**[MS-COMMCSOM]:**

**Community Client-Side Object Model Protocol**

Intellectual Property Rights Notice for Open Specifications Documentation

* **Technical Documentation.** Microsoft publishes Open Specifications documentation (“this documentation”) for protocols, file formats, data portability, computer languages, and standards support. Additionally, overview documents cover inter-protocol relationships and interactions.
* **Copyrights**. This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you can make copies of it in order to develop implementations of the technologies that are described in this documentation and can distribute portions of it in your implementations that use these technologies or in your documentation as necessary to properly document the implementation. You can also distribute in your implementation, with or without modification, any schemas, IDLs, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications documentation.
* **No Trade Secrets**. Microsoft does not claim any trade secret rights in this documentation.
* **Patents**. Microsoft has patents that might cover your implementations of the technologies described in the Open Specifications documentation. Neither this notice nor Microsoft's delivery of this documentation grants any licenses under those patents or any other Microsoft patents. However, a given Open Specifications document might be covered by the Microsoft [Open Specifications Promise](http://go.microsoft.com/fwlink/?LinkId=214445) or the [Microsoft Community Promise](http://go.microsoft.com/fwlink/?LinkId=214448). If you would prefer a written license, or if the technologies described in this documentation are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting [iplg@microsoft.com](mailto:iplg@microsoft.com).
* **Trademarks**. The names of companies and products contained in this documentation might be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit [www.microsoft.com/trademarks](http://www.microsoft.com/trademarks).
* **Fictitious Names**. The example companies, organizations, products, domain names, email addresses, logos, people, places, and events that are depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

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

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

**Revision Summary**

| Date | Revision History | Revision Class | Comments |
| --- | --- | --- | --- |
| 1/20/2012 | 0.1 | New | Released new document. |
| 4/11/2012 | 0.1 | None | No changes to the meaning, language, or formatting of the technical content. |
| 7/16/2012 | 0.1 | None | No changes to the meaning, language, or formatting of the technical content. |
| 9/12/2012 | 0.1 | None | 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 | 1.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 7/30/2013 | 1.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 11/18/2013 | 1.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 2/10/2014 | 1.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 4/30/2014 | 1.1 | Minor | Clarified the meaning of the technical content. |
| 7/31/2014 | 1.1 | None | No changes to the meaning, language, or formatting of the technical content. |
| 10/30/2014 | 1.1 | None | No changes to the meaning, language, or formatting of the technical content. |
| 2/26/2016 | 2.0 | Major | Significantly changed the technical content. |
| 7/15/2016 | 2.0 | None | No changes to the meaning, language, or formatting of the technical content. |
| 10/13/2016 | 3.0 | Major | Significantly changed the technical content. |

Table of Contents

[1 Introduction 8](#_Toc464103552)

[1.1 Glossary 8](#_Toc464103553)

[1.2 References 9](#_Toc464103554)

[1.2.1 Normative References 9](#_Toc464103555)

[1.2.2 Informative References 9](#_Toc464103556)

[1.3 Overview 9](#_Toc464103557)

[1.4 Relationship to Other Protocols 10](#_Toc464103558)

[1.5 Prerequisites/Preconditions 10](#_Toc464103559)

[1.6 Applicability Statement 10](#_Toc464103560)

[1.7 Versioning and Capability Negotiation 10](#_Toc464103561)

[1.8 Vendor-Extensible Fields 10](#_Toc464103562)

[1.9 Standards Assignments 10](#_Toc464103563)

[2 Messages 11](#_Toc464103564)

[2.1 Transport 11](#_Toc464103565)

[2.2 Message Syntax 11](#_Toc464103566)

[3 Protocol Details 12](#_Toc464103567)

[3.1 Server Details 12](#_Toc464103568)

[3.1.1 Abstract Data Model 12](#_Toc464103569)

[3.1.2 Timers 12](#_Toc464103570)

[3.1.3 Initialization 12](#_Toc464103571)

[3.1.4 Higher-Layer Triggered Events 12](#_Toc464103572)

[3.1.5 Message Processing Events and Sequencing Rules 12](#_Toc464103573)

[3.1.5.1 Microsoft.SharePoint.Portal.CollaborationMailbox 12](#_Toc464103574)

[3.1.5.1.1 Properties 12](#_Toc464103575)

[3.1.5.1.1.1 Scalar Properties 12](#_Toc464103576)

[3.1.5.1.1.2 ObjectPath Properties 12](#_Toc464103577)

[3.1.5.1.2 Methods 12](#_Toc464103578)

[3.1.5.1.2.1 Scalar Methods 12](#_Toc464103579)

