.1.5.43.1.1.8	UpcomingTasksLimit	82
3.1.5.43.1.1.9	ImportantLocationIds.....	82
3.1.5.43.1.2	ObjectPath Properties	82
3.1.5.43.2	Methods	82
3.1.5.43.2.1	Scalar Methods	82
3.1.5.43.2.2	ObjectPath Methods	82
3.1.5.43.2.2.1	CSOM Constructor	82
3.1.5.44	Microsoft.SharePoint.WorkManagement.Client.UserSettingsManager	82
3.1.5.44.1	Properties.....	82
3.1.5.44.1.1	Scalar Properties.....	82
3.1.5.44.1.2	ObjectPath Properties.....	82
3.1.5.44.2	Methods	83
3.1.5.44.2.1	Scalar Methods.....	83
3.1.5.44.2.1.1	SetUserSettings	83
3.1.5.44.2.1.2	IsExchangeJobPending	83
3.1.5.44.2.1.3	OptIntoExchangeSync.....	83
3.1.5.44.2.1.4	OptOutOfExchangeSync	83
3.1.5.44.2.1.5	SetPersistedProperties	83
3.1.5.44.2.2	ObjectPath Methods	83
3.1.5.44.2.2.1	GetAllLocations	84
3.1.5.44.2.2.2	GetImportantLocations.....	84
3.1.5.44.2.2.3	GetUserSettings	84
3.1.5.44.2.2.4	GetLocations.....	84
3.1.5.44.2.2.5	CSOM Constructor	84
3.1.5.44.2.2.6	GetExchangeSyncInfo	84
3.1.5.44.2.2.7	GetPersistedProperties	84
3.1.5.45	Microsoft.SharePoint.WorkManagement.Client.ViewSelectionInfo	85
3.1.5.45.1	Properties.....	85
3.1.5.45.1.1	Scalar Properties.....	85
3.1.5.45.1.1.1	Id.....	85
3.1.5.45.1.1.2	Image.....	85
3.1.5.45.1.1.3	Name.....	85
3.1.5.45.1.2	ObjectPath Properties.....	85
3.1.5.45.2	Methods	85
3.1.5.45.2.1	Scalar Methods.....	85
3.1.5.45.2.2	ObjectPath Methods	85
3.1.5.45.2.2.1	CSOM Constructor	85
3.1.5.46	Microsoft.SharePoint.WorkManagement.Client.WritableTaskField.....	85
3.1.5.46.1	Field Values	86
3.1.5.46.1.1	NoValue.....	86
3.1.5.46.1.2	IsCompleted.....	86

3.1.5.46.1.3	DueDate	86
3.1.5.46.1.4	Description.....	86
3.1.5.46.1.5	Title	86
3.1.5.46.1.6	EditUrl	86
3.1.5.46.1.7	StartDate.....	86
3.1.5.47	Microsoft.SharePoint.WorkManagement.Client.WriteFieldType.....	86
3.1.5.47.1	Field Values	86
3.1.5.47.1.1	NoValue.....	87
3.1.5.47.1.2	TaskNotFound	87
3.1.5.47.1.3	InvalidInput	87
3.1.5.47.1.4	TaskDeleted	87
3.1.5.47.1.5	FieldConflict	87
3.1.5.47.1.6	Validation	87
3.1.5.47.1.7	LocationInvalid	87
3.1.5.47.1.8	Unknown	87
3.1.5.47.1.9	DueDateInvalid.....	87
3.1.5.47.1.10	StartDateInvalid	87
3.1.5.47.1.11	DescriptionInvalid	88
3.1.5.47.1.12	IsCompletedInvalid	88
3.1.5.47.1.13	TitleInvalid.....	88
3.1.5.47.1.14	EditUrlInvalid	88
3.1.5.47.1.15	AccessDenied	88
3.1.5.47.1.16	PromoteTargetTaskNotPersonal	88
3.1.5.47.1.17	PromotionFailedInProvider	88
3.1.5.48	Microsoft.SharePoint.WorkManagement.Client.PrivacyType	88
3.1.5.48.1	Field Values	88
3.1.5.48.1.1	None	88
3.1.5.48.1.2	Personal	88
3.1.5.48.1.3	Public	89
3.1.5.49	Microsoft.SharePoint.WorkManagement.Client.CalloutInfo	89
3.1.5.49.1	Properties.....	89
3.1.5.49.1.1	Scalar Properties.....	89
3.1.5.49.1.1.1	Contacts.....	89
3.1.5.49.1.1.2	DirectLinkTitle.....	89
3.1.5.49.1.1.3	DirectLinkUrl.....	89
3.1.5.49.1.1.4	Hierarchy	89
3.1.5.49.1.1.5	Predecessors.....	89
3.1.5.49.1.1.6	Successors	90
3.1.5.49.1.1.7	Title.....	90
3.1.5.49.1.1.8	Url.....	90
3.1.5.49.1.2	ObjectPath Properties.....	90
3.1.5.49.2	Methods	90
3.1.5.49.2.1	Scalar Methods.....	90
3.1.5.49.2.2	ObjectPath Methods	90
3.1.5.50	Microsoft.SharePoint.WorkManagement.Client.DashboardScriptExtensionInfoClientCollection	90
3.1.5.50.1	Properties.....	90
3.1.5.50.1.1	Scalar Properties.....	90
3.1.5.50.1.2	ObjectPath Properties.....	90
3.1.5.50.2	Methods	91
3.1.5.50.2.1	Scalar Methods.....	91
3.1.5.50.2.2	ObjectPath Methods	91
3.1.5.51	Microsoft.SharePoint.WorkManagement.Client.ExchangeOptInResult	91
3.1.5.51.1	Field Values	91
3.1.5.51.1.1	NoValue.....	91
3.1.5.51.1.2	Success	91
3.1.5.51.1.3	UnknownError	91

3.1.5.51.1.4	CouldNotConnectToExchange	91
3.1.5.51.1.5	CouldNotFindOrCreateMySite	91
3.1.5.51.1.6	UserAlreadyOptedIn	91
3.1.5.51.1.7	UserExchangeOperationPending	92
3.1.5.51.1.8	UnsupportedExchangeVersion	92
3.1.5.51.1.9	MissingEmailAddress	92
3.1.5.51.1.10	ExchangeWebServiceClientMissing	92
3.1.5.51.1.11	UnsupportedSharePointConfiguration	92
3.1.5.51.1.12	InvalidOrUnauthorizedUser	92
3.1.5.51.1.13	CouldNotActivateExchangeSyncFeatureOnSiteSubscription	92
3.1.5.52	Microsoft.SharePoint.WorkManagement.Client.ExchangeSyncResult	92
3.1.5.52.1	Field Values	92
3.1.5.52.1.1	NoValue	92
3.1.5.52.1.2	Success	93
3.1.5.52.1.3	UnknownError	93
3.1.5.52.1.4	CouldNotConnectToExchange	93
3.1.5.52.1.5	CouldNotGetUserCredentials	93
3.1.5.52.1.6	CouldNotKickoffJob	93
3.1.5.52.1.7	SyncWithErrors	93
3.1.5.53	Microsoft.SharePoint.WorkManagement.Client.ExchangeUserSyncState	93
3.1.5.53.1	Properties	93
3.1.5.53.1.1	Scalar Properties	93
3.1.5.53.1.1.1	IsOptedIn	93
3.1.5.53.1.1.2	LastEndTime	93
3.1.5.53.1.1.3	LastSyncResult	94
3.1.5.53.1.2	ObjectPath Properties	94
3.1.5.53.2	Methods	94
3.1.5.53.2.1	Scalar Methods	94
3.1.5.53.2.2	ObjectPath Methods	94
3.1.5.54	Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult	94
3.1.5.54.1	Properties	94
3.1.5.54.1.1	Scalar Properties	94
3.1.5.54.1.2	ObjectPath Properties	94
3.1.5.54.1.2.1	AllLocatons	94
3.1.5.54.1.2.2	PersistedProperties	94
3.1.5.54.1.2.3	RefreshHistory	95
3.1.5.54.1.2.4	ScriptExtensions	95
3.1.5.54.1.2.5	UserSettings	95
3.1.5.54.2	Methods	95
3.1.5.54.2.1	Scalar Methods	95
3.1.5.54.2.2	ObjectPath Methods	95
3.1.5.55	Microsoft.SharePoint.WorkManagement.Client.PersistedProperties	95
3.1.5.55.1	Properties	95
3.1.5.55.1.1	Scalar Properties	95
3.1.5.55.1.1.1	FilteredLocationIds	95
3.1.5.55.1.1.2	GroupByProjects	95
3.1.5.55.1.1.3	HasShownMarkAsImportantCallout	96
3.1.5.55.1.1.4	HasShownTaskListTooLongNotification	96
3.1.5.55.1.1.5	QuickLaunchLandingPage	96
3.1.5.55.1.2	ObjectPath Properties	96
3.1.5.55.2	Methods	96
3.1.5.55.2.1	Scalar Methods	96
3.1.5.55.2.2	ObjectPath Methods	96
3.1.5.55.2.2.1	CSOM Constructor	96
3.1.5.56	Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult	96
3.1.5.56.1	Properties	96
3.1.5.56.1.1	Scalar Properties	96
3.1.5.56.1.1.1	ErrorCorrelationId	97

3.1.5.56.1.1.2	RefreshState.....	97
3.1.5.56.1.2	ObjectPath Properties.....	97
3.1.5.56.1.2.1	Result.....	97
3.1.5.56.2	Methods.....	97
3.1.5.56.2.1	Scalar Methods.....	97
3.1.5.56.2.2	ObjectPath Methods.....	97
3.1.5.57	Microsoft.SharePoint.WorkManagement.Client.TaskQueryByLocationResult... 97	
3.1.5.57.1	Properties.....	97
3.1.5.57.1.1	Scalar Properties.....	97
3.1.5.57.1.1.1	Error.....	97
3.1.5.57.1.1.2	ErrorMessage.....	98
3.1.5.57.1.2	ObjectPath Properties.....	98
3.1.5.57.1.2.1	Results.....	98
3.1.5.57.2	Methods.....	98
3.1.5.57.2.1	Scalar Methods.....	98
3.1.5.57.2.2	ObjectPath Methods.....	98
3.1.5.58	Microsoft.SharePoint.WorkManagement.Client.TaskQueryErrorType..... 98	
3.1.5.58.1	Field Values.....	98
3.1.5.58.1.1	NoValue.....	98
3.1.5.58.1.2	QueryThrottled.....	98
3.1.5.59	Microsoft.SharePoint.WorkManagement.Client.TaskQueryResult..... 98	
3.1.5.59.1	Properties.....	98
3.1.5.59.1.1	Scalar Properties.....	98
3.1.5.59.1.1.1	Error.....	99
3.1.5.59.1.1.2	ErrorMessage.....	99
3.1.5.59.1.2	ObjectPath Properties.....	99
3.1.5.59.1.2.1	Results.....	99
3.1.5.59.2	Methods.....	99
3.1.5.59.2.1	Scalar Methods.....	99
3.1.5.59.2.2	ObjectPath Methods.....	99
3.1.6	Timer Events.....	99
3.1.7	Other Local Events.....	99
4	Protocol Examples.....	100
4.1	Retrieving Active Tasks for a User.....	100
4.2	Updating a Task.....	103
4.3	Creating a New Task.....	103
5	Security.....	106
5.1	Security Considerations for Implementers.....	106
5.2	Index of Security Parameters.....	106
6	Appendix A: Product Behavior.....	107
7	Change Tracking.....	108
8	Index.....	110

1 Introduction

The Work Management Client-Side Object Model Protocol defines types, methods, and properties that protocol clients use to access and manipulate **tasks (2)** assigned to a user on a protocol **server** that proxies to a Work Management **service application**.

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 [\[RFC2119\]](#). Sections 1.5 and 1.9 are also normative but do not contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are specific to this document:

CSOM array: An ordered collection of values that can be used in an XML request or JSON response text. The values are identified by their position and their position is determined by a zero-based integer index.

CSOM Boolean: A Boolean value that can be used in an XML request or JSON response text. A CSOM Boolean value is either "true" or "false".

CSOM DateTime: An Int64 value that represents the number of 100-nanosecond time intervals that have elapsed since 12:00:00, January 1, 0001. It can be used in an XML request or as a string in JSON response text. The value can represent time intervals through 23:59:59.9999999, December 31, 9999. It can also specify whether a local, UTC, or no time zone applies.

CSOM Int32: A 32-bit, signed integer value, which is the INT32 type described in [\[MS-DTYP\]](#), that can be used in an XML request or as a number in JSON response text. The range of CSOM Int32 values is from "-2147483648" to "2147483647".

CSOM String: A representation of text as a series of Unicode characters. It can be used in an XML request or JSON response text.

CSOM UInt32: A 32-bit, unsigned integer value, which is the UINT32 type described in [\[MS-DTYP\]](#), that can be used in an XML request or as a number in JSON response text. The range of CSOM UInt32 values is from "0" to "4294967295".

endpoint: A communication port that is exposed by an application server for a specific shared service and to which messages can be addressed.

Hypertext Transfer Protocol (HTTP): An application-level protocol for distributed, collaborative, hypermedia information systems (text, graphic images, sound, video, and other multimedia files) on the World Wide Web.

Hypertext Transfer Protocol Secure (HTTPS): An extension of HTTP that securely encrypts and decrypts web page requests. In some older protocols, "Hypertext Transfer Protocol over Secure Sockets Layer" is still used (Secure Sockets Layer has been deprecated). For more information, see [\[SSL3\]](#) and [\[RFC5246\]](#).

list: A container within a SharePoint site that stores list items. A list has a customizable schema that is composed of one or more fields.

server: A replicating machine that sends replicated files to a partner (client). The term "server" refers to the machine acting in response to requests from partners that want to receive replicated files.

service application: A middle-tier application that runs without any user interface components and supports other applications by performing tasks such as retrieving or modifying data in a database.

session: A representation of application data in system memory. It is used to maintain state for application data that is being manipulated or monitored on a protocol server by a user.

site: A group of related pages and data within a SharePoint site collection. The structure and content of a site is based on a site definition. Also referred to as SharePoint site and web site.

task: (1) An act to be executed by all query servers, and any requisite information for those query servers to execute that act correctly.

(2) An object (1) that represents an assignment to be completed.

Uniform Resource Identifier (URI): A string that identifies a resource. The URI is an addressing mechanism defined in Internet Engineering Task Force (IETF) Uniform Resource Identifier (URI): Generic Syntax [\[RFC3986\]](#).

Uniform Resource Locator (URL): A string of characters in a standardized format that identifies a document or resource on the World Wide Web. The format is as specified in [\[RFC1738\]](#).

User Profile Service: A data source that stores, provides, and applies information about users.

view: See form view (Microsoft InfoPath), list view (SharePoint Products and Technologies), or View (Microsoft Business Connectivity Services).

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

1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

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

[MS-WMS] Microsoft Corporation, "[Work Management Service Web Service Protocol](#)".

[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>

1.2.2 Informative References

[MS-WSSTS] Microsoft Corporation, "[Windows SharePoint Services](#)".

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

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

1.3 Overview

This protocol defines types, methods, and properties that protocol clients use to access and manipulate tasks (2) assigned to a user on a protocol server that proxies to an instance of the Work Management service application.

Some typical scenarios in which a protocol client could use this protocol are: retrieving a user's task (2) **list**, updating a task (2), and changing the order of tasks (2).

1.4 Relationship to Other Protocols

The Work Management 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 also uses **Hypertext Transfer Protocol (HTTP)**, as described in [\[RFC2616\]](#) and **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**, as described in [\[RFC2818\]](#). The dependencies for this protocol are shown in the following layering diagram.