[3.1.5.1.2.1.1 GetCollabMailboxViewInfo 13](#_Toc464103580)

[3.1.5.1.2.2 ObjectPath Methods 13](#_Toc464103581)

[3.1.5.2 Microsoft.SharePoint.Portal.CollaborationMailboxResponse 13](#_Toc464103582)

[3.1.5.2.1 Properties 13](#_Toc464103583)

[3.1.5.2.1.1 Scalar Properties 13](#_Toc464103584)

[3.1.5.2.1.1.1 AlternateUrl 13](#_Toc464103585)

[3.1.5.2.1.1.2 CorrelationId 13](#_Toc464103586)

[3.1.5.2.1.1.3 ErrorCode 13](#_Toc464103587)

[3.1.5.2.1.1.4 Status 13](#_Toc464103588)

[3.1.5.2.1.1.5 Url 14](#_Toc464103589)

[3.1.5.2.1.2 ObjectPath Properties 14](#_Toc464103590)

[3.1.5.3 Microsoft.SharePoint.Portal.CollaborationMailboxStatus 14](#_Toc464103591)

[3.1.5.3.1 Field Values 14](#_Toc464103592)

[3.1.5.3.1.1 ShowOwaFrame 14](#_Toc464103593)

[3.1.5.3.1.2 ShowProvisionFrame 14](#_Toc464103594)

[3.1.5.3.1.3 ErrorStart 14](#_Toc464103595)

[3.1.5.3.1.4 NotSiteOwner 14](#_Toc464103596)

[3.1.5.3.1.5 UnsupportedExchangeVersion 15](#_Toc464103597)

[3.1.5.3.1.6 UnsupportedExchangeTopology 15](#_Toc464103598)

[3.1.5.3.1.7 AutoDiscoverFailed 15](#_Toc464103599)

[3.1.5.3.1.8 UnsupportedSharePointConfiguration 15](#_Toc464103600)

[3.1.5.3.1.9 EwsClientMissing 15](#_Toc464103601)

[3.1.5.3.1.10 WebUrlChanged 15](#_Toc464103602)

[3.1.5.3.1.11 MailboxNotReady 15](#_Toc464103603)

[3.1.5.3.1.12 ServiceError 15](#_Toc464103604)

[3.1.5.3.1.13 ErrorEnd 15](#_Toc464103605)

[3.1.5.3.1.14 LoadShowOwaFrame 16](#_Toc464103606)

[3.1.5.3.1.15 LoadShowProvisionFrame 16](#_Toc464103607)

[3.1.5.3.1.16 DefaultStatus 16](#_Toc464103608)

[3.1.5.3.1.17 MemberGroupsNotAvailable 16](#_Toc464103609)

[3.1.5.4 Microsoft.SharePoint.Portal.CommunityModeration 16](#_Toc464103610)

[3.1.5.4.1 Properties 16](#_Toc464103611)

[3.1.5.4.1.1 Scalar Properties 16](#_Toc464103612)

[3.1.5.4.1.2 ObjectPath Properties 16](#_Toc464103613)

[3.1.5.4.2 Methods 16](#_Toc464103614)

[3.1.5.4.2.1 Scalar Methods 16](#_Toc464103615)

[3.1.5.4.2.1.1 ApproveReportedItems 16](#_Toc464103616)

[3.1.5.4.2.1.2 ReportAbuse 17](#_Toc464103617)

[3.1.5.4.2.2 ObjectPath Methods 18](#_Toc464103618)

[3.1.5.5 Microsoft.SharePoint.Portal.MySiteRecommendations 18](#_Toc464103619)

[3.1.5.5.1 Properties 18](#_Toc464103620)

[3.1.5.5.1.1 Scalar Properties 18](#_Toc464103621)

[3.1.5.5.1.2 ObjectPath Properties 18](#_Toc464103622)

[3.1.5.5.2 Methods 18](#_Toc464103623)

[3.1.5.5.2.1 Scalar Methods 18](#_Toc464103624)

[3.1.5.5.2.1.1 FetchCacheBlob 18](#_Toc464103625)

[3.1.5.5.2.1.2 FollowItem 18](#_Toc464103626)

[3.1.5.5.2.1.3 StopFollowingItem 19](#_Toc464103627)

[3.1.5.5.2.2 ObjectPath Methods 19](#_Toc464103628)

[3.1.5.6 Microsoft.SharePoint.Portal.Project.MyRecsCacheBlob 19](#_Toc464103629)

[3.1.5.6.1 Properties 19](#_Toc464103630)

[3.1.5.6.1.1 Scalar Properties 19](#_Toc464103631)

[3.1.5.6.1.1.1 DateCached 19](#_Toc464103632)