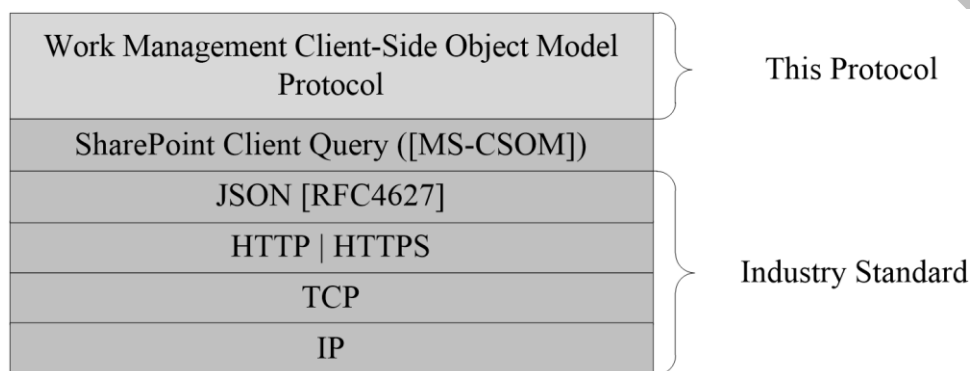


Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol depends on the **User Profile Service** APIs to determine the **Uniform Resource Locator (URL)** for the **site** to retrieve tasks (2) from.

This protocol operates against a protocol server that exposes one or more **endpoint Uniform Resource Identifiers (URI)** that are known by protocol clients.

This protocol assumes that authentication has been performed by underlying protocols.

This protocol requires the protocol client to have appropriate permission to call the methods on the protocol server (2).

1.6 Applicability Statement

This protocol can be used by a protocol client to read data from, write data to, and execute operations against a protocol server. The 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. Because of the complexity of the structure of requests and responses, it is not suitable for cases where the inputs and outputs need to be quickly understood and specified by a human. Because the protocol features minimal services for type and operation discovery, it is not suitable for protocol servers that implement a different set of functionality compared to the set of functionality described for a collaboration server in [\[MS-WSSTS\]](#).

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. Localization-specific properties, such as the title of a list, are returned by using the preferred language of the user, if available, or by using the default language of the site as a fallback.

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 is 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 particular methods and properties specified in this document are not available, because either the protocol server does not support the functionality or the administrator has disabled specific 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

2.2.1 Common Exceptions

The protocol server MUST validate the request from the protocol client. When a protocol server processes a CSOM operation in the request, the following table lists common exceptions that could occur when accessing or updating a property or invoking a method.

Error code	Error type name	Condition
-2147024891	System.UnauthorizedAccessException	The user does not have permission to access a property, update a property, or call a method.

Besides the preceding exceptions and the exceptions that are listed for the specific properties or methods, the protocol server (2) can return other exceptions to the protocol client, for which the protocol client could use the error message for display purpose but could not use the error code or error type to determine the causes of the exception.

Exceptions listed for the specific properties are thrown for both read and write operations, unless otherwise specified.

3 Protocol Details

3.1 Server Details

3.1.1 Abstract Data Model

This protocol shares the abstract data model used by the SharePoint Client Query Protocol, as specified in [\[MS-CSOM\]](#) section [3.1.1](#), to communicate with the protocol server.

The protocol server maintains a collection of tasks (2) assigned to the current user that serves as a task (2) cache. It also maintains a collection of locations from which the source tasks (2) originate, which can consist of locations on the protocol server or external server, and settings for the user for managing tasks (2).

Most methods in this protocol perform operations that create, read, update, or delete data on these stored tasks (2). However, the **BeginCacheRefresh** and **BeginExchangeSync** methods call web service endpoints on a service application that implements the Work Management Service Web Service protocol specified in [\[MS-WMS\]](#) to trigger refresh operations that update the cache with new and modified tasks (2), or synchronize tasks (2) assigned to the user with another task (2) server determined by the configuration of the service application. Tasks (2) are aggregated from other locations through providers configured on the service application.

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.WorkManagement.Client.BaseSession

TypeId: {3FE45B91-5B30-447C-884F-0E1837215FF9}

ShortName: SP.WorkManagement.OM.BaseSession

Represents a base **session** that is used to access the work management tasks (2).

3.1.5.1.1 Properties

3.1.5.1.1.1 Scalar Properties

None.

3.1.5.1.1.2 ObjectPath Properties

None.

3.1.5.1.2 Methods

3.1.5.1.2.1 Scalar Methods

3.1.5.1.2.1.1 BeginExchangeSync

Return Type: CSOM Boolean

Starts a server synchronization for the current user. Returns true if the synchronization started successfully.

Parameters: None

3.1.5.1.2.1.2 IsExchangeJobPending

Return Type: CSOM Boolean

Returns true if there is a server synchronization in progress for the user, or false otherwise.

Parameters: None

3.1.5.1.2.2 ObjectPath Methods

3.1.5.1.2.2.1 AddAttributeToTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Adds the specified string as a property on a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be added.

Type: CSOM String

3.1.5.1.2.2.2 BeginCacheRefresh

Return Type: Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult

Starts an operation to update a user's task (2) list with new tasks (2) and with changes to existing tasks (2).

Parameters: None

3.1.5.1.2.2.3 CreateTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Creates a new task (2).

Parameters:

taskName: Specifies the task (2) name.

Type: CSOM String

description: Specifies the task (2) description.

Type: CSOM String

localizedStartDate: Specifies the start date as a string represented in the locale of the protocol client.

Type: CSOM String

localizedDueDate: Specifies the due date as a string represented in the locale of the protocol client.

Type: CSOM String

completed: Specifies whether the task (2) is finished (true) or not (false).

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned (true) or not (false).

Type: CSOM Boolean

locationKey: Specifies the task (2) location identifier. Use -1 to specify that the task (2) has no location.

Type: CSOM Int32

editUrl: Specifies the URL to edit the task (2).

Type: CSOM String

3.1.5.1.2.2.4 DeleteTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Deletes a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.1.2.2.5 GetRefreshHistory

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

Returns information about the latest task (2) cache refresh.

Parameters:

since: Specifies the date on which the history starts.

Type: **CSOM DateTime**

3.1.5.1.2.2.6 GetRefreshStatus

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshResult

Returns the status of a refresh operation.

Parameters:

refreshId: Specifies the refresh identifier.

Type: CSOM Int32

3.1.5.1.2.2.7 PinTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.1.2.2.8 RemoveAttributeFromTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Removes the specified string property from a task (2). This will only remove properties that were added through the **AddAttributeToTask** method, as specified in section [3.1.5.1.2.2.1](#).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be removed.

Type: CSOM String

3.1.5.1.2.2.9 RemovePinOnTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as not pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.1.2.2.10 UpdateTaskWithLocalizedValue

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Updates a task (2) field with a localized value.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

field: Specifies the field to be updated.

Type: Microsoft.SharePoint.WorkManagement.Client.WritableTaskField

value: Specifies the new value of the field.

Type: CSOM String

3.1.5.1.2.2.11 **GetCalloutInfo**

Return Type: Microsoft.SharePoint.WorkManagement.Client.CalloutInfo

Returns supplemental information about a task (2).

Parameters:

taskKey: Identifier of the task (2) to retrieve information for.

Type: CSOM Int32

3.1.5.1.2.2.12 **ReadAllNonTaskData**

Return Type: Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult

Returns information about a user's task (2) settings that is not specific to tasks (2) themselves.

Parameters: None

3.1.5.1.2.2.13 **RefreshSingleTask**

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult

Refreshes information about a specific task (2) with updates from the source.

Parameters:

taskKey: Identifier of the task (2) to refresh information for.

Type: CSOM Int32

3.1.5.1.2.2.14 **GetRefreshHealthInfo**

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo

Gets the refresh health information.

Parameters: None

3.1.5.1.2.2.15 **CreatePersonalTaskAndPromoteToProviderTask**

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **CreatePersonalTaskAndPromoteToProviderTask** method creates a new personal task (2) and then tries to promote it to the provider specified by the *locationKey* parameter.

This is a convenience method that is the equivalent of calling **CreateTask** and then **PromotePersonalTaskToProviderTaskInLocation**.

If the location key is invalid, or the promote fails in the provider, the personal task (2) can already have been created and will not be cleaned up.

For more details on how the promote step works, please check the **PromotePersonalTaskToProviderTaskToLocation** method.

Parameters:

taskName: The name of the task (2).

Type: CSOM String

description: The description of the task (2).

Type: CSOM String

localizedStartDate: The start date in a localized string.

Type: CSOM String

localizedDueDate: The due date in a localized string.

Type: CSOM String

completed: Specifies whether the task (2) is finished.

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned.

Type: CSOM Boolean

locationKey: The location of the task (2). -1 for personal tasks (2).

Type: CSOM Int32

3.1.5.1.2.2.16 PromotePersonalTaskToProviderTaskInLocation

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **PromotePersonalTaskToProviderTaskInLocation** method makes a copy of the specified task (2) in the data source of the specified location and links it to the AWIOP (All My Work In One Place) representation.

For example, if the location identifier points to a list, calling this method would result in a task (2) being created in that list. The AWIOP task (2) would be changed to be a linked task (2) rather than a personal one, as if the task (2) had been created in the list and then aggregated by AWIOP.

Parameters:

taskKey: The identifier of the task (2).

Type: CSOM Int32

locationId: The identifier of the location.

Type: CSOM Int32

3.1.5.2 Microsoft.SharePoint.WorkManagement.Client.BooleanCompareType

ShortName: SP.WorkManagement.OM.BooleanCompareType

Flag: false

Defines the Boolean comparison result values.

3.1.5.2.1 Field Values

3.1.5.2.1.1 NoValue

Value: 0

No value.

3.1.5.2.1.2 IsTrue

Value: 1

The result SHOULD be true.

3.1.5.2.1.3 IsFalse

Value: 2

The result SHOULD be false.

3.1.5.3 Microsoft.SharePoint.WorkManagement.Client.BooleanCriterion

TypeId: {16D379B2-E752-405E-A05F-A8FE05AA0D07}

ShortName: SP.WorkManagement.OM.BooleanCriterion

Object used to filter a task (2) list on a Boolean property.

3.1.5.3.1 Properties

3.1.5.3.1.1 Scalar Properties

3.1.5.3.1.1.1 CompareType

Type: Microsoft.SharePoint.WorkManagement.Client.BooleanCompareType

Accessibility: Read/Write

Specifies the value to evaluate when filtering tasks (2).

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

3.1.5.3.2.2.1 CSOM Constructor

Creates a new **BooleanCriterion** object.

Parameters: None

3.1.5.4 Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult

TypeId: {B020A172-1E1C-4327-A356-6002D815E3EA}

ShortName: SP.WorkManagement.OM.CreateRefreshJobResult

Represents the result of a **BeginCacheRefresh** method, as specified in sections [3.1.5.1.2.2.2](#), [3.1.5.15.2.2.2](#), [3.1.5.16.2.2.2](#), [3.1.5.31.2.2.2](#), and [3.1.5.41.2.2.2](#).

3.1.5.4.1 Properties

3.1.5.4.1.1 Scalar Properties

3.1.5.4.1.1.1 CreatedJob

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether a job was created (true) or not (false).

3.1.5.4.1.1.2 CurrentJobId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the created job identifier.

3.1.5.4.1.1.3 EncounteredError

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether an error was encountered.

3.1.5.4.1.2 ObjectPath Properties

None.

3.1.5.4.2 Methods

3.1.5.4.2.1 Scalar Methods

None.

3.1.5.4.2.2 ObjectPath Methods

None.

3.1.5.5 Microsoft.SharePoint.WorkManagement.Client.CriterionConcatType

ShortName: SP.WorkManagement.OM.CriterionConcatType

Flag: false

Defines the logical types of criterion concatenation.

3.1.5.5.1 Field Values

3.1.5.5.1.1 NoValue

Value: 0

No value.

3.1.5.5.1.2 All

Value: 1

All criteria SHOULD be true (logical AND).

3.1.5.5.1.3 Any

Value: 2

At least one criterion SHOULD be true (logical OR).

3.1.5.6 Microsoft.SharePoint.WorkManagement.Client.CustomAttributeFilter

TypeId: {0E21BB74-7473-48B1-9F7B-D1185BA1CA71}

ShortName: SP.WorkManagement.OM.CustomAttributeFilter

Represents a filter with custom attributes.

3.1.5.6.1 Properties

3.1.5.6.1.1 Scalar Properties

3.1.5.6.1.1.1 Attributes

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the array of attributes defined by the user or the system.

3.1.5.6.1.1.2 ConcatType

Type: Microsoft.SharePoint.WorkManagement.Client.CriterionConcatType

Accessibility: Read/Write

Specifies how to concatenate the attribute results.

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

3.1.5.6.2.2.1 CSOM Constructor

Creates a new **CustomAttributeFilter** object.

Parameters: None

3.1.5.7 Microsoft.SharePoint.WorkManagement.Client.DashboardScriptExtensionInfo

TypeId: {D262CC71-32DB-4F83-8A1C-6986BD6F733F}

ShortName: SP.WorkManagement.OM.DashboardScriptExtensionInfo

Represents the JavaScript file and class that are associated with a specific task provider for retrieving information that a protocol client can use to extend its user interface or other functionality. Information provided by the extension class is custom to each provider.

3.1.5.7.1 Properties

3.1.5.7.1.1 Scalar Properties

3.1.5.7.1.1.1 ProviderKey

Type: CSOM String

Accessibility: Read/Write

Specifies the provider identifier.

3.1.5.7.1.1.2 ScriptClass

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the JavaScript class to call to provide information for the user interface.

3.1.5.7.1.1.3 ScriptData

Type: CSOM String

Accessibility: Read/Write

Specifies provider-specific custom data for a JavaScript extension.

3.1.5.7.1.1.4 ScriptFiles

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the JavaScript files that SHOULD be loaded by the user interface.

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.WorkManagement.Client.DateRangeCriterion

TypeId: {C9C79001-8E9D-4F24-860B-55BD22C13EAE}

ShortName: SP.WorkManagement.OM.DateRangeCriterion

Filters a task (2) list on a **DateTime** property.

3.1.5.8.1 Properties

3.1.5.8.1.1 Scalar Properties

3.1.5.8.1.1.1 RangeEndValue

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the end date of the range. Use 00:00:00.0000000, January 1, 0001 to represent no end date.

3.1.5.8.1.1.2 RangeStartValue

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the start date of the range. Use 00:00:00.0000000, January 1, 0001 to represent no start date.

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

3.1.5.8.2.2.1 CSOM Constructor

Creates a new **DateRangeCriterion** object.

Parameters: None

3.1.5.9 Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo

TypeId: {8FE9D942-9CC1-47C0-9153-02A636BFD5DF}

ShortName: SP.WorkManagement.OM.RefreshHealthInfo

Specifies the result of a **GetRefreshHistory** method, as specified in section [3.1.5.1.2.2.5](#), [3.1.5.15.2.2.5](#), [3.1.5.16.2.2.5](#), [3.1.5.31.2.2.5](#), and [3.1.5.41.2.2.5](#).

3.1.5.9.1 Properties

3.1.5.9.1.1 Scalar Properties

3.1.5.9.1.1.1 LatestRefreshTime

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the time of the most recent refresh.

3.1.5.9.1.1.2 Succeeded

Type: CSOM Boolean

Accessibility: Read/Write

Specifies a value that indicates whether the refresh succeeded (true) or failed (false).

3.1.5.9.1.1.3 NewTasks

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of new tasks (2) that were found during the refresh.

3.1.5.9.1.2 ObjectPath Properties

3.1.5.9.1.2.1 ProviderErrors

Type: Microsoft.SharePoint.WorkManagement.Client.ProviderErrorInfoClientCollection

Accessibility: Read/Write

Specifies a collection of provider errors.

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.WorkManagement.Client.Location

TypeId: {0280FFCA-96C5-4C96-BBBB-759887950AFD}

ShortName: SP.WorkManagement.OM.Location

Represents information about a source location of the task (2). Locations can be hierarchical, where one location is located inside another.

3.1.5.10.1 Properties

3.1.5.10.1.1 Scalar Properties

3.1.5.10.1.1.1 Color

Type: CSOM String

Accessibility: Read/Write

Specifies the display color of the location as a hexadecimal number.

3.1.5.10.1.1.2 Id

Type: CSOM Int32

Accessibility: Read/Write

Specifies the location identifier.

3.1.5.10.1.1.3 Name

Type: CSOM String

Accessibility: Read/Write

Specifies the name of the location.

3.1.5.10.1.1.4 ParentId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the location's parent identifier. MUST return -1 if it has no parent location.

3.1.5.10.1.1.5 RootProviderKey

Type: CSOM String

Accessibility: Read/Write

Specifies the root provider identifier of the location.

3.1.5.10.1.1.6 Url

Type: CSOM String

Accessibility: Read/Write

Specifies the URL of the location.

3.1.5.10.1.1.7 Important

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the location is important (true) or not (false).

3.1.5.10.1.2 ObjectPath Properties

None.

3.1.5.10.2 Methods

3.1.5.10.2.1 Scalar Methods

None.

3.1.5.10.2.2 ObjectPath Methods

3.1.5.10.2.2.1 CSOM Constructor

Creates a new **Location** object.

Parameters: None

3.1.5.11 Microsoft.SharePoint.WorkManagement.Client.LocationClientCollection

TypeId: {2F28E64C-57DE-436F-B455-DCACFBAE647C}

ShortName: SP.WorkManagement.OM.LocationClientCollection

Represents a collection of locations.

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

None.

3.1.5.12 Microsoft.SharePoint.WorkManagement.Client.LocationDisplaySetting

TypeId: {C9D8B21D-774A-4940-A45D-DC74859C0E6F}

ShortName: SP.WorkManagement.OM.LocationDisplaySetting

Represents the display settings for a location.

3.1.5.12.1 Properties

3.1.5.12.1.1 Scalar Properties

3.1.5.12.1.1.1 Color

Type: CSOM String

Accessibility: Read/Write

Specifies the display color of the location as a hexadecimal number.

3.1.5.12.1.1.2 Id

Type: CSOM Int32

Accessibility: Read/Write

Specifies the location identifier.

3.1.5.12.1.2 ObjectPath Properties

None.

3.1.5.12.2 Methods

3.1.5.12.2.1 Scalar Methods

None.

3.1.5.12.2.2 ObjectPath Methods

None.

3.1.5.13 Microsoft.SharePoint.WorkManagement.Client.LocationFilter

TypeId: {D9CE752E-01ED-4872-B4DA-FC362038FBF0}

ShortName: SP.WorkManagement.OM.LocationFilter

Represents a task (2) filter by location.

3.1.5.13.1 Properties

3.1.5.13.1.1 Scalar Properties

3.1.5.13.1.1.1 LocationKeys

Type: CSOM array of CSOM Int32

Accessibility: Read/Write

Specifies the location identifiers that SHOULD be included in the query.

3.1.5.13.1.1.2 IncludeUncategorizedTasks

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether to include tasks (2) that do not have a location in the results (true) or not (false).

3.1.5.13.1.2 ObjectPath Properties

None.

3.1.5.13.2 Methods

3.1.5.13.2.1 Scalar Methods

None.

3.1.5.13.2.2 ObjectPath Methods

3.1.5.13.2.2.1 CSOM Constructor

Creates a new **LocationFilter** object.

Parameters: None

3.1.5.14 Microsoft.SharePoint.WorkManagement.Client.LocationGroupClientCollection

TypeId: {25ACD8C5-C100-45DA-B4C5-2BF698F65649}

ShortName: SP.WorkManagement.OM.LocationGroupClientCollection

Represents a collection of tasks (2), ordered by location.

3.1.5.14.1 Properties

3.1.5.14.1.1 Scalar Properties

None.

3.1.5.14.1.2 ObjectPath Properties

None.

3.1.5.14.2 Methods

3.1.5.14.2.1 Scalar Methods

None.

3.1.5.14.2.2 ObjectPath Methods

3.1.5.14.2.2.1 CSOM Constructor

Creates a new **LocationGroupClientCollection** object.

Parameters: None

3.1.5.15 Microsoft.SharePoint.WorkManagement.Client.LocationOrientedSortableSession

TypeId: {A4DA2E47-975B-4352-934A-4DFE0167D509}

ShortName: SP.WorkManagement.OM.LocationOrientedSortableSession

Represents a session with tasks (2) grouped by location and sorted within each location group.

3.1.5.15.1 Properties

3.1.5.15.1.1 Scalar Properties

None.

3.1.5.15.1.2 ObjectPath Properties

None.

3.1.5.15.2 Methods

3.1.5.15.2.1 Scalar Methods

3.1.5.15.2.1.1 MovePersonalTaskToLocation

Return Type: CSOM Boolean

Moves a task (2) to a new location if the task (2) is personal but does nothing if the task (2) comes from an external location. Returns true if the task (2) was moved successfully or false otherwise.

Parameters:

taskKey: Identifier of the task (2) to move.

Type: CSOM Int32

newLocationKey: Identifier of the new location.

Type: CSOM Int32

3.1.5.15.2.1.2 BeginExchangeSync

Return Type: CSOM Boolean

Starts a server synchronization for the current user. Returns true if the synchronization started successfully.

Parameters: None

3.1.5.15.2.1.3 IsExchangeJobPending

Return Type: CSOM Boolean

Returns true if there is a server synchronization in progress for the user, or false otherwise.

Parameters: None

3.1.5.15.2.2 ObjectPath Methods

3.1.5.15.2.2.1 AddAttributeToTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Adds the specified string as a property on a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the string to be added.

Type: CSOM String

3.1.5.15.2.2.2 BeginCacheRefresh

Return Type: Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult

Starts an operation to update a user's task (2) list with new tasks (2) and with changes to existing tasks (2).

Parameters: None

3.1.5.15.2.2.3 CreateTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Creates a new task (2).

Parameters:

taskName: Specifies the name of the task (2).

Type: CSOM String

description: Specifies the description of the task (2).

Type: CSOM String

localizedStartDate: Specifies the start date as a string represented in the locale of the protocol client.

Type: CSOM String

localizedDueDate: Specifies the due date as a string represented in the locale of the protocol client.

Type: CSOM String

completed: Specifies whether the task (2) is finished (true) or not (false)

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned (true) or not (false).

Type: CSOM Boolean

locationKey: Specifies the location of the task (2). Use -1 to specify that the task (2) has no location.

Type: CSOM Int32

editUrl: Specifies the URL to edit the task (2).

Type: CSOM String

3.1.5.15.2.2.4 DeleteTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Deletes a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.15.2.2.5 GetRefreshHistory

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

Returns information about the latest task (2) cache refresh.

Parameters:

since: Specifies the date on which the history starts.

Type: CSOM DateTime

3.1.5.15.2.2.6 GetRefreshStatus

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshResult

Returns the status of a refresh operation.

Parameters:

refreshId: Specifies the refresh identifier.

Type: CSOM Int32

3.1.5.15.2.2.7 PinTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.15.2.2.8 ReadTasks

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationGroupClientCollection

Returns a collection of tasks (2) ordered and grouped by location, and filtered by the query parameter.

Parameters:

query: Specifies the query.

Type: Microsoft.SharePoint.WorkManagement.Client.SortableTaskQuery

3.1.5.15.2.2.9 RemoveAttributeFromTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Removes the specified string property from a task (2). This will only remove properties that were added through the **AddAttributeToTask** method, as specified in section [3.1.5.15.2.2.1](#).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be removed.

Type: CSOM String

3.1.5.15.2.2.10 RemovePinOnTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as not pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.15.2.2.11 UpdateTaskWithLocalizedValue

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Updates a field of the task (2) with a string represented in the locale of the protocol client.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

field: Specifies the field to be updated.

Type: Microsoft.SharePoint.WorkManagement.Client.WritableTaskField

value: Specifies the new value for the field.

Type: CSOM String

3.1.5.15.2.2.12 GetCalloutInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.CalloutInfo

Returns supplemental information about a task (2).

Parameters:

taskKey: Identifier of the task (2) to retrieve information for.

Type: CSOM Int32

3.1.5.15.2.2.13 ReadAllNonTaskData

Return Type: Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult

Returns information about a user's task (2) settings that is not specific to tasks (2) themselves.

Parameters: None

3.1.5.15.2.2.14 RefreshSingleTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult

Refreshes information about a specific task (2) with updates from the source.

Parameters:

taskKey: Identifier of the task (2) to be refreshed.

Type: CSOM Int32

3.1.5.15.2.2.15 GetRefreshHealthInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo

Gets the refresh health information.

Parameters: None

3.1.5.15.2.2.16 CreatePersonalTaskAndPromoteToProviderTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **CreatePersonalTaskAndPromoteToProviderTask** method creates a new personal task (2) and then tries to promote it to the provider specified by the *locationKey* parameter.

This is a convenience method that is the equivalent of calling **CreateTask** and then **PromotePersonalTaskToProviderTaskInLocation**.

If the location key is invalid, or the promote fails in the provider, the personal task (2) can already have been created and will not be cleaned up.

For more details on how the promote step works, please check the **PromotePersonalTaskToProviderTaskToLocation** method.

Parameters:

taskName: The name of the task (2).

Type: CSOM String

description: The description of the task (2).

Type: CSOM String

localizedStartDate: The start date in a localized string.

Type: CSOM String

localizedDueDate: The due date in a localized string.

Type: CSOM String

completed: Specifies whether the task (2) is finished.

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned.

Type: CSOM Boolean

locationKey: The location of the task (2). -1 for personal tasks (2).

Type: CSOM Int32

3.1.5.15.2.2.17 **PromotePersonalTaskToProviderTaskInLocation**

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **PromotePersonalTaskToProviderTaskInLocation** makes a copy of the specified task (2) in the data source of the specified location and links it to the AWIOP representation.

For example, if the location identifier points to a list, calling this method would result in a task (2) being created in that list. The AWIOP task (2) would be changed to be a linked task (2) rather than a personal one, as if the task (2) had been created in the list and then aggregated by AWIOP.

Parameters:

taskKey: The identifier of the task (2).

Type: CSOM Int32

locationId: The identifier of the location.

Type: CSOM Int32

3.1.5.16 **Microsoft.SharePoint.WorkManagement.Client.LocationOrientedUserOrderedSession**

TypeId: {3ACA594A-48B1-47AA-BBCD-7FD1A2DEC5F9}

ShortName: SP.WorkManagement.OM.LocationOrientedUserOrderedSession

Represents a session with tasks (2) grouped by location, and with user sorting.

3.1.5.16.1 **Properties**

3.1.5.16.1.1 **Scalar Properties**

None.

3.1.5.16.1.2 **ObjectPath Properties**

None.

3.1.5.16.2 **Methods**

3.1.5.16.2.1 **Scalar Methods**

3.1.5.16.2.1.1 **MovePersonalTaskToLocation**

Return Type: CSOM Boolean

Moves a task (2) to a new location if the task (2) is personal but does nothing if the task (2) comes from an external location. Returns true if the task (2) was moved successfully or false otherwise.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

newLocationKey: Specifies the new location identifier.

Type: CSOM Int32

3.1.5.16.2.1.2 ReorderTask

Return Type: None

Changes the order of a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

newAfterTaskKey: Specifies the task (2) identifier for the task (2) that *@taskKey* will be moved after.

Type: CSOM Int32

3.1.5.16.2.1.3 BeginExchangeSync

Return Type: CSOM Boolean

Starts a server synchronization for the current user. Returns true if the synchronization started successfully.

Parameters: None

3.1.5.16.2.1.4 IsExchangeJobPending

Return Type: CSOM Boolean

Returns true if there is a server synchronization in progress for the user, or false otherwise.

Parameters: None

3.1.5.16.2.2 ObjectPath Methods

3.1.5.16.2.2.1 AddAttributeToTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Adds the specified string as a property on a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be added.

Type: CSOM String

3.1.5.16.2.2.2 BeginCacheRefresh

Return Type: Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult

Starts an operation to update a user's task (2) list with new tasks (2) and with changes to existing tasks (2).

Parameters: None

3.1.5.16.2.2.3 CreateTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Creates a new task (2).

Parameters:

taskName: Specifies the task (2) name.

Type: CSOM String

description: Specifies the task (2) description.

Type: CSOM String

localizedStartDate: Specifies the task (2) start date as a string represented in the locale of the protocol client.

Type: CSOM String

localizedDueDate: Specifies the task (2) due date as a string represented in the locale of the protocol client.

Type: CSOM String

completed: Specifies whether the task (2) is finished (true) or not (false).

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned (true) or not (false).

Type: CSOM Boolean

locationKey: Specifies the task (2) location identifier. Use -1 to specify that the task (2) has no location.

Type: CSOM Int32

editUrl: Specifies the URL to edit the task (2).

Type: CSOM String

3.1.5.16.2.2.4 DeleteTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Deletes a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.16.2.2.5 GetRefreshHistory

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

Returns information about the latest task (2) cache refresh.

Parameters:

since: Specifies the date on which the history starts.

Type: CSOM DateTime

3.1.5.16.2.2.6 GetRefreshStatus

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshResult

Returns the status of a refresh operation.

Parameters:

refreshId: Specifies the refresh identifier.

Type: CSOM Int32

3.1.5.16.2.2.7 PinTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.16.2.2.8 ReadTasks

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationGroupClientCollection

Returns a collection of tasks (2) sorted in a user-defined order, filtered by the given query, and grouped by location.

Parameters:

query: Specifies the query.

Type: Microsoft.SharePoint.WorkManagement.Client.TaskQuery

3.1.5.16.2.2.9 RemoveAttributeFromTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **RemoveAttributeFromTask** method removes the specified string property from a task (2). This will only remove properties that were added through the **AddAttributeToTask** method, as specified in section [3.1.5.16.2.2.1](#).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be removed.

Type: CSOM String

3.1.5.16.2.2.10 RemovePinOnTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as not pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.16.2.2.11 UpdateTaskWithLocalizedValue

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Updates a field of the task (2) with a string represented in the locale of the protocol client.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

field: Specifies the field to be updated.

Type: Microsoft.SharePoint.WorkManagement.Client.WritableTaskField

value: Specifies the new value for the field.

Type: CSOM String

3.1.5.16.2.2.12 GetCalloutInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.CalloutInfo

Returns supplemental information about a task (2).

Parameters:

taskKey: Identifier of the task (2) to retrieve information for.

Type: CSOM Int32

3.1.5.16.2.2.13 ReadAllNonTaskData

Return Type: Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult

Returns information about a user's task (2) settings that is not specific to tasks (2) themselves.

Parameters: None

3.1.5.16.2.2.14 RefreshSingleTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult

Refreshes information about a specific task (2) with updates from the source.

Parameters:

taskKey: Identifier of the task (2) to be refreshed.

Type: CSOM Int32

3.1.5.16.2.2.15 GetRefreshHealthInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo

Returns information about the state of the last refresh operation.

Parameters: None

3.1.5.16.2.2.16 CreatePersonalTaskAndPromoteToProviderTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **CreatePersonalTaskAndPromoteToProviderTask** method creates a new personal task (2) and then tries to promote it to the provider specified by the *locationKey* parameter.