[3.1.5.6.1.1.2 FillInQuery 20](#_Toc464103633)

[3.1.5.6.1.1.3 FillInSortBy 20](#_Toc464103634)

[3.1.5.6.1.1.4 Query 20](#_Toc464103635)

[3.1.5.6.1.1.5 QueryInfo 20](#_Toc464103636)

[3.1.5.6.1.1.6 Result 20](#_Toc464103637)

[3.1.5.6.1.1.7 SortBy 20](#_Toc464103638)

[3.1.5.6.1.2 ObjectPath Properties 21](#_Toc464103639)

[3.1.5.7 Microsoft.SharePoint.Portal.Project.MyRecsCategory 21](#_Toc464103640)

[3.1.5.7.1 Field Values 21](#_Toc464103641)

[3.1.5.7.1.1 Document 21](#_Toc464103642)

[3.1.5.7.1.2 Site 21](#_Toc464103643)

[3.1.5.8 Microsoft.SharePoint.Portal.Project.MyRecsQueryInfo 21](#_Toc464103644)

[3.1.5.8.1 Properties 21](#_Toc464103645)

[3.1.5.8.1.1 Scalar Properties 21](#_Toc464103646)

[3.1.5.8.1.1.1 Category 21](#_Toc464103647)

[3.1.5.8.1.1.2 ExpertiseTags 21](#_Toc464103648)

[3.1.5.8.1.1.3 FollowedUrls 22](#_Toc464103649)

[3.1.5.8.1.1.4 InterestTags 22](#_Toc464103650)

[3.1.5.8.1.1.5 QueryInfoExists 22](#_Toc464103651)

[3.1.5.8.1.1.6 SuggestedTags 22](#_Toc464103652)

[3.1.5.8.1.2 ObjectPath Properties 22](#_Toc464103653)

[3.1.5.9 Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithGroup 22](#_Toc464103654)

[3.1.5.9.1 Properties 22](#_Toc464103655)

[3.1.5.9.1.1 Scalar Properties 22](#_Toc464103656)

[3.1.5.9.1.2 ObjectPath Properties 22](#_Toc464103657)

[3.1.5.9.2 Methods 22](#_Toc464103658)

[3.1.5.9.2.1 Scalar Methods 23](#_Toc464103659)

[3.1.5.9.2.1.1 GetListDataScript 23](#_Toc464103660)

[3.1.5.9.2.1.2 GetListHighlightsData 23](#_Toc464103661)

[3.1.5.9.2.1.3 GetListHighlightsDataScript 24](#_Toc464103662)

[3.1.5.9.2.2 ObjectPath Methods 24](#_Toc464103663)

[3.1.5.10 Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithMe 24](#_Toc464103664)

[3.1.5.10.1 Properties 24](#_Toc464103665)

[3.1.5.10.1.1 Scalar Properties 24](#_Toc464103666)

[3.1.5.10.1.2 ObjectPath Properties 24](#_Toc464103667)

[3.1.5.10.2 Methods 25](#_Toc464103668)

[3.1.5.10.2.1 Scalar Methods 25](#_Toc464103669)

[3.1.5.10.2.1.1 GetListDataScript 25](#_Toc464103670)

[3.1.5.10.2.1.2 GetListData 25](#_Toc464103671)

[3.1.5.10.2.1.3 GetFoldersSharedWithMeListDataScript 26](#_Toc464103672)

[3.1.5.10.2.2 ObjectPath Methods 26](#_Toc464103673)

[3.1.5.10.2.2.1 GetSharedWithMeDocs 26](#_Toc464103674)

[3.1.5.11 Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithPerson 27](#_Toc464103675)

[3.1.5.11.1 Properties 27](#_Toc464103676)

[3.1.5.11.1.1 Scalar Properties 27](#_Toc464103677)

[3.1.5.11.1.2 ObjectPath Properties 27](#_Toc464103678)

[3.1.5.11.2 Methods 27](#_Toc464103679)

[3.1.5.11.2.1 Scalar Methods 27](#_Toc464103680)

[3.1.5.11.2.1.1 GetListData 27](#_Toc464103681)

[3.1.5.11.2.1.2 GetListDataScript 28](#_Toc464103682)

[3.1.5.11.2.2 ObjectPath Methods 29](#_Toc464103683)

[3.1.5.11.2.2.1 GetSharedWithPersonDocs 29](#_Toc464103684)

[3.1.5.12 Microsoft.SharePoint.Portal.UserProfiles.MySiteDismissStatusText 29](#_Toc464103685)

[3.1.5.12.1 Properties 30](#_Toc464103686)