This is a convenience method that is the equivalent of calling **CreateTask** and then **PromotePersonalTaskToProviderTaskInLocation**.

If the location key is invalid, or the promote fails in the provider, the personal task (2) can already have been created and will not be cleaned up.

For more details on how the promote step works, please check the **PromotePersonalTaskToProviderTaskToLocation** method.

Parameters:

taskName: The name of the task (2).

Type: CSOM String

description: The description of the task (2).

Type: CSOM String

localizedStartDate: The start date in a localized string.

Type: CSOM String

localizedDueDate: The due date in a localized string.

Type: CSOM String

completed: Specifies whether the task (2) is finished.

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned.

Type: CSOM Boolean

locationKey: The location key for the task (2). -1 for personal tasks (2).

Type: CSOM Int32

3.1.5.16.2.2.17 PromotePersonalTaskToProviderTaskInLocation

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **PromotePersonalTaskToProviderTaskInLocation** method makes a copy of the specified task (2) in the data source of the specified location and links it to the AWIOP representation.

For example, if the location identifier points to a list, calling this method would result in a task (2) being created in that list. The AWIOP task (2) would be changed to be a linked task (2) rather than a personal one, as if the task (2) had been created in the list and then aggregated by AWIOP.

Parameters:

taskKey: The identifier of the task (2).

Type: CSOM Int32

locationId: The identifier of the location.

Type: CSOM Int32

3.1.5.17 Microsoft.SharePoint.WorkManagement.Client.LocationUpdateResult

TypeId: {4D0A3245-9B4F-4986-8B91-87F209FC8BC7}

ShortName: SP.WorkManagement.OM.LocationUpdateResult

Represents the result information from updating a location.

3.1.5.17.1 Properties

3.1.5.17.1.1 Scalar Properties

3.1.5.17.1.1.1 ActiveAddedCount

Type: **CSOM UInt32**

Accessibility: Read/Write

Specifies the number of active tasks (2) added since the last update.

3.1.5.17.1.1.2 AddedCount

Type: CSOM UInt32

Accessibility: Read/Write

Specifies the number of tasks (2) added since the previous update.

3.1.5.17.1.1.3 RemovedCount

Type: CSOM UInt32

Accessibility: Read/Write

Specifies the number of tasks (2) removed since the previous update.

3.1.5.17.1.1.4 RootLocationId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the provider's root location identifier.

3.1.5.17.1.1.5 UpdatedCount

Type: CSOM UInt32

Accessibility: Read/Write

Specifies the number of tasks (2) updated since the previous update.

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

None.

3.1.5.18 Microsoft.SharePoint.WorkManagement.Client.LocationUpdateResultClientCollection

TypeId: {ADC959FA-E5E6-4575-A998-A00CE60A9201}

ShortName: SP.WorkManagement.OM.LocationUpdateResultClientCollection

Represents a collection of **LocationUpdateResult** objects as specified in section [3.1.5.17](#).

3.1.5.18.1 Properties

3.1.5.18.1.1 Scalar Properties

None.

3.1.5.18.1.2 ObjectPath Properties

None.

3.1.5.18.2 Methods

3.1.5.18.2.1 Scalar Methods

None.

3.1.5.18.2.2 ObjectPath Methods

None.

3.1.5.19 Microsoft.SharePoint.WorkManagement.Client.NameCriterion

TypeId: {1C2A7A53-2CDD-4C21-8DD6-1673656ECA45}

ShortName: SP.WorkManagement.OM.NameCriterion

Object used to filter tasks (2) based on a string property representing the name of a task (2).

3.1.5.19.1 Properties

3.1.5.19.1.1 Scalar Properties

3.1.5.19.1.1.1 CompareType

Type: Microsoft.SharePoint.WorkManagement.Client.StringCompareType

Accessibility: Read/Write

Specifies the comparison operation to use when filtering on a string property.

3.1.5.19.1.1.2 CompareValue

Type: CSOM String

Accessibility: Read/Write

Specifies the value to evaluate against when filtering tasks (2).

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 CSOM Constructor

Creates a new **NameCriterion** object.

Parameters: None

3.1.5.20 Microsoft.SharePoint.WorkManagement.Client.OrderInfo

TypeId: {8C385903-1E43-4256-8037-F7FF442154EC}

ShortName: SP.WorkManagement.OM.OrderInfo

Represents how to order the results of a sortable task (2) query.

3.1.5.20.1 Properties

3.1.5.20.1.1 Scalar Properties

3.1.5.20.1.1.1 Field

Type: Microsoft.SharePoint.WorkManagement.Client.SortableTaskField

Accessibility: Read/Write

Specifies the field to be used for sorting.

3.1.5.20.1.1.2 IsDescending

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the sorting SHOULD be descending (true) or ascending (false).

3.1.5.20.1.2 ObjectPath Properties

None.

3.1.5.20.2 Methods

3.1.5.20.2.1 Scalar Methods

None.

3.1.5.20.2.2 ObjectPath Methods

3.1.5.20.2.2.1 CSOM Constructor

Creates a new **OrderInfo** object.

Parameters: None

3.1.5.21 Microsoft.SharePoint.WorkManagement.Client.PinAge

ShortName: SP.WorkManagement.OM.PinAge

Flag: false

Defines the time period since the pin was created.

3.1.5.21.1 Field Values

3.1.5.21.1.1 NoValue

Value: 0

No value.

3.1.5.21.1.2 Fresh

Value: 1

Specifies that the pin is fresh.

3.1.5.21.1.3 Stale

Value: 2

Specifies that the pin is stale.

3.1.5.22 Microsoft.SharePoint.WorkManagement.Client.PinnedState

ShortName: SP.WorkManagement.OM.PinnedState

Flag: false

Defines the pin state values.

3.1.5.22.1 Field Values

3.1.5.22.1.1 NoValue

Value: 0

No value.

3.1.5.22.1.2 Pinned

Value: 1

Specifies that the task (2) is pinned.

3.1.5.22.1.3 NotPinned

Value: 2

Specifies that the task (2) is not pinned.

3.1.5.23 Microsoft.SharePoint.WorkManagement.Client.ProviderErrorInfo

TypeId: {86FAD6B1-B741-43FD-8822-EE12938C5C13}

ShortName: SP.WorkManagement.OM.ProviderErrorInfo

Represents information about an error coming from a task provider.

3.1.5.23.1 Properties

3.1.5.23.1.1 Scalar Properties

3.1.5.23.1.1.1 CorrelationId

Type: CSOM String

Accessibility: Read/Write

Specifies the unique identifier for the request or operation on the server associated with the error.

3.1.5.23.1.1.2 LastSuccessfulRefresh

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the time of the last successful refresh.

3.1.5.23.1.1.3 LocalizedName

Type: CSOM String

Accessibility: Read/Write

Specifies the localized name of the provider that caused the error.

3.1.5.23.1.2 ObjectPath Properties

None.

3.1.5.23.2 Methods

3.1.5.23.2.1 Scalar Methods

None.

3.1.5.23.2.2 ObjectPath Methods

None.

3.1.5.24 Microsoft.SharePoint.WorkManagement.Client.ProviderErrorInfoClientCollection

TypeId: {8D2243E2-6F6F-47F1-A0CA-97DBA1D8AA25}

ShortName: SP.WorkManagement.OM.ProviderErrorInfoClientCollection

Represents a collection of **ProviderErrorInfo** objects as specified in section [3.1.5.23](#).

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

None.

3.1.5.25 Microsoft.SharePoint.WorkManagement.Client.ProviderRefreshStatus

TypeId: {1B347470-E983-40EE-A794-0719DE3B37E6}

ShortName: SP.WorkManagement.OM.ProviderRefreshStatus

Represents the status of a provider refresh.

3.1.5.25.1 Properties

3.1.5.25.1.1 Scalar Properties

3.1.5.25.1.1.1 ProviderKey

Type: CSOM String

Accessibility: Read/Write

Specifies the provider identifier.

3.1.5.25.1.1.2 ProviderLocalizedName

Type: CSOM String

Accessibility: Read/Write

Specifies the localized name of the provider.

3.1.5.25.1.1.3 RefreshFinished

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the time when the refresh finished.

3.1.5.25.1.1.4 RefreshStarted

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the time when the refresh started.

3.1.5.25.1.1.5 RootLocationId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the root location identifier of the provider.

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.WorkManagement.Client.ProviderRefreshStatusClientCollection

TypeId: {934100A6-C55C-4CB5-BE34-E723029FC017}

ShortName: SP.WorkManagement.OM.ProviderRefreshStatusClientCollection

Represents a collection of **ProviderRefreshStatus** objects as specified in section [3.1.5.25](#).

3.1.5.26.1 Properties

3.1.5.26.1.1 Scalar Properties

None.

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

None.

3.1.5.27 Microsoft.SharePoint.WorkManagement.Client.RefreshResult

TypeId: {AF042356-0857-4F34-B227-2E0B90956E3F}

ShortName: SP.WorkManagement.OM.RefreshResult

Represents information about a refresh.

3.1.5.27.1 Properties

3.1.5.27.1.1 Scalar Properties

3.1.5.27.1.1.1 AggregatorRefreshState

Type: Microsoft.SharePoint.WorkManagement.Client.RefreshState

Accessibility: Read/Write

Specifies the state of the aggregator refresh.

3.1.5.27.1.1.2 CorrelationId

Type: CSOM String

Accessibility: Read/Write

Specifies the **CorrelationId** of the error.

3.1.5.27.1.1.3 RefreshFinished

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the time when the refresh finished.

3.1.5.27.1.1.4 RefreshId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the refresh identifier.

3.1.5.27.1.2 ObjectPath Properties

3.1.5.27.1.2.1 TaskChangesByLocation

Type: Microsoft.SharePoint.WorkManagement.Client.LocationUpdateResultClientCollection

Accessibility: Read/Write

Specifies a collection of updated task (2) results per location.

3.1.5.27.1.2.2 ProviderStatuses

Type: Microsoft.SharePoint.WorkManagement.Client.ProviderRefreshStatusClientCollection

Accessibility: Read/Write

Specifies the collection containing the statuses of the providers.

3.1.5.27.2 Methods

3.1.5.27.2.1 Scalar Methods

None.

3.1.5.27.2.2 ObjectPath Methods

None.

3.1.5.28 Microsoft.SharePoint.WorkManagement.Client.RefreshEventInfoClientCollection

TypeId: {D81EC1DF-7F4B-4654-A46D-518DDEB9D674}

ShortName: SP.WorkManagement.OM.RefreshEventInfoClientCollection

Represents a collection of **RefreshEventInfo** objects as specified in section [3.1.5.27](#).

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

None.

3.1.5.28.2.2 ObjectPath Methods

None.

3.1.5.29 Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

TypeId: {7F30CB13-9617-4FE3-936F-D3C0BEA1B2F7}

ShortName: SP.WorkManagement.OM.RefreshHistory

Represents information about the refresh history.

3.1.5.29.1 Properties

3.1.5.29.1.1 Scalar Properties

None.

3.1.5.29.1.2 ObjectPath Properties

3.1.5.29.1.2.1 Refreshes

Type: Microsoft.SharePoint.WorkManagement.Client.RefreshEventInfoClientCollection

Accessibility: Read/Write

Specifies the **RefreshEventInfo** objects (section [3.1.5.27](#)) representing all refresh operations for the current user.

3.1.5.29.2 Methods

3.1.5.29.2.1 Scalar Methods

None.

3.1.5.29.2.2 ObjectPath Methods

None.

3.1.5.30 Microsoft.SharePoint.WorkManagement.Client.RefreshState

ShortName: SP.WorkManagement.OM.RefreshState

Flag: false

Defines the refresh state values.

3.1.5.30.1 Field Values

3.1.5.30.1.1 NoValue

Value: 0

No value.

3.1.5.30.1.2 Pending

Value: 1

Specifies that the refresh is pending.

3.1.5.30.1.3 Ignored

Value: 2

Specifies that the refresh was ignored.

3.1.5.30.1.4 Succeeded

Value: 3

Specifies that the refresh succeeded.

3.1.5.30.1.5 Failed

Value: 4

Specifies that the refresh failed.

3.1.5.31 Microsoft.SharePoint.WorkManagement.Client.SortableSession

TypeId: {5C81F0EA-999B-411E-A692-5962B32B206F}

ShortName: SP.WorkManagement.OM.SortableSession

Represents a session of tasks (2) with a sort order.

3.1.5.31.1 Properties

3.1.5.31.1.1 Scalar Properties

None.

3.1.5.31.1.2 ObjectPath Properties

None.

3.1.5.31.2 Methods

3.1.5.31.2.1 Scalar Methods

3.1.5.31.2.1.1 BeginExchangeSync

Return Type: CSOM Boolean

Starts a server synchronization for the current user. Returns true if the synchronization started successfully.

Parameters: None

3.1.5.31.2.1.2 IsExchangeJobPending

Return Type: CSOM Boolean

Returns true if there is a server synchronization in progress for the user, or false otherwise.

Parameters: None

3.1.5.31.2.2 ObjectPath Methods

3.1.5.31.2.2.1 AddAttributeToTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Adds the specified string as a property on a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be added.

Type: CSOM String

3.1.5.31.2.2.2 BeginCacheRefresh

Return Type: Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult

Starts an operation to update a user's task (2) list with new tasks (2) and with changes to existing tasks (2).

Parameters: None

3.1.5.31.2.2.3 CreateTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Creates a new task (2).

Parameters:

taskName: Specifies the task (2) name.

Type: CSOM String

description: Specifies the task (2) description.

Type: CSOM String

localizedStartDate: Specifies the start date as a string represented in the locale of the protocol client.

Type: CSOM String

localizedDueDate: Specifies the due date as a string represented in the locale of the protocol client.

Type: CSOM String

completed: Specifies whether the task (2) is finished (true) or not (false).

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned (true) or not (false).

Type: CSOM Boolean

locationKey: Specifies the task (2) location identifier. Use -1 to specify that the task (2) has no location.

Type: CSOM Int32

editUrl: Specifies the URL to edit the task (2).

Type: CSOM String

3.1.5.31.2.2.4 DeleteTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Deletes a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.31.2.2.5 GetRefreshHistory

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

Returns information about the latest task (2) cache refresh.

Parameters:

since: Specifies the date on which the history starts.

Type: CSOM DateTime

3.1.5.31.2.2.6 GetRefreshStatus

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshResult

Returns the status of a refresh operation.

Parameters:

refreshId: Specifies the refresh identifier.

Type: CSOM Int32

3.1.5.31.2.2.7 PinTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.31.2.2.8 ReadTasks

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskClientCollection

Returns an ordered collection of tasks (2), filtered by the given query.

Parameters:

query: Specifies the query.

Type: Microsoft.SharePoint.WorkManagement.Client.SortableTaskQuery

3.1.5.31.2.2.9 RemoveAttributeFromTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Removes the specified string property from a task (2). This will only remove properties that were added through the **AddAttributeToTask** method, as specified in section [3.1.5.31.2.2.1](#).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be removed.

Type: CSOM String

3.1.5.31.2.2.10 RemovePinOnTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as not pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.31.2.2.11 UpdateTaskWithLocalizedValue

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Updates a field of the task (2) with a string represented in the locale of the protocol client.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

field: Specifies the field to be updated.

Type: Microsoft.SharePoint.WorkManagement.Client.WritableTaskField

value: Specifies the new value of the field.

Type: CSOM String

3.1.5.31.2.2.12 GetCalloutInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.CalloutInfo

Returns supplemental information about a task (2).

Parameters:

taskKey: Identifier of the task (2) to retrieve information for.