[3.1.5.12.1.1 Scalar Properties 30](#_Toc464103687)

[3.1.5.12.1.2 ObjectPath Properties 30](#_Toc464103688)

[3.1.5.12.2 Methods 30](#_Toc464103689)

[3.1.5.12.2.1 Scalar Methods 30](#_Toc464103690)

[3.1.5.12.2.1.1 DismissStatusText 30](#_Toc464103691)

[3.1.5.12.2.2 ObjectPath Methods 30](#_Toc464103692)

[3.1.5.13 Microsoft.SharePoint.Portal.UserProfiles.MySiteDocumentMoveUtility 30](#_Toc464103693)

[3.1.5.13.1 Properties 30](#_Toc464103694)

[3.1.5.13.1.1 Scalar Properties 30](#_Toc464103695)

[3.1.5.13.1.2 ObjectPath Properties 30](#_Toc464103696)

[3.1.5.13.2 Methods 30](#_Toc464103697)

[3.1.5.13.2.1 Scalar Methods 30](#_Toc464103698)

[3.1.5.13.2.1.1 FirstRunDocumentMove 30](#_Toc464103699)

[3.1.5.13.2.2 ObjectPath Methods 31](#_Toc464103700)

[3.1.5.14 Microsoft.SharePoint.Portal.UserProfiles.MySiteLinks 31](#_Toc464103701)

[3.1.5.14.1 Properties 31](#_Toc464103702)

[3.1.5.14.1.1 Scalar Properties 31](#_Toc464103703)

[3.1.5.14.1.1.1 AllDocumentsLink 31](#_Toc464103704)

[3.1.5.14.1.1.2 AllSitesLink 31](#_Toc464103705)

[3.1.5.14.1.1.3 AllDocumentsLinkHref 31](#_Toc464103706)

[3.1.5.14.1.1.4 AllDocumentsLinkTarget 31](#_Toc464103707)

[3.1.5.14.1.1.5 AllSitesLinkHref 32](#_Toc464103708)

[3.1.5.14.1.1.6 AllSitesLinkTarget 32](#_Toc464103709)

[3.1.5.14.1.2 ObjectPath Properties 32](#_Toc464103710)

[3.1.5.14.2 Methods 32](#_Toc464103711)

[3.1.5.14.2.1 Scalar Methods 32](#_Toc464103712)

[3.1.5.14.2.2 ObjectPath Methods 32](#_Toc464103713)

[3.1.5.14.2.2.1 GetMySiteLinks 32](#_Toc464103714)

[3.1.5.15 Microsoft.SharePoint.Portal.UserProfiles.PromotedSites 32](#_Toc464103715)

[3.1.5.15.1 Properties 32](#_Toc464103716)

[3.1.5.15.1.1 Scalar Properties 32](#_Toc464103717)

[3.1.5.15.1.2 ObjectPath Properties 33](#_Toc464103718)

[3.1.5.15.2 Methods 33](#_Toc464103719)

[3.1.5.15.2.1 Scalar Methods 33](#_Toc464103720)

[3.1.5.15.2.1.1 AddSiteLink 33](#_Toc464103721)

[3.1.5.15.2.1.2 DeleteSiteLink 33](#_Toc464103722)

[3.1.5.15.2.1.3 UpdateSiteLink 33](#_Toc464103723)

[3.1.5.15.2.1.4 GetPromotedLinksAsTiles 34](#_Toc464103724)

[3.1.5.15.2.2 ObjectPath Methods 34](#_Toc464103725)

[3.1.5.16 Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocument 34](#_Toc464103726)

[3.1.5.16.1 Properties 34](#_Toc464103727)

[3.1.5.16.1.1 Scalar Properties 34](#_Toc464103728)

[3.1.5.16.1.1.1 Authors 34](#_Toc464103729)

[3.1.5.16.1.1.2 ContentTypeId 34](#_Toc464103730)

[3.1.5.16.1.1.3 DocId 35](#_Toc464103731)

[3.1.5.16.1.1.4 Editors 35](#_Toc464103732)

[3.1.5.16.1.1.5 Extension 35](#_Toc464103733)

[3.1.5.16.1.1.6 FileLeafRef 35](#_Toc464103734)

[3.1.5.16.1.1.7 FileRef 35](#_Toc464103735)

[3.1.5.16.1.1.8 Id 35](#_Toc464103736)

[3.1.5.16.1.1.9 IsContainer 35](#_Toc464103737)

[3.1.5.16.1.1.10 IsMyDocument 35](#_Toc464103738)

[3.1.5.16.1.1.11 LinkingUrl 36](#_Toc464103739)

[3.1.5.16.1.1.12 ListId 36](#_Toc464103740)