Type: CSOM Int32

3.1.5.31.2.2.13 ReadAllNonTaskData

Return Type: Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult

Returns information about a user's task (2) settings that is not specific to tasks (2) themselves.

Parameters: None

3.1.5.31.2.2.14 RefreshSingleTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult

Refreshes information about a specific task (2) with updates from the source.

Parameters:

taskKey: Identifier of the task (2) to be refreshed.

Type: CSOM Int32

3.1.5.31.2.2.15 GetRefreshHealthInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo

Gets the refresh health information.

Parameters: None

3.1.5.31.2.2.16 CreatePersonalTaskAndPromoteToProviderTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **CreatePersonalTaskAndPromoteToProviderTask** method creates a new personal task (2) and then tries to promote it to the provider specified by the *locationKey* parameter.

This is a convenience method that is the equivalent of calling **CreateTask** and then **PromotePersonalTaskToProviderTaskInLocation**.

If the location key is invalid, or the promote fails in the provider, the personal task (2) can already have been created and will not be cleaned up.

For more details on how the promote step works, please check the **PromotePersonalTaskToProviderTaskToLocation** method.

Parameters:

taskName: The name of the task (2).

Type: CSOM String

description: The description of the task (2).

Type: CSOM String

localizedStartDate: The start date in a localized string.

Type: CSOM String

localizedDueDate: The due date in a localized string.

Type: CSOM String

completed: Specifies whether the task (2) is finished.

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned.

Type: CSOM Boolean

locationKey: The location of the task (2). -1 for personal tasks (2).

Type: CSOM Int32

3.1.5.31.2.2.17 PromotePersonalTaskToProviderTaskInLocation

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **PromotePersonalTaskToProviderTaskInLocation** method makes a copy of the specified task (2) in the data source of the specified location and links it to the AWIOP representation.

For example, if the location identifier points to a list, calling this method would result in a task (2) being created in that list. The AWIOP task (2) would be changed to be a linked task (2) rather than a personal one, as if the task (2) had been created in the list and then aggregated by AWIOP.

Parameters:

taskKey: The identifier of the task (2).

Type: CSOM Int32

locationId: The identifier of the location.

Type: CSOM Int32

3.1.5.32 Microsoft.SharePoint.WorkManagement.Client.SortableSessionManager

TypeId: {924B1779-998E-4C60-A291-78EDEBC3C202}

ShortName: SP.WorkManagement.OM.SortableSessionManager

Manages sortable sessions, as specified in section [3.1.5.31](#).

3.1.5.32.1 Properties

3.1.5.32.1.1 Scalar Properties

None.

3.1.5.32.1.2 ObjectPath Properties

None.

3.1.5.32.2 Methods

3.1.5.32.2.1 Scalar Methods

None.

3.1.5.32.2.2 ObjectPath Methods

3.1.5.32.2.2.1 CreateLocationOrientedSession

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationOrientedSortableSession

Creates a location-oriented sortable session.

Parameters: None

3.1.5.32.2.2.2 CreateSession

Return Type: Microsoft.SharePoint.WorkManagement.Client.SortableSession

Creates a sortable session.

Parameters: None

3.1.5.32.2.2.3 CSOM Constructor

Creates a new **SortableSessionManager** object.

Parameters: None

3.1.5.33 Microsoft.SharePoint.WorkManagement.Client.SortableTaskField

ShortName: SP.WorkManagement.OM.SortableTaskField

Flag: false

Defines the sortable task (2) fields.

3.1.5.33.1 Field Values

3.1.5.33.1.1 NoValue

Value: 0

No value.

3.1.5.33.1.2 IsCompleted

Value: 13

Specifies the **IsCompleted** field.

3.1.5.33.1.3 Id

Value: 1

Specifies the **Id** field.

3.1.5.33.1.4 DueDate

Value: 5

Specifies the **DueDate** field.

3.1.5.33.1.5 Description

Value: 4

Specifies the **Description** field.

3.1.5.33.1.6 PinAge

Value: 22

Specifies the **PinAge** field.

3.1.5.33.1.7 Location

Value: 18

Specifies the **Location** field.

3.1.5.33.1.8 LastModified

Value: 17

Specifies the **LastModified** field.

3.1.5.33.1.9 DiscoveredDate

Value: 2

Specifies the date when the task (2) was discovered.

3.1.5.33.1.10 Title

Value: 21

Specifies the **Title** field.

3.1.5.34 Microsoft.SharePoint.WorkManagement.Client.SortableTaskQuery

TypeId: {F43AB2F6-B0E1-46F7-8FF6-A96540F7F595}

ShortName: SP.WorkManagement.OM.SortableTaskQuery

Represents a task (2) query with a sort order.

3.1.5.34.1 Properties

3.1.5.34.1.1 Scalar Properties

None.

3.1.5.34.1.2 ObjectPath Properties

3.1.5.34.1.2.1 CoreQuery

Type: Microsoft.SharePoint.WorkManagement.Client.TaskQuery

Accessibility: Read/Write

Specifies the core task (2) query.

3.1.5.34.1.2.2 Order

Type: Microsoft.SharePoint.WorkManagement.Client.OrderInfo

Accessibility: Read/Write

Specifies the ordering for the task (2) query result.

3.1.5.34.2 Methods

3.1.5.34.2.1 Scalar Methods

None.

3.1.5.34.2.2 ObjectPath Methods

3.1.5.34.2.2.1 CSOM Constructor

Creates a new **SortableTaskQuery** object.

Parameters: None

3.1.5.35 Microsoft.SharePoint.WorkManagement.Client.StringCompareType

ShortName: SP.WorkManagement.OM.StringCompareType

Flag: false

Defines string comparison operators that can be used when filtering queries on a string property.

3.1.5.35.1 Field Values

3.1.5.35.1.1 NoValue

Value: 0

No value.

3.1.5.35.1.2 Equals

Value: 1

Specifies that the strings are equal.

3.1.5.35.1.3 Contains

Value: 2

Specifies that one string is a substring of the other string.

3.1.5.35.1.4 BeginsWith

Value: 3

Specifies that one string begins with the other string.

3.1.5.36 Microsoft.SharePoint.WorkManagement.Client.Task

TypeId: {AF0507B6-EF4F-4029-A48A-943AFE14AEA6}

ShortName: SP.WorkManagement.OM.Task

Represents a task (2).

3.1.5.36.1 Properties

3.1.5.36.1.1 Scalar Properties

3.1.5.36.1.1.1 CustomAttributes

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies the custom attributes of the task (2).

3.1.5.36.1.1.2 Description

Type: CSOM String

Accessibility: Read/Write

Specifies the task (2) description.

3.1.5.36.1.1.3 DueDate

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the task (2) due date.

3.1.5.36.1.1.4 EditUrl

Type: CSOM String

Accessibility: Read/Write

Specifies the URL to edit the task (2).

3.1.5.36.1.1.5 Id

Type: CSOM Int32

Accessibility: Read/Write

Specifies the task (2) identifier.

3.1.5.36.1.1.6 IsCompleted

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the task (2) is finished (true) or not (false).

3.1.5.36.1.1.7 IsPersonal

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the task (2) is personal (true) or not (false).

3.1.5.36.1.1.8 LastModified

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the last time the task (2) was modified.

3.1.5.36.1.1.9 Name

Type: CSOM String

Accessibility: Read/Write

Specifies the task (2) name.

3.1.5.36.1.1.10 PinAge

Type: Microsoft.SharePoint.WorkManagement.Client.PinAge

Accessibility: Read/Write

Specifies the time period since the pin of the task (2) was created.

3.1.5.36.1.1.11 SerializedCustomDataForClient

Type: CSOM String

Accessibility: Read/Write

Specifies serialized custom data for a task (2).

3.1.5.36.1.1.12 StartDate

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the time when the task (2) starts.

3.1.5.36.1.1.13 LocationId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the location identifier.

3.1.5.36.1.1.14 IsReadOnly

Type: CSOM Boolean

Accessibility: Read/Write

A property that MAY be used to specify whether a task (2) is read-only (true) or not (false).

3.1.5.36.1.2 ObjectPath Properties

None.

3.1.5.36.2 Methods

3.1.5.36.2.1 Scalar Methods

None.

3.1.5.36.2.2 ObjectPath Methods

3.1.5.36.2.2.1 CSOM Constructor

Creates a new **Task** object.

Parameters: None

3.1.5.37 Microsoft.SharePoint.WorkManagement.Client.TaskClientCollection

TypeId: {1A855A95-EE52-4A94-B0AB-7020DDA6972A}

ShortName: SP.WorkManagement.OM.TaskClientCollection

Represents a collection of tasks (2).

3.1.5.37.1 Properties

3.1.5.37.1.1 Scalar Properties

None.

3.1.5.37.1.2 ObjectPath Properties

None.

3.1.5.37.2 Methods

3.1.5.37.2.1 Scalar Methods

None.

3.1.5.37.2.2 ObjectPath Methods

3.1.5.37.2.2.1 CSOM Constructor

Creates a new **TaskClientCollection** object.

Parameters: None

3.1.5.38 Microsoft.SharePoint.WorkManagement.Client.TaskFilter

TypeId: {3188516D-D569-40F8-8C01-1D48FBF5243C}

ShortName: SP.WorkManagement.OM.TaskFilter

Represents task (2) filter parameters for a task (2) query.

3.1.5.38.1 Properties

3.1.5.38.1.1 Scalar Properties

3.1.5.38.1.1.1 CriterionConcatType

Type: Microsoft.SharePoint.WorkManagement.Client.CriterionConcatType

Accessibility: Read/Write

Specifies the operator type for evaluating multiple filter clauses or task (2) identifiers in the query.

3.1.5.38.1.1.2 IdsToFilterBy

Type: CSOM array of CSOM Int32

Accessibility: Read/Write

Specifies the task (2) identifiers to be included in the query.

3.1.5.38.1.2 ObjectPath Properties

3.1.5.38.1.2.1 CompletedCriterion

Type: Microsoft.SharePoint.WorkManagement.Client.BooleanCriterion

Accessibility: Read/Write

Represents the conditions used for filtering tasks (2) by completion state.

3.1.5.38.1.2.2 DueDateRangeCriterion

Type: Microsoft.SharePoint.WorkManagement.Client.DateRangeCriterion

Accessibility: Read/Write

Represents the conditions used for filtering tasks (2) by due date within a specified range.

3.1.5.38.1.2.3 IsNewCriterion

Type: Microsoft.SharePoint.WorkManagement.Client.BooleanCriterion

Accessibility: Read/Write

Represents the conditions used for filtering tasks (2) that are newly discovered.

3.1.5.38.1.2.4 NameCriterion

Type: Microsoft.SharePoint.WorkManagement.Client.NameCriterion

Accessibility: Read/Write

Represents the conditions used for filtering tasks (2) by name.

3.1.5.38.1.2.5 StartDateRangeCriterion

Type: Microsoft.SharePoint.WorkManagement.Client.DateRangeCriterion

Accessibility: Read/Write

Represents the conditions used for filtering tasks (2) by start date in a specified range.

3.1.5.38.2 Methods

3.1.5.38.2.1 Scalar Methods

None.

3.1.5.38.2.2 ObjectPath Methods

3.1.5.38.2.2.1 CSOM Constructor

Creates a new **TaskFilter** object.

Parameters: None

3.1.5.39 Microsoft.SharePoint.WorkManagement.Client.TaskQuery

TypeId: {70C9591D-9A78-404A-9FE8-B50B1E02CD93}

ShortName: SP.WorkManagement.OM.TaskQuery

Represents a query used to retrieve tasks (2) from the server.

3.1.5.39.1 Properties

3.1.5.39.1.1 Scalar Properties

3.1.5.39.1.1.1 KeywordFilter

Type: CSOM String

Accessibility: Read/Write

Specifies the keywords for the query.

3.1.5.39.1.1.2 LastQueryTime

Type: CSOM DateTime

Accessibility: Read/Write

Specifies the last query time.

3.1.5.39.1.1.3 PinnedFilter

Type: Microsoft.SharePoint.WorkManagement.Client.PinnedState

Accessibility: Read/Write

Specifies the pinned state for the query.

3.1.5.39.1.2 ObjectPath Properties

3.1.5.39.1.2.1 CustomAttributeFilter

Type: Microsoft.SharePoint.WorkManagement.Client.CustomAttributeFilter

Accessibility: Read/Write

Specifies the custom attributes for the query.

3.1.5.39.1.2.2 FieldFilter

Type: Microsoft.SharePoint.WorkManagement.Client.TaskFilter

Accessibility: Read/Write

Specifies the fields for the query.

3.1.5.39.1.2.3 LastModifiedDateRangeFilter

Type: Microsoft.SharePoint.WorkManagement.Client.DateRangeCriterion

Accessibility: Read/Write

Specifies the last modified date range for the query.

3.1.5.39.1.2.4 LocationFilter

Type: Microsoft.SharePoint.WorkManagement.Client.LocationFilter

Accessibility: Read/Write

Specifies the location for the query.

3.1.5.39.2 Methods

3.1.5.39.2.1 Scalar Methods

None.

3.1.5.39.2.2 ObjectPath Methods

3.1.5.39.2.2.1 CSOM Constructor

Creates a new **TaskQuery** object.

Parameters: None

3.1.5.40 Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

TypeId: {B43C5CFA-0632-4F49-B196-0AF62106CC46}

ShortName: SP.WorkManagement.OM.TaskWriteResult

Represents the result of a task (2) write operation.

3.1.5.40.1 Properties

3.1.5.40.1.1 Scalar Properties

3.1.5.40.1.1.1 Error

Type: Microsoft.SharePoint.WorkManagement.Client.WriteFieldType

Accessibility: Read/Write

Specifies the error type of the operation.

3.1.5.40.1.1.2 ErrorMessage

Type: CSOM String

Accessibility: Read/Write

Specifies the error message of the operation.

3.1.5.40.1.2 ObjectPath Properties

3.1.5.40.1.2.1 Result

Type: Microsoft.SharePoint.WorkManagement.Client.Task

Accessibility: Read/Write

Specifies the updated task (2) after the write operation.

3.1.5.40.2 Methods

3.1.5.40.2.1 Scalar Methods

None.

3.1.5.40.2.2 ObjectPath Methods

None.

3.1.5.41 Microsoft.SharePoint.WorkManagement.Client.UserOrderedSession

TypeId: {76163D46-CD0D-4782-9069-9143CC45B991}

ShortName: SP.WorkManagement.OM.UserOrderedSession

Represents a session with tasks (2) sorted by user.

3.1.5.41.1 Properties

3.1.5.41.1.1 Scalar Properties

None.

3.1.5.41.1.2 ObjectPath Properties

None.

3.1.5.41.2 Methods

3.1.5.41.2.1 Scalar Methods

3.1.5.41.2.1.1 ReorderTask

Return Type: None

Changes the order of a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

newAfterTaskKey: Specifies the task (2) identifier for the task (2) that *@taskKey* will be moved after.

Type: CSOM Int32

3.1.5.41.2.1.2 BeginExchangeSync

Return Type: CSOM Boolean

Starts a server synchronization for the current user. Returns true if the synchronization started successfully.

Parameters: None

3.1.5.41.2.1.3 IsExchangeJobPending

Return Type: CSOM Boolean

Returns true if there is a server synchronization in progress for the user, or false otherwise.

Parameters: None

3.1.5.41.2.2 ObjectPath Methods

3.1.5.41.2.2.1 AddAttributeToTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Adds the specified string as a property on a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be added.

Type: CSOM String

3.1.5.41.2.2.2 BeginCacheRefresh

Return Type: Microsoft.SharePoint.WorkManagement.Client.CreateRefreshJobResult

Starts an operation to update a user's task (2) list with new tasks (2) and with changes to existing tasks (2).