[3.1.5.16.1.1.13 ListItemId 36](#_Toc464103741)

[3.1.5.16.1.1.14 Modified 36](#_Toc464103742)

[3.1.5.16.1.1.15 ParentLink 36](#_Toc464103743)

[3.1.5.16.1.1.16 ProgId 36](#_Toc464103744)

[3.1.5.16.1.1.17 ServerRedirectedEmbedUrl 36](#_Toc464103745)

[3.1.5.16.1.1.18 ServerRedirectedPreviewUrl 37](#_Toc464103746)

[3.1.5.16.1.1.19 ServerRedirectedUrl 37](#_Toc464103747)

[3.1.5.16.1.1.20 SharedWithInternal 37](#_Toc464103748)

[3.1.5.16.1.1.21 SiteId 37](#_Toc464103749)

[3.1.5.16.1.1.22 SiteUrl 37](#_Toc464103750)

[3.1.5.16.1.1.23 Title 37](#_Toc464103751)

[3.1.5.16.1.1.24 UniqueId 37](#_Toc464103752)

[3.1.5.16.1.1.25 UrlPath 37](#_Toc464103753)

[3.1.5.16.1.1.26 WebId 38](#_Toc464103754)

[3.1.5.16.1.2 ObjectPath Properties 38](#_Toc464103755)

[3.1.5.16.2 Methods 38](#_Toc464103756)

[3.1.5.16.2.1 Scalar Methods 38](#_Toc464103757)

[3.1.5.16.2.2 ObjectPath Methods 38](#_Toc464103758)

[3.1.5.17 Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocumentUser 38](#_Toc464103759)

[3.1.5.17.1 Properties 38](#_Toc464103760)

[3.1.5.17.1.1 Scalar Properties 38](#_Toc464103761)

[3.1.5.17.1.1.1 LoginName 38](#_Toc464103762)

[3.1.5.17.1.1.2 SipAddress 38](#_Toc464103763)

[3.1.5.17.1.1.3 Title 38](#_Toc464103764)

[3.1.5.17.1.2 ObjectPath Properties 39](#_Toc464103765)

[3.1.5.18 Microsoft.SharePoint.Portal.WebControls.RecentDocument 39](#_Toc464103766)

[3.1.5.18.1 Properties 39](#_Toc464103767)

[3.1.5.18.1.1 Scalar Properties 39](#_Toc464103768)

[3.1.5.18.1.1.1 Application 39](#_Toc464103769)

[3.1.5.18.1.1.2 FileName 39](#_Toc464103770)

[3.1.5.18.1.1.3 IconUrl 39](#_Toc464103771)

[3.1.5.18.1.1.4 Id 39](#_Toc464103772)

[3.1.5.18.1.1.5 IsPinned 39](#_Toc464103773)

[3.1.5.18.1.1.6 LinkLocation 40](#_Toc464103774)

[3.1.5.18.1.1.7 TimeStamp 40](#_Toc464103775)

[3.1.5.18.1.2 ObjectPath Properties 40](#_Toc464103776)

[3.1.5.18.2 Methods 40](#_Toc464103777)

[3.1.5.18.2.1 Scalar Methods 40](#_Toc464103778)

[3.1.5.18.2.2 ObjectPath Methods 40](#_Toc464103779)

[3.1.5.18.2.2.1 GetRecentDocs 40](#_Toc464103780)

[3.1.6 Timer Events 40](#_Toc464103781)

[3.1.7 Other Local Events 40](#_Toc464103782)

[4 Protocol Examples 41](#_Toc464103783)

[4.1 Report content of a list item as inappropriate 41](#_Toc464103784)

[5 Security 42](#_Toc464103785)

[5.1 Security Considerations for Implementers 42](#_Toc464103786)

[5.2 Index of Security Parameters 42](#_Toc464103787)

[6 Appendix A: Product Behavior 43](#_Toc464103788)

[7 Change Tracking 44](#_Toc464103789)

[8 Index 46](#_Toc464103790)

# Introduction

The Community Client-Side Object Model Protocol specifies types, methods, and properties that can be used to communicate with and manipulate aspects of a collaboration server.

Sections 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

## Glossary

This document uses the following terms:

**authentication**: The act of proving an identity to a server while providing key material that binds the identity to subsequent communications.

**CSOM array**: An ordered collection of values that can be used in an XML request or [**JSON**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) 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**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) 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**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) 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 GUID**: A GUID, as described in [[MS-DTYP]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-DTYP%5d.pdf#Section_cca2742956894a16b2b49325d93e4ba2), that can be used in an XML request or as a string in [**JSON**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) response text.

**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**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) 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**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) response text.