Parameters: None

3.1.5.41.2.2.3 CreateTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Creates a new task (2).

Parameters:

taskName: Specifies the task (2) name.

Type: CSOM String

description: Specifies the task (2) description.

Type: CSOM String

localizedStartDate: Specifies the start date as a string represented in the locale of the protocol client.

Type: CSOM String

localizedDueDate: Specifies the due date as a string represented in the locale of the protocol client.

Type: CSOM String

completed: Specifies whether the task (2) is finished (true) or not (false).

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned (true) or not (false).

Type: CSOM Boolean

locationKey: Specifies the task (2) location identifier. Use -1 to specify that the task (2) has no location.

Type: CSOM Int32

editUrl: Specifies the URL to edit the task (2).

Type: CSOM String

3.1.5.41.2.2.4 DeleteTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Deletes a task (2).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.41.2.2.5 GetRefreshHistory

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

Returns information about the latest task (2) cache refresh.

Parameters:

since: Specifies the date on which the history starts.

Type: CSOM DateTime

3.1.5.41.2.2.6 GetRefreshStatus

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshResult

Returns the status of a refresh operation.

Parameters:

refreshId: Specifies the refresh identifier.

Type: CSOM Int32

3.1.5.41.2.2.7 PinTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.41.2.2.8 ReadTasks

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskClientCollection

Returns a collection of tasks (2) sorted by user-defined order, filtered by the given query.

Parameters:

query: Specifies the query.

Type: Microsoft.SharePoint.WorkManagement.Client.TaskQuery

3.1.5.41.2.2.9 RemoveAttributeFromTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Removes the specified string property from a task (2). This will only remove properties that were added through the **AddAttributeToTask** method, as specified in section [3.1.5.41.2.2.1](#).

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

attribute: Specifies the attribute to be removed.

Type: CSOM String

3.1.5.41.2.2.10 RemovePinOnTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Marks a task (2) as not pinned.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

3.1.5.41.2.2.11 UpdateTaskWithLocalizedValue

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

Updates a field of the task (2) with a string represented in the locale of the protocol client.

Parameters:

taskKey: Specifies the task (2) identifier.

Type: CSOM Int32

field: Enumerator indicating which field SHOULD be updated.

Type: Microsoft.SharePoint.WorkManagement.Client.WritableTaskField

value: Specifies the new value of the field.

Type: CSOM String

3.1.5.41.2.2.12 GetCalloutInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.CalloutInfo

Returns supplemental information about a task (2).

Parameters:

taskKey: Identifier of the task (2) to retrieve information for.

Type: CSOM Int32

3.1.5.41.2.2.13 ReadAllNonTaskData

Return Type: Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult

Returns information about a user's task (2) settings that is not specific to tasks (2) themselves.

Parameters: None

3.1.5.41.2.2.14 RefreshSingleTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult

Refreshes information about a specific task (2) with updates from the source.

Parameters:

taskKey: Identifier of the task (2) to be refreshed.

Type: CSOM Int32

3.1.5.41.2.2.15 GetRefreshHealthInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHealthInfo

Gets the refresh health information.

Parameters: None

3.1.5.41.2.2.16 CreatePersonalTaskAndPromoteToProviderTask

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **CreatePersonalTaskAndPromoteToProviderTask** method creates a new personal task (2) and then tries to promote it to the provider specified by the *locationKey* parameter.

This is a convenience method that is the equivalent of calling **CreateTask** and then **PromotePersonalTaskToProviderTaskInLocation**.

If the location key is invalid, or the promote fails in the provider, the personal task (2) can already have been created and will not be cleaned up.

For more details on how the promote step works, please see the **PromotePersonalTaskToProviderTaskToLocation** method.

Parameters:

taskName: The name of the task (2).

Type: CSOM String

description: The description of the task (2).

Type: CSOM String

localizedStartDate: The start date in a localized string.

Type: CSOM String

localizedDueDate: The due date in a localized string.

Type: CSOM String

completed: Specifies whether the task (2) is finished.

Type: CSOM Boolean

pinned: Specifies whether the task (2) is pinned.

Type: CSOM Boolean

locationKey: The location of the task (2). -1 for personal tasks (2).

Type: CSOM Int32

3.1.5.41.2.2.17 PromotePersonalTaskToProviderTaskInLocation

Return Type: Microsoft.SharePoint.WorkManagement.Client.TaskWriteResult

The **PromotePersonalTaskToProviderTaskInLocation** method makes a copy of the specified task (2) in the data source of the specified location and links it to the AWIOP representation.

For example, if the location identifier points to a list, calling this method would result in a task (2) being created in that list. The AWIOP task (2) would be changed to be a linked task (2) rather than a personal one, as if the task (2) had been created in the list and then aggregated by AWIOP.

Parameters:

taskKey: The identifier of the task (2).

Type: CSOM Int32

locationId: The identifier of the location.

Type: CSOM Int32

3.1.5.42 Microsoft.SharePoint.WorkManagement.Client.UserOrderedSessionManager

TypeId: {D82117FB-E4AA-4AB8-B590-CB2BE4B2F078}

ShortName: SP.WorkManagement.OM.UserOrderedSessionManager

Manages sessions that have a sort order, as specified in section [3.1.5.16](#) and section [3.1.5.41](#).

3.1.5.42.1 Properties

3.1.5.42.1.1 Scalar Properties

None.

3.1.5.42.1.2 ObjectPath Properties

None.

3.1.5.42.2 Methods

3.1.5.42.2.1 Scalar Methods

None.

3.1.5.42.2.2 ObjectPath Methods

3.1.5.42.2.2.1 CreateLocationOrientedSession

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationOrientedUserOrderedSession

Creates a user-ordered location-oriented session.

Parameters: None

3.1.5.42.2.2.2 CreateSession

Return Type: Microsoft.SharePoint.WorkManagement.Client.UserOrderedSession

Creates a user-ordered session.

Parameters: None

3.1.5.42.2.2.3 CSOM Constructor

Creates a new **UserOrderedSessionManager** object.

Parameters: None

3.1.5.43 Microsoft.SharePoint.WorkManagement.Client.UserSettings

TypeId: {BEA67FB5-FB82-4388-B0E7-174BAA0EB51A}

ShortName: SP.WorkManagement.OM.UserSettings

Represents the settings for a user.

3.1.5.43.1 Properties

3.1.5.43.1.1 Scalar Properties

3.1.5.43.1.1.1 DaysAfterCurrentDateTimelineEnds

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of days after the current day when the timeline ends.

3.1.5.43.1.1.2 DaysATaskIsConsideredNewTask

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of days during which a task (2) is considered new.

3.1.5.43.1.1.3 DaysBeforeCurrentDateTimelineStarts

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of days before the current day when the timeline started.

3.1.5.43.1.1.4 ImportantTasksLimit

Type: CSOM Int32

Accessibility: Read/Write

Specifies the maximum number of days during which a task (2) is marked as important.

3.1.5.43.1.1.5 InactiveMonthsBeforeLocationExpiration

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of months a location needs to be inactive before it expires.

3.1.5.43.1.1.6 LateTasksLimit

Type: CSOM Int32

Accessibility: Read/Write

Specifies the maximum number of days to show a late task (2).

3.1.5.43.1.1.7 OldTasksLimit

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of months after which a task (2) is marked as old.

3.1.5.43.1.1.8 UpcomingTasksLimit

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of days to show a task (2) in the upcoming task (2) list.

3.1.5.43.1.1.9 ImportantLocationIds

Type: CSOM array of CSOM Int32

Accessibility: Read/Write

Specifies the locations that are important.

3.1.5.43.1.2 ObjectPath Properties

None.

3.1.5.43.2 Methods

3.1.5.43.2.1 Scalar Methods

None.

3.1.5.43.2.2 ObjectPath Methods

3.1.5.43.2.2.1 CSOM Constructor

Creates a new **UserSettings** object.

Parameters: None

3.1.5.44 Microsoft.SharePoint.WorkManagement.Client.UserSettingsManager

TypeId: {73B6F1D6-C69C-4787-8413-2BB14D336410}

ShortName: SP.WorkManagement.OM.UserSettingsManager

Manages user settings, as specified in section [3.1.5.43](#).

3.1.5.44.1 Properties

3.1.5.44.1.1 Scalar Properties

None.

3.1.5.44.1.2 ObjectPath Properties

None.

3.1.5.44.2 Methods

3.1.5.44.2.1 Scalar Methods

3.1.5.44.2.1.1 SetUserSettings

Return Type: None

Saves the user settings.

Parameters:

settings: Specifies the user settings.

Type: Microsoft.SharePoint.WorkManagement.Client.UserSettings

locationColorUpdates: Specifies the display settings of the location.

Type: CSOM array of Microsoft.SharePoint.WorkManagement.Client.LocationDisplaySetting

3.1.5.44.2.1.2 IsExchangeJobPending

Return Type: CSOM Boolean

Returns true if there is a server synchronization in progress for the user, or false otherwise.

Parameters: None

3.1.5.44.2.1.3 OptIntoExchangeSync

Return Type: Microsoft.SharePoint.WorkManagement.Client.ExchangeOptInResult

Turns on synchronization with a task (2) server for a user. [<1>](#)

Parameters: None

3.1.5.44.2.1.4 OptOutOfExchangeSync

Return Type: CSOM Boolean

Turns off task (2) synchronization with a task (2) server for a user. [<2>](#)

Parameters: None

3.1.5.44.2.1.5 SetPersistedProperties

Return Type: None

Sets metadata that persists across sessions for a user.

Parameters:

persistedProperties: Specifies the property values to persist.

Type: Microsoft.SharePoint.WorkManagement.Client.PersistedProperties

3.1.5.44.2.2 ObjectPath Methods

3.1.5.44.2.2.1 GetAllLocations

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationClientCollection

Returns all the locations.

Parameters: None

3.1.5.44.2.2.2 GetImportantLocations

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationClientCollection

Returns all the important locations.

Parameters: None

3.1.5.44.2.2.3 GetUserSettings

Return Type: Microsoft.SharePoint.WorkManagement.Client.UserSettings

Returns the user settings.

Parameters: None

3.1.5.44.2.2.4 GetLocations

Return Type: Microsoft.SharePoint.WorkManagement.Client.LocationClientCollection

Returns a collection of locations.

Parameters:

locationsId: Specifies the location identifiers.

Type: CSOM array of CSOM Int32

3.1.5.44.2.2.5 CSOM Constructor

Creates a new **UserSettingsManager** object.

Parameters: None

3.1.5.44.2.2.6 GetExchangeSyncInfo

Return Type: Microsoft.SharePoint.WorkManagement.Client.ExchangeUserSyncState

Returns information about a server synchronization for a user. [<3>](#)

Parameters: None

3.1.5.44.2.2.7 GetPersistedProperties

Return Type: Microsoft.SharePoint.WorkManagement.Client.PersistedProperties

Returns metadata that is persisted across sessions for a user.

Parameters: None

3.1.5.45 Microsoft.SharePoint.WorkManagement.Client.ViewSelectionInfo

TypeId: {9C4B64C1-8722-45C0-9D9D-E61C2F36BB44}

ShortName: SP.WorkManagement.OM.ViewSelectionInfo

Represents information about the task (2) **view** selection.

3.1.5.45.1 Properties

3.1.5.45.1.1 Scalar Properties

3.1.5.45.1.1.1 Id

Type: CSOM Int32

Accessibility: Read/Write

Specifies the view identifier.

3.1.5.45.1.1.2 Image

Type: CSOM String

Accessibility: Read/Write

Specifies the image identifier.

3.1.5.45.1.1.3 Name

Type: CSOM String

Accessibility: Read/Write

Specifies the view name.

3.1.5.45.1.2 ObjectPath Properties

None.

3.1.5.45.2 Methods

3.1.5.45.2.1 Scalar Methods

None.

3.1.5.45.2.2 ObjectPath Methods

3.1.5.45.2.2.1 CSOM Constructor

Creates a new **ViewSelectionInfo** object.

Parameters: None

3.1.5.46 Microsoft.SharePoint.WorkManagement.Client.WritableTaskField

ShortName: SP.WorkManagement.OM.WritableTaskField

Flag: false

Defines the fields that can be updated on a task (2).

3.1.5.46.1 Field Values

3.1.5.46.1.1 NoValue

Value: 0

No value.

3.1.5.46.1.2 IsCompleted

Value: 13

Specifies the **IsCompleted** field.

3.1.5.46.1.3 DueDate

Value: 5

Specifies the **DueDate** field.

3.1.5.46.1.4 Description

Value: 4

Specifies the **Description** field.

3.1.5.46.1.5 Title

Value: 21

Specifies the **Title** field.

3.1.5.46.1.6 EditUrl

Value: 6

Specifies the **EditUrl** field.

3.1.5.46.1.7 StartDate

Value: 28

Specifies the **StartDate** field.

3.1.5.47 Microsoft.SharePoint.WorkManagement.Client.WriteFieldErrorType

ShortName: SP.WorkManagement.OM.WriteFieldErrorType

Flag: false

Defines the error values from a field write.

3.1.5.47.1 Field Values

3.1.5.47.1.1 NoValue

Value: 0

No value.

3.1.5.47.1.2 TaskNotFound

Value: 1

Specifies that the task (2) was not found.

3.1.5.47.1.3 InvalidInput

Value: 2

Specifies that the format of the input was not valid.

3.1.5.47.1.4 TaskDeleted

Value: 3

Specifies that the task (2) was deleted.

3.1.5.47.1.5 FieldConflict

Value: 4

Specifies that there was a field conflict error.

3.1.5.47.1.6 Validation

Value: 5

Specifies that there was a validation error.

3.1.5.47.1.7 LocationInvalid

Value: 6

Specifies that the location was not valid.

3.1.5.47.1.8 Unknown

Value: 7

Specifies that there was an unknown error.

3.1.5.47.1.9 DueDateInvalid

Value: 8

Specifies that the due date was not valid.

3.1.5.47.1.10StartDateInvalid

Value: 9

Specifies that the start date was not valid.

3.1.5.47.1.11DescriptionInvalid

Value: 10

Specifies that the description was not valid.

3.1.5.47.1.12IsCompletedInvalid

Value: 11

Specifies that the completion value was not valid.

3.1.5.47.1.13TitleInvalid

Value: 12

Specifies that the title was not valid.

3.1.5.47.1.14EditUrlInvalid

Value: 13

Specifies that the edit URL was not valid.

3.1.5.47.1.15AccessDenied

Value: 14

Specifies that the user does not have sufficient privileges to write to the field

3.1.5.47.1.16PromoteTargetTaskNotPersonal

Value: 15

Specifies that the task (2) is not a personal task (2), and therefore cannot be promoted.

3.1.5.47.1.17PromotionFailedInProvider

Value: 16

Specifies that the provider failed to promote the task (2).

3.1.5.48 Microsoft.SharePoint.WorkManagement.Client.PrivacyType

ShortName: SP.WorkManagement.OM.PrivacyType

Flag: false

Defines the privacy state values.

3.1.5.48.1 Field Values

3.1.5.48.1.1 None

Value: 0

None.

3.1.5.48.1.2 Personal

Value: 1

Specifies that a task (2) is personal and visible only to the user.

3.1.5.48.1.3 Public

Value: 2

Specifies that the task (2) was aggregated from another location.

3.1.5.49 Microsoft.SharePoint.WorkManagement.Client.CalloutInfo

TypeId: {B869CD40-9A6E-4C16-916F-C73EE85745CB}

ShortName: SP.WorkManagement.OM.CalloutInfo

Represents supplemental information about a task (2).

3.1.5.49.1 Properties

3.1.5.49.1.1 Scalar Properties

3.1.5.49.1.1.1 Contacts

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies users that the current task (2) is assigned to other than the current user.

3.1.5.49.1.1.2 DirectLinkTitle

Type: CSOM String

Accessibility: Read/Write

The title of the direct link for the list of tasks (2) where this task (2) is included.

3.1.5.49.1.1.3 DirectLinkUrl

Type: CSOM String

Accessibility: Read/Write

Url for the direct link for the list of tasks (2) where this task (2) is included.

3.1.5.49.1.1.4 Hierarchy

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies tasks (2) that are parents of the current task (2).

3.1.5.49.1.1.5 Predecessors

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies tasks (2) that the current task (2) depends on.

3.1.5.49.1.1.6 Successors

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies tasks (2) that depend on the current task (2).

3.1.5.49.1.1.7 Title

Type: CSOM String

Accessibility: Read/Write

The title of the tasks (2) container.

3.1.5.49.1.1.8 Url

Type: CSOM String

Accessibility: Read/Write

Specifies the URL to edit the task (2).

3.1.5.49.1.2 ObjectPath Properties

None.

3.1.5.49.2 Methods

3.1.5.49.2.1 Scalar Methods

None.

3.1.5.49.2.2 ObjectPath Methods

None.

3.1.5.50 Microsoft.SharePoint.WorkManagement.Client.DashboardScriptExtensionInfoClientCollection

TypeId: {03644911-E5E9-4504-9F73-85D50B9DD6A0}

ShortName: SP.WorkManagement.OM.DashboardScriptExtensionInfoClientCollection

Represents a collection of **DashboardScriptExtensionInfo** objects (section [3.1.5.7](#)).

3.1.5.50.1 Properties

3.1.5.50.1.1 Scalar Properties

None.

3.1.5.50.1.2 ObjectPath Properties

None.

3.1.5.50.2 Methods

3.1.5.50.2.1 Scalar Methods

None.

3.1.5.50.2.2 ObjectPath Methods

None.

3.1.5.51 Microsoft.SharePoint.WorkManagement.Client.ExchangeOptInResult

ShortName: SP.WorkManagement.OM.ExchangeOptInResult

Flag: false

Represents status information for an operation to enable synchronization with an external task (2) server for a user.

3.1.5.51.1 Field Values

3.1.5.51.1.1 NoValue

Value: 0

No value.

3.1.5.51.1.2 Success

Value: 1

Specifies that the operation succeeded.

3.1.5.51.1.3 UnknownError

Value: 2

Specifies that there was an unknown error when enabling synchronization.

3.1.5.51.1.4 CouldNotConnectToExchange

Value: 3

Specifies that the operation could not connect with the external task (2) server.

3.1.5.51.1.5 CouldNotFindOrCreateMySite

Value: 4

Specifies that the synchronization operation could not find or create the user's personal site in which to store synchronization data.

3.1.5.51.1.6 UserAlreadyOptedIn

Value: 5

Specifies that the user has already enabled task (2) server synchronization.

3.1.5.51.1.7 UserExchangeOperationPending

Value: 6

Specifies that an operation to enable synchronization is already in process.

3.1.5.51.1.8 UnsupportedExchangeVersion

Value: 7

Specifies that the version of the task (2) server is not compatible with the synchronization operation.

3.1.5.51.1.9 MissingEmailAddress

Value: 8

Specifies that the user's email address could not be found in the User Profile Service.

3.1.5.51.1.10 ExchangeWebServiceClientMissing

Value: 9

Specifies that the component required to connect to the external task (2) server is not available.

3.1.5.51.1.11 UnsupportedSharePointConfiguration

Value: 10

Specifies that the local server is not configured correctly for synchronization with an external task (2) server.

3.1.5.51.1.12 InvalidOrUnauthorizedUser

Value: 11

Specifies that the user specified is not valid or unauthorized on the external task (2) server.

3.1.5.51.1.13 CouldNotActivateExchangeSyncFeatureOnSiteSubscription

Value: 12

Specifies that the synchronization operation could not be activated on the local server.

3.1.5.52 Microsoft.SharePoint.WorkManagement.Client.ExchangeSyncResult

ShortName: SP.WorkManagement.OM.ExchangeSyncResult

Flag: false

Represents information about a task (2) server synchronization operation.

3.1.5.52.1 Field Values

3.1.5.52.1.1 NoValue

Value: 0

No value.

3.1.5.52.1.2 Success

Value: 1

Specifies that the synchronization operation succeeded.

3.1.5.52.1.3 UnknownError

Value: 2

Specifies that there was an unknown error during the synchronization.

3.1.5.52.1.4 CouldNotConnectToExchange

Value: 3

Specifies that the operation could not connect with the external task (2) server.

3.1.5.52.1.5 CouldNotGetUserCredentials

Value: 4

Specifies that the operation could not get credentials for the user it was trying to synchronize.

3.1.5.52.1.6 CouldNotKickoffJob

Value: 5

Specifies that a synchronization operation could not be started.

3.1.5.52.1.7 SyncWithErrors

Value: 6

Specifies that the synchronization finished but with errors.

3.1.5.53 Microsoft.SharePoint.WorkManagement.Client.ExchangeUserSyncState

TypeId: {DF02E325-1546-4E32-BEDE-704630D31669}

ShortName: SP.WorkManagement.OM.ExchangeUserSyncState

Represents status for external task (2) server synchronization operations for a user.

3.1.5.53.1 Properties

3.1.5.53.1.1 Scalar Properties

3.1.5.53.1.1.1 IsOptedIn

Type: CSOM Boolean

Accessibility: Read Only

Specifies whether synchronization is enabled for a user or not.

3.1.5.53.1.1.2 LastEndTime

Type: CSOM DateTime

Accessibility: Read Only

Specifies when the last synchronization operation finished.

3.1.5.53.1.1.3 LastSyncResult

Type: Microsoft.SharePoint.WorkManagement.Client.ExchangeSyncResult

Accessibility: Read Only

Specifies the outcome of the last synchronization operation for the user.

3.1.5.53.1.2 ObjectPath Properties

None.

3.1.5.53.2 Methods

3.1.5.53.2.1 Scalar Methods

None.

3.1.5.53.2.2 ObjectPath Methods

None.

3.1.5.54 Microsoft.SharePoint.WorkManagement.Client.NonTaskDataReadResult

TypeId: {D1A564B4-5E35-4A5B-92B6-99DC85DACDA4}

ShortName: SP.WorkManagement.OM.NonTaskDataReadResult

Represents information about a user's task (2) list and experience settings that is not specific to the tasks (2) themselves.

3.1.5.54.1 Properties

3.1.5.54.1.1 Scalar Properties

None.

3.1.5.54.1.2 ObjectPath Properties

3.1.5.54.1.2.1 AllLocatons

Type: Microsoft.SharePoint.WorkManagement.Client.LocationClientCollection

Accessibility: Read Only

Specifies the location of sources from which tasks (2) were aggregated.

3.1.5.54.1.2.2 PersistedProperties

Type: Microsoft.SharePoint.WorkManagement.Client.PersistedProperties

Accessibility: Read Only

Specifies persisted properties for the user.

3.1.5.54.1.2.3 RefreshHistory

Type: Microsoft.SharePoint.WorkManagement.Client.RefreshHistory

Accessibility: Read Only

Specifies information about the last time the user's tasks (2) list was updated.

3.1.5.54.1.2.4 ScriptExtensions

Type: Microsoft.SharePoint.WorkManagement.Client.DashboardScriptExtensionInfoClientCollection

Accessibility: Read Only

Specifies script extensions for task providers.

3.1.5.54.1.2.5 UserSettings

Type: Microsoft.SharePoint.WorkManagement.Client.UserSettings

Accessibility: Read Only

Specifies the setting values for the user.

3.1.5.54.2 Methods

3.1.5.54.2.1 Scalar Methods

None.

3.1.5.54.2.2 ObjectPath Methods

None.

3.1.5.55 Microsoft.SharePoint.WorkManagement.Client.PersistedProperties

TypeId: {C05EBF4C-F2C5-4167-9043-F21C4E1B682D}

ShortName: SP.WorkManagement.OM.PersistedProperties

Represents properties about the user's last interaction with system that is persisted the next time the user loads the user experience.

3.1.5.55.1 Properties

3.1.5.55.1.1 Scalar Properties

3.1.5.55.1.1.1 FilteredLocationIds

Type: CSOM array of CSOM Int32

Accessibility: Read/Write

Specifies the locations filtered by the user in the user experience.

3.1.5.55.1.1.2 GroupByProjects

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the user's task (2) list is displayed as grouped by project or as a flat list.

3.1.5.55.1.1.3 HasShownMarkAsImportantCallout

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the user has been prompted to try to set a pin on a task (2) or not.

3.1.5.55.1.1.4 HasShownTaskListTooLongNotification

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the user has been prompted that the user's task (2) list has accumulated a large number of tasks (2) or not.

3.1.5.55.1.1.5 QuickLaunchLandingPage

Type: CSOM String

Accessibility: Read/Write

Specifies the default view when navigating to the user experience.

3.1.5.55.1.2 ObjectPath Properties

None.

3.1.5.55.2 Methods

3.1.5.55.2.1 Scalar Methods

None.

3.1.5.55.2.2 ObjectPath Methods

3.1.5.55.2.2.1 CSOM Constructor

Creates a new **PersistedProperties** object.

Parameters: None

3.1.5.56 Microsoft.SharePoint.WorkManagement.Client.TaskRefreshResult

TypeId: {7F3B5192-690D-40F0-A69F-553268333A61}

ShortName: SP.WorkManagement.OM.TaskRefreshResult

Represents result information when updating a specific task (2) from its source.

3.1.5.56.1 Properties

3.1.5.56.1.1 Scalar Properties

3.1.5.56.1.1.1 ErrorCorrelationId

Type: CSOM String

Accessibility: Read/Write

Specifies the unique identifier for the request or operation associated with an error if an error occurred during the update.

3.1.5.56.1.1.2 RefreshState

Type: Microsoft.SharePoint.WorkManagement.Client.RefreshState

Accessibility: Read/Write

Specifies the refresh state for the operation.

3.1.5.56.1.2 ObjectPath Properties

3.1.5.56.1.2.1 Result

Type: Microsoft.SharePoint.WorkManagement.Client.Task

Accessibility: Read/Write

Specifies the updated task (2) after applying the updates.

3.1.5.56.2 Methods

3.1.5.56.2.1 Scalar Methods

None.

3.1.5.56.2.2 ObjectPath Methods

None.

3.1.5.57 Microsoft.SharePoint.WorkManagement.Client.TaskQueryByLocationResult

TypeId: {C71139AF-B900-4597-B03F-B46E7605C163}

ShortName: SP.WorkManagement.OM.TaskQueryByLocationResult

Represents the result of reading tasks (2) by location.

3.1.5.57.1 Properties

3.1.5.57.1.1 Scalar Properties

3.1.5.57.1.1.1 Error

Type: Microsoft.SharePoint.WorkManagement.Client.TaskQueryErrorType

Accessibility: Read/Write

The error type of the operation.

3.1.5.57.1.1.2 ErrorMessage

Type: CSOM String

Accessibility: Read/Write

The error message for the failed task (2) query.

3.1.5.57.1.2 ObjectPath Properties

3.1.5.57.1.2.1 Results

Type: Microsoft.SharePoint.WorkManagement.Client.LocationGroupClientCollection

Accessibility: Read/Write

A collection with information about each task (2).

3.1.5.57.2 Methods

3.1.5.57.2.1 Scalar Methods

None.

3.1.5.57.2.2 ObjectPath Methods

None.

3.1.5.58 Microsoft.SharePoint.WorkManagement.Client.TaskQueryErrorType

ShortName: SP.WorkManagement.OM.TaskQueryErrorType

Flag: false

A method that enumerates the error during a task (2) query.

3.1.5.58.1 Field Values

3.1.5.58.1.1 NoValue

Value: 0

3.1.5.58.1.2 QueryThrottled

Value: 1

3.1.5.59 Microsoft.SharePoint.WorkManagement.Client.TaskQueryResult

TypeId: {CB846FB7-0B8D-4D39-B1AE-6229C635F25B}

ShortName: SP.WorkManagement.OM.TaskQueryResult

A method that represents the result of reading tasks (2).

3.1.5.59.1 Properties

3.1.5.59.1.1 Scalar Properties

3.1.5.59.1.1.1 Error

Type: Microsoft.SharePoint.WorkManagement.Client.TaskQueryErrorType

Accessibility: Read/Write

The error type of the operation.

3.1.5.59.1.1.2 ErrorMessage

Type: CSOM String

Accessibility: Read/Write

The error message for the failed task (2) query.

3.1.5.59.1.2 ObjectPath Properties

3.1.5.59.1.2.1 Results

Type: Microsoft.SharePoint.WorkManagement.Client.TaskClientCollection

Accessibility: Read/Write

A collection with information about each task (2).

3.1.5.59.2 Methods

3.1.5.59.2.1 Scalar Methods

None.

3.1.5.59.2.2 ObjectPath Methods

None.

3.1.6 Timer Events

None.

3.1.7 Other Local Events

None.

4 Protocol Examples

4.1 Retrieving Active Tasks for a User

This example calls **ReadTasks** (section [3.1.5.16.2.2.8](#)) to get all tasks (2) that are not complete for the current user.