**current user**: The user who is authenticated during processing operations on a front-end web server or a back-end database server.

**item**: A unit of content that can be indexed and searched by a search application.

**JavaScript Object Notation (JSON)**: A text-based, data interchange format that is used to transmit structured data, typically in Asynchronous JavaScript + XML (AJAX) web applications, as described in [[RFC4627]](http://go.microsoft.com/fwlink/?LinkId=140879). The JSON format is based on the structure of ECMAScript (Jscript, JavaScript) objects.

**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.

**list item**: An individual entry within a SharePoint list. Each list item has a schema that maps to fields in the list that contains the item, depending on the content type of the item.

**list item identifier**: See item identifier.

**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.

**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.

**static CSOM method**: A class method that is accessed through the type name rather than an instance of the class.

**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]](http://go.microsoft.com/fwlink/?LinkId=90287).

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

**Web Part**: A reusable component that contains or generates web-based content such as XML, HTML, and scripting code. It has a standard property schema and displays that content in a cohesive unit on a webpage. See also Web Parts Page.

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as defined in [[RFC2119]](http://go.microsoft.com/fwlink/?LinkId=90317). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 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](http://msdn.microsoft.com/en-us/library/dn781092.aspx).

### Normative References

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

[MS-CSOMSPT] Microsoft Corporation, "[SharePoint Client-Side Object Model Protocol](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-CSOMSPT%5d.pdf#Section_8ebba3055af3477dbf4fad378a39eaba)".

[MS-CSOM] Microsoft Corporation, "[SharePoint Client Query Protocol](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-CSOM%5d.pdf#Section_fd645da2fa284daab3cd8f4e506df117)".

[MS-QSSWS] Microsoft Corporation, "[Search Query Shared Services Protocol](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-QSSWS%5d.pdf#Section_469ed6489453437a9801c3a542ff5765)".

[MS-SOCCSOM] Microsoft Corporation, "[SharePoint Social Client-Side Object Model Protocol](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-SOCCSOM%5d.pdf#Section_2eb95e66a9044489a9f873679b64e610)".

[MS-USPSWS] Microsoft Corporation, "[User Profile Service Web Service Protocol](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-USPSWS%5d.pdf#Section_5fb315a63c774fee872d6f0bc93dbd6c)".

[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](http://go.microsoft.com/fwlink/?LinkId=90317)

### Informative References

[MS-WSSTS] Microsoft Corporation, "[Windows SharePoint Services](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-WSSTS%5d.pdf#Section_52b95801d55f4d63a1c3b4e857c43b31)".

## Overview

This protocol defines types, methods, and properties that protocol clients use to communicate with and manipulate aspects of a community [**site**](#gt_8abdc986-5679-42d9-ad76-b11eb5a0daba) or a personal site on a protocol [**server**](#gt_434b0234-e970-4e8c-bdfa-e16a30d96703). The set of types, properties, and methods provide the ability for remote clients to perform moderation tasks on a community site such as reporting content as inappropriate and dismissing the complaints by users that content is inappropriate. The set of types, properties, and methods also provide the ability for remote clients to work with [**lists**](#gt_04ce231e-214c-44fd-b7ba-7cc19eee79bf) on a user’s personal site.

## Relationship to Other Protocols

This 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]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-CSOM%5d.pdf#Section_fd645da2fa284daab3cd8f4e506df117). This protocol specifies properties, methods, and types used to access a protocol server as described in [[MS-WSSTS]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-WSSTS%5d.pdf#Section_52b95801d55f4d63a1c3b4e857c43b31).

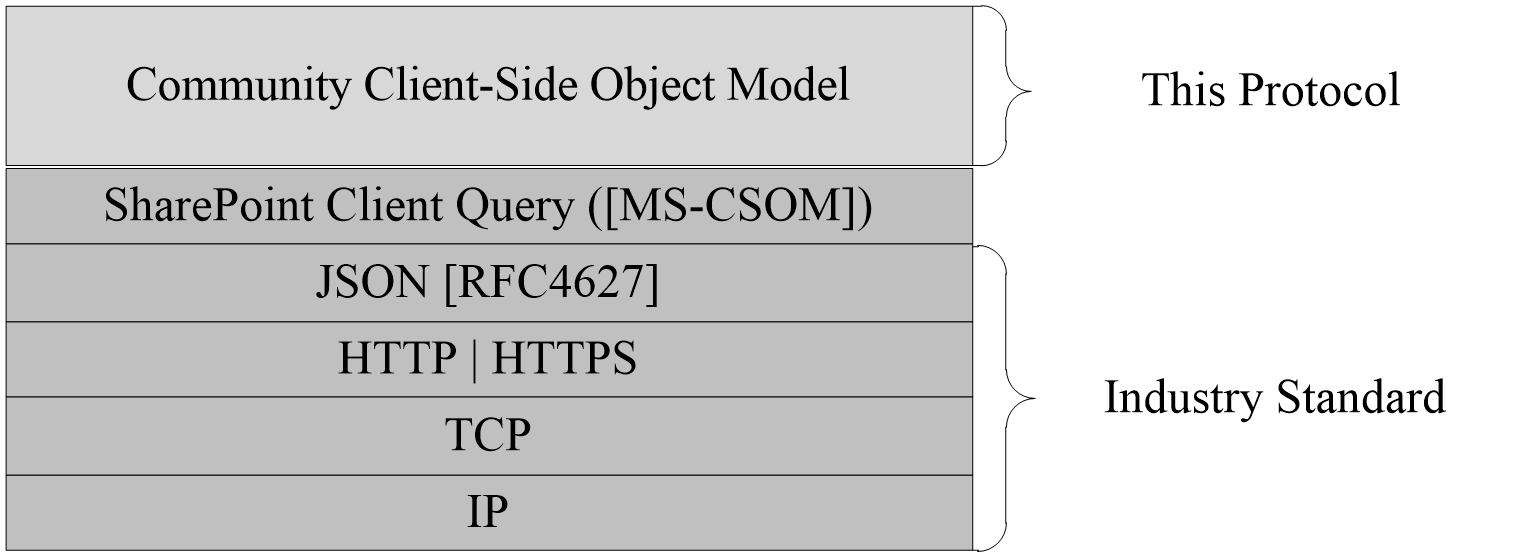


Figure 1: This protocol in relation to other protocols

## Prerequisites/Preconditions

This protocol operates against a site that is identified by a [**URL**](#gt_433a4fb7-ef84-46b0-ab65-905f5e3a80b1) that is known by protocol clients. This protocol assumes that [**authentication**](#gt_8e961bf0-95ba-4f58-9034-b67ccb27f317) has been performed by underlying protocols.

## Applicability Statement

This protocol can be used by a protocol client to manage video data on a protocol server. This protocol is optimized to enable a protocol client to specify the exact set of data and operations to perform in a single batch, making it a suitable solution when the connection speed between the protocol client and the protocol server is 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 protocol server in [[MS-WSSTS]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-WSSTS%5d.pdf#Section_52b95801d55f4d63a1c3b4e857c43b31).

## Versioning and Capability Negotiation

None.

## Vendor-Extensible Fields

None.

## Standards Assignments

None.

# Messages

## Transport

The SharePoint Client Query Protocol, as specified in [[MS-CSOM]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-CSOM%5d.pdf#Section_fd645da2fa284daab3cd8f4e506df117), is used for transport.

## Message Syntax

None.

# Protocol Details

## Server Details

### Abstract Data Model

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

This protocol provides the following parent types:

* **Microsoft.SharePoint.Portal.CommunityModeration**
* **Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithMe**

### Timers

None.

### Initialization

None.

### Higher-Layer Triggered Events

None.

### Message Processing Events and Sequencing Rules

#### Microsoft.SharePoint.Portal.CollaborationMailbox

**TypeId:** {C5F8E1B0-748E-4FA3-B799-C6FE07013774}

**ShortName:** Microsoft.SharePoint.Portal.CollaborationMailbox

Provides a method to get the current view for a site mailbox.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

GetCollabMailboxViewInfo

This method is a [**static CSOM method**](#gt_f32ebfd1-1c8c-4953-8313-04cc1b98c8d4).

**Return Type:** Microsoft.SharePoint.Portal.CollaborationMailboxResponse

Gets information to render the current view for a site mailbox for the current site.

**Parameters:** None

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.CollaborationMailboxResponse

**TypeId:** {53CC7746-0596-478C-AE12-D5B1ED5DA52E}

**ShortName:** Microsoft.SharePoint.Portal.CollaborationMailboxResponse

Contains information to render the current view for a site mailbox.

##### Properties

###### Scalar Properties

AlternateUrl

**Type:** [**CSOM String**](#gt_efb0d460-2579-4e28-a1b2-dd8d6b457bfe)

**Accessibility:** Read/Write

An alternate URL to display to the user. This can be used for any error to indicate that there is a location where the error state might be corrected.

If alternate URL is set it this indicates that the URL SHOULD be displayed to the user along with a message describing the error.

CorrelationId

**Type:** CSOM String

**Accessibility:** Read/Write

The correlation identifier for the **GetCollabMailboxViewInfo** call. If the status is an error then this SHOULD be displayed for use for diagnostic purposes.