Request

```
<Request xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009"
SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0" ApplicationName="Javascript Library">
  <Actions>
    <ObjectPath Id="17" ObjectPathId="16" />
    <ObjectPath Id="19" ObjectPathId="18" />
    <ObjectPath Id="21" ObjectPathId="20" />
    <ObjectPath Id="23" ObjectPathId="22" />
    <ObjectPath Id="25" ObjectPathId="24" />
    <ObjectPath Id="27" ObjectPathId="26" />
    <ObjectPath Id="29" ObjectPathId="28" />
    <ObjectPath Id="31" ObjectPathId="30" />
    <SetProperty Id="32" ObjectPathId="28" Name="LocationFilter">
      <Parameter ObjectPathId="30" />
    </SetProperty>
    <SetProperty Id="33" ObjectPathId="30" Name="LocationKeys">
      <Parameter Type="Array" />
    </SetProperty>

    <SetProperty Id="34" ObjectPathId="30" Name=" IncludeUncategorizedTasks">

      <Parameter Type="Boolean">true</Parameter>
    </SetProperty>
    <SetProperty Id="35" ObjectPathId="28" Name="KeywordFilter">
      <Parameter Type="Null" />
    </SetProperty>
    <ObjectPath Id="37" ObjectPathId="36" />
    <SetProperty Id="38" ObjectPathId="28" Name="FieldFilter">
      <Parameter ObjectPathId="36" />
    </SetProperty>
    <ObjectPath Id="40" ObjectPathId="39" />
    <SetProperty Id="41" ObjectPathId="36" Name="CompletedCriterion">
      <Parameter ObjectPathId="39" />
    </SetProperty>
    <SetProperty Id="42" ObjectPathId="39" Name="CompareType">
      <Parameter Type="Number">2</Parameter>
    </SetProperty>
    <ObjectPath Id="44" ObjectPathId="43" />
    <SetProperty Id="45" ObjectPathId="28" Name="LastModifiedDateRangeFilter">
      <Parameter ObjectPathId="43" />
    </SetProperty>
    <SetProperty Id="46" ObjectPathId="43" Name="RangeStartValue">
      <Parameter Type="DateTime">2009-11-17T23:34:52.370-08:00</Parameter>
    </SetProperty>
    <ObjectPath Id="48" ObjectPathId="47" />
    <ObjectPath Id="50" ObjectPathId="49" />
    <Query Id="51" ObjectPathId="49">
      <Query SelectAllProperties="true">
        <Properties />
      </Query>
    </Query>
    <ObjectPath Id="53" ObjectPathId="52" />
    <Query Id="54" ObjectPathId="52">
      <Query SelectAllProperties="true">
        <Properties />
      </Query>
    <ChildItemQuery SelectAllProperties="true">
```

```

    <Properties />
  </ChildItemQuery>
</Query>
</Actions>
<ObjectPaths>
  <Constructor Id="16" TypeId="{9c4b64c1-8722-45c0-9d9d-e61c2f36bb44}" />
  <Constructor Id="18" TypeId="{9c4b64c1-8722-45c0-9d9d-e61c2f36bb44}" />
  <Constructor Id="20" TypeId="{9c4b64c1-8722-45c0-9d9d-e61c2f36bb44}" />
  <Constructor Id="22" TypeId="{9c4b64c1-8722-45c0-9d9d-e61c2f36bb44}" />
  <Constructor Id="24" TypeId="{9c4b64c1-8722-45c0-9d9d-e61c2f36bb44}" />
  <Constructor Id="26" TypeId="{9c4b64c1-8722-45c0-9d9d-e61c2f36bb44}" />
  <Constructor Id="28" TypeId="{70c9591d-9a78-404a-9fe8-b50b1e02cd93}" />
  <Constructor Id="30" TypeId="{d9ce752e-01ed-4872-b4da-fc362038fbf0}" />
  <Constructor Id="36" TypeId="{3188516d-d569-40f8-8c01-1d48fbf5243c}" />
  <Constructor Id="39" TypeId="{16d379b2-e752-405e-a05f-a8fe05aa0d07}" />
  <Constructor Id="43" TypeId="{c9c79001-8e9d-4f24-860b-55bd22c13eae}" />
  <Constructor Id="47" TypeId="{d82117fb-e4aa-4ab8-b590-cb2be4b2f078}" />
  <Method Id="49" ParentId="47" Name="CreateLocationOrientedSession" />
  <Method Id="52" ParentId="49" Name="ReadTasks">
    <Parameters>
      <Parameter ObjectPathId="28" />
    </Parameters>
  </Method>
</ObjectPaths>
</Request>

```

Response

The server returns a list of tasks (2), which are named "Pay Rent", "Get Groceries", and "Remember the Milk".

```

[ { "ErrorInfo" : null,

  "LibraryVersion" : "15.0.3510.3000",
  "SchemaVersion" : "15.0.0.0"
},
17,
{ "IsNull" : false },
19,
{ "IsNull" : false },
21,
{ "IsNull" : false },
23,
{ "IsNull" : false },
25,
{ "IsNull" : false },
27,
{ "IsNull" : false },
29,
{ "IsNull" : false },
31,
{ "IsNull" : false },
37,
{ "IsNull" : false },
40,
{ "IsNull" : false },
44,
{ "IsNull" : false },
48,
{ "IsNull" : false },
50,
{ "IsNull" : false },
51,
{ " ObjectType " : "SP.WorkManagement.OM.LocationOrientedUserOrderedSession" },
53,
{ "IsNull" : false },

```

54,

```
{  
  
  "_ObjectType_" : "SP.WorkManagement.OM.LocationGroupClientCollection"  
  "_Child_Items_" : [ {  
    "_ObjectType_" : "SP.WorkManagement.OM.Task"  
    "CustomAttributes" : [ ],  
  
    "Description" : null,  
    "DueDate" : "/Date(2011,10,18,0,0,0,0)/",  
    "EditUrl" : "EditTask.aspx?taskId=13",  
    "Id" : 13,  
    "IsCompleted" : false,  
    "IsPersonal" : true,  
"LastModified" : "/Date(1321572834000)/",  
    "LocationId" : -1,  
    "Name" : "Remember the Milk",  
    "PinAge" : 0,  
    "SerializedCustomDataForClient" : null,  
    "StartDate" : "/Date(1,0,1,0,0,0,0)/"  
  },  
  {  
  
    "_ObjectType_" : "SP.WorkManagement.OM.Task"  
    "CustomAttributes" : [ ],  
  
    "Description" : null,  
    "DueDate" : "/Date(2011,3,29,10,0,0,0)/",  
    "EditUrl" : "http://office:80/project/TaskDetails.aspx?proj=dca8826e-6562-49b1-a968-853400d76085&assn=f4a10d33-dd48-4d1e-8b17-3dd327e9e219",  
    "Id" : 1,  
    "IsCompleted" : false,  
    "IsPersonal" : false,  
"LastModified" : "/Date(1321572850000)/",  
    "LocationId" : 2,  
    "Name" : "Get Groceries",  
    "PinAge" : 0,  
    "SerializedCustomDataForClient" :  
    "{\isProjectServerTask\":true,\taskData\":{\pwaUrl\":\http://office/project\\\",\\\assnUid\":\\\f4a10d33-dd48-4d1e-8b17-3dd327e9e219\\\",\\\taskUid\":\\\cfba49cb-3548-468c-91c0-e6df5f63ab75\\\"}}",  
    "StartDate" : "/Date(2011,3,11,1,0,0,0)/"  
  },  
  {  
  
    "_ObjectType_" : "SP.WorkManagement.OM.Task"  
    "CustomAttributes" : [ ],  
  
    "Description" : null,  
    "DueDate" : "/Date(2011,7,16,5,0,0,0)/",  
    "EditUrl" : "http://office:80/project/TaskDetails.aspx?proj=a2178405-843c-447b-91ee-8bdeef8d9498&assn=6ed66c3f-5e51-4a3c-a5b0-6e2c6bc7b3c2",  
    "Id" : 2,  
    "IsCompleted" : false,  
    "IsPersonal" : false,  
"LastModified" : "/Date(1321572857000)/",  
    "LocationId" : 4,  
    "Name" : "Pay Rent",  
    "PinAge" : 0,  
    "SerializedCustomDataForClient" :  
    "{\isProjectServerTask\":true,\taskData\":{\pwaUrl\":\http://office/project\\\",\\\assnUid\":\\\6ed66c3f-5e51-4a3c-a5b0-6e2c6bc7b3c2\\\",\\\taskUid\":\\\42cad6a0-3bf7-44ae-b953-0acaad394a6f\\\"}}",  
    "StartDate" : "/Date(2011,7,7,1,0,0,0)/"  
  }  
}
```

```
    ]  
  }  
]
```

4.2 Updating a Task

In this example, the protocol client updates the title of a task (2) to "Remember the chocolate".

Request

```
<Request xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009"  
SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0" ApplicationName="Javascript Library">  
  <Actions>  
    <ObjectPath Id="156" ObjectPathId="155" />  
    <ObjectPath Id="158" ObjectPathId="157" />  
    <Query Id="159" ObjectPathId="157">  
      <Query SelectAllProperties="true">  
        <Properties />  
      </Query>  
    </Query>  
  </Actions>  
  <ObjectPaths>  
    <Constructor Id="155" TypeId="{d82117fb-e4aa-4ab8-b590-cb2be4b2f078}" />  
    <Method Id="157" ParentId="155" Name="CreateLocationOrientedSession" />  
    <Method Id="160" ParentId="157" Name="UpdateTaskWithLocalizedValue">  
      <Parameters>  
        <Parameter Type="Number">13</Parameter>  
        <Parameter Type="Number">1</Parameter>  
        <Parameter Type="String">Remember the Chocolate</Parameter>  
      </Parameters>  
    </Method>  
  </ObjectPaths>  
</Request>
```

Response

The protocol server responds with the new position of the updated task (2) in the sort order of the list.

```
[ { "ErrorInfo" : null,  
  "LibraryVersion" : "15.0.3510.3000",  
  "SchemaVersion" : "15.0.0.0"  
},  
156,  
{ "IsNull" : false },  
158,  
{ "IsNull" : false },  
159,  
{ "_ObjectType_" : "SP.WorkManagement.OM.LocationOrientedUserOrderedSession" },  
161,  
{ "IsNull" : false }  
]
```

4.3 Creating a New Task

In this example, the protocol client creates a new task (2) with the name "Go to concert".

Request

```

<Request xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009"
SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0" ApplicationName="Javascript Library">
  <Actions>
    <ObjectPath Id="1" ObjectPathId="0" />
    <ObjectPath Id="3" ObjectPathId="2" />
    <Query Id="4" ObjectPathId="2">
      <Query SelectAllProperties="true">
        <Properties />
      </Query>
    </Query>
    <ObjectPath Id="6" ObjectPathId="5" />
    <Query Id="7" ObjectPathId="5">
      <Query SelectAllProperties="true">
        <Properties />
      </Query>
    </Query>
    <ObjectPath Id="9" ObjectPathId="8" />
    <Query Id="10" ObjectPathId="8">
      <Query SelectAllProperties="true">
        <Properties />
      </Query>
    </Query>
  </Actions>
  <ObjectPaths>
    <Constructor Id="0" TypeId="{924b1779-998e-4c60-a291-78edebc3c202}" />
    <Method Id="2" ParentId="0" Name="CreateSession" />
    <Method Id="5" ParentId="2" Name="CreateTask">
      <Parameters>
        <Parameter Type="String">Go to concert</Parameter>
        <Parameter Type="String"></Parameter>
        <Parameter Type="String"></Parameter>
        <Parameter Type="String">11/23/2011</Parameter>
        <Parameter Type="Boolean">>false</Parameter>
        <Parameter Type="Boolean">>false</Parameter>
        <Parameter Type="String"></Parameter>
        <Parameter Type="Number">-1</Parameter>
      </Parameters>
    </Method>
    <Property Id="8" ParentId="5" Name="Result" />
  </ObjectPaths>
</Request>

```

Response

The protocol server responds with the metadata of the new task (2) and its position in the sort order of the list.

```

[ { "ErrorInfo" : null,
  "LibraryVersion" : "15.0.3510.3000",
  "SchemaVersion" : "15.0.0.0"
},
1,
{ "IsNull" : false },
3,
{ "IsNull" : false },
4,
{ "_ObjectType_" : "SP.WorkManagement.OM.SortableSession" },
6,
{ "IsNull" : false },
7,
{ "_ObjectType_" : "SP.WorkManagement.OM.TaskWriteResult"
  "Error" : 0,
  "ErrorMessage" : null
},
9,

```



```
{ "IsNull" : false },
10,
{ "_ObjectType_" : "SP.WorkManagement.OM.Task"
  "CustomAttributes" : [ ],
  "Description" : null,
  "DueDate" : "/Date(2011,10,23,0,0,0,0)/",
  "EditUrl" : "EditTask.aspx?taskId=15",
  "Id" : 15,
  "IsCompleted" : false,
  "IsPersonal" : true,
  "LastModified" : "/Date(1321573451000)/",
  "LocationId" : -1,
  "Name" : "Go to concert",
  "PinAge" : 0,
  "SerializedCustomDataForClient" : null,
  "StartDate" : "/Date(1,0,1,0,0,0,0)/"
}
]
```

Preliminary

5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

Preliminary

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
- Microsoft SharePoint Server 2016 Preview

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

[<1> Section 3.1.5.44.2.1.3](#): This method is only supported by Microsoft Exchange Server 2013.

[<2> Section 3.1.5.44.2.1.4](#): This method is only supported by Exchange 2013.

[<3> Section 3.1.5.44.2.2.6](#): This method is only supported by Exchange 2013.

7 Change Tracking

This section identifies changes that were made to this document since the last release. 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.
- The removal of a document from the documentation set.

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 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 changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

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.
- 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 dochelp@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
6 Appendix A: Product Behavior	Updated list of supported products.	Y	Content updated due to protocol revision.

Preliminary

8 Index

A

Abstract data model
[server](#) 22
[Applicability](#) 19

C

[Capability negotiation](#) 20
[Change tracking](#) 108
[Client – message processing](#) 22
[Client – sequencing rules](#) 22
[Common Exceptions message](#) 21
[Creating a new task example](#) 103

D

Data model - abstract
[server](#) 22

E

Examples
[creating a new task](#) 103
[retrieving active tasks for a user](#) 100
[updating a task](#) 103

F

[Fields - vendor-extensible](#) 20

G

[Glossary](#) 17

H

Higher-layer triggered events
[server](#) 22

I

[Implementer - security considerations](#) 106
[Index of security parameters](#) 106
[Informative references](#) 18
Initialization
[server](#) 22
[Introduction](#) 17

M

[Message processing - client](#) 22
Messages
[Common Exceptions](#) 21
[transport](#) 21
Microsoft.SharePoint.WorkManagement.Client...
[BaseSession](#) 22
[BooleanCompareType](#) 27
[BooleanCriterion](#) 28
[CalloutInfo](#) 89

[CreateRefreshJobResult](#) 28
[CriterionConcatType](#) 29
[CustomAttributeFilter](#) 30
[DashboardScriptExtensionInfo](#) 31
[DashboardScriptExtensionInfoClientCollection](#) 90
[DateRangeCriterion](#) 32
[ExchangeOptInResult](#) 91
[ExchangeSyncResult](#) 92
[ExchangeUserSyncState](#) 93
[GetRefreshHistoryResponse](#) 32
[Location](#) 33
[LocationClientCollection](#) 35
[LocationDisplaySetting](#) 35
[LocationFilter](#) 36
[LocationGroupClientCollection](#) 37
[LocationOrientedSortableSession](#) 37
[LocationOrientedUserOrderedSession](#) 43
[LocationUpdateResult](#) 49
[LocationUpdateResultClientCollection](#) 50
[NameCriterion](#) 50
[NonTaskDataReadResult](#) 94
[OrderInfo](#) 51
[PersistedProperties](#) 95
[PinAge](#) 52
[PinnedState](#) 52
[PrivacyType](#) 88
[ProviderErrorInfo](#) 53
[ProviderErrorInfoClientCollection](#) 54
[ProviderRefreshStatus](#) 54
[ProviderRefreshStatusClientCollection](#) 55
[RefreshEventInfo](#) 56
[RefreshEventInfoClientCollection](#) 57
[RefreshHistory](#) 58
[RefreshState](#) 58
[SortableSession](#) 59
[SortableSessionManager](#) 64
[SortableTaskField](#) 65
[SortableTaskQuery](#) 66
[StringCompareType](#) 67
[Task](#) 68
[TaskClientCollection](#) 70
[TaskFilter](#) 70
[TaskQuery](#) 72
[TaskRefreshResult](#) 96
[TaskWriteResult](#) 73
[UserOrderedSession](#) 74
[UserOrderedSessionManager](#) 80
[UserSettings](#) 81
[UserSettingsManager](#) 82
[ViewSelectionInfo](#) 85
[WritableTaskField](#) 85
[WriteFieldErrorType](#) 86

N

[Normative references](#) 18

O

Other local events
[server](#) 99

[Overview \(synopsis\)](#) 19

P

[Parameters - security index](#) 106

[Preconditions](#) 19

[Prerequisites](#) 19

[Product behavior](#) 107

R

[References](#) 18

[informative](#) 18

[normative](#) 18

[Relationship to other protocols](#) 19

[Retrieving active tasks for a user example](#) 100

S

Security

[implementer considerations](#) 106

[parameter index](#) 106

[Sequencing rules - client](#) 22

Server

[abstract data model](#) 22

[higher-layer triggered events](#) 22

[initialization](#) 22

[other local events](#) 99

[timer events](#) 99

[timers](#) 22

[Standards assignments](#) 20

T

Timer events

[server](#) 99

Timers

[server](#) 22

[Tracking changes](#) 108

[Transport](#) 21

Triggered events - higher-layer

[server](#) 22

U

[Updating a task example](#) 103

V

[Vendor-extensible fields](#) 20

[Versioning](#) 20