ErrorCode

**Type:** [**CSOM Int32**](#gt_642ec6b3-3e56-423d-aadb-a523fa0038d0)

**Accessibility:** Read/Write

An error code that is more specific than the error categories returned in **Status**. If the **Status** is an error then this SHOULD be displayed for use for diagnostic purposes.

Status

**Type:** Microsoft.SharePoint.Portal.CollaborationMailboxStatus

**Accessibility:** Read/Write

Indicates the result of the call to **GetCollabMailboxInfo**. If the status is an error this indicates that an error message SHOULD be displayed to the user.

See details for each value of **Status** under **CollaborationMailboxStatus** (section [3.1.5.3](#Section_ed66c193bdc7499caf7353230a6c86c0)).

Url

**Type:** CSOM String

**Accessibility:** Read/Write

The URL to direct the user to. This URL MUST NOT be NULL if the call is successful. If there are any errors the URL MUST be NULL.

If a URL is not NULL this indicates that the user SHOULD be redirected to the location specified in the URL.

###### ObjectPath Properties

None.

#### Microsoft.SharePoint.Portal.CollaborationMailboxStatus

**ShortName:** Microsoft.SharePoint.Portal.CollaborationMailboxStatus

**Flag:** false

The set of possible outcomes for the **GetCollabMailboxViewInfo** method.

##### Field Values

###### ShowOwaFrame

**Value:** 0

Indicates that the Site Mailbox client SHOULD redirect the user to the site mailbox view page using the URL provided by the **CollaborationMailboxResponse**.

###### ShowProvisionFrame

**Value:** 1

Indicates that the Site Mailbox client SHOULD redirect the user to site mailbox provisioning page using the URL provided by the **CollaborationMailboxResponse**.

###### ErrorStart

**Value:** 49

Indicates the start of the values that are returned in the event of an error. This MUST not be returned from **GetCollabMailboxViewInfo**. It is used only to indicate the start of the error statuses.

###### NotSiteOwner

**Value:** 50

Indicates that the operation could not be finished as the user does not have sufficient permissions to the current site.

###### UnsupportedExchangeVersion

**Value:** 51

Indicates that the operation could not be finished as the email server was not a supported version.

###### UnsupportedExchangeTopology

**Value:** 52

Indicates that the operation could not be finished as the address sent to the email server was invalid, or the site server could not be authenticated by the email server.

###### AutoDiscoverFailed

**Value:** 53

Indicates that the operation could not be finished for some other reason when calling into the email server.

###### UnsupportedSharePointConfiguration

**Value:** 54

Indicates that the operation could not be finished because of an unsupported configuration on the site server.

###### EwsClientMissing

**Value:** 55

Indicates that the operation could not be finished because the Exchange Web Services Client API was not available on the site server.

###### WebUrlChanged

**Value:** 56

Indicates that the operation could not be finished because the current site (2) has been moved and MUST be repaired by an Administrator.

###### MailboxNotReady

**Value:** 57

Indicates that the operation could not be finished because the Site Mailbox was created but not yet ready.

###### ServiceError

**Value:** 98

Indicates that some unexpected error occurred on the SharePoint server.

###### ErrorEnd

**Value:** 99

Indicates the end of values that are returned in the event of an error. This MUST not be returned from **GetCollabMailboxViewInfo**. It is used only to indicate the end of the error statuses.

###### LoadShowOwaFrame

**Value:** 100

Indicates that a loading screen for site mailbox view page SHOULD be shown.

###### LoadShowProvisionFrame

**Value:** 101

Indicates that a loading screen for the site mailbox provisioning page SHOULD be shown.

###### DefaultStatus

**Value:** 1000

Not used.

###### MemberGroupsNotAvailable

**Value:** 58

Indicates that the operation could not be finished because the **AssociatedOwnerGroup** ([[MS-CSOMSPT]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-CSOMSPT%5d.pdf#Section_8ebba3055af3477dbf4fad378a39eaba) section 3.2.5.143.1.2.3) or **AssociatedMemberGroup** ([MS-CSOMSPT] section 3.2.5.143.1.2.2) on the current site are NULL.

#### Microsoft.SharePoint.Portal.CommunityModeration

**TypeId:** {2007E496-DB6F-4808-A8BF-9EB98EB6D0F3}

**ShortName:** Microsoft.SharePoint.Portal.CommunityModeration

The **Microsoft.SharePoint.Portal.CommunityModeration** object provides methods for moderating the content in a community site. All methods in this object are static.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

ApproveReportedItems

This method is a static CSOM method.

**Return Type:** None

Approves the content in the specified [**list items**](#gt_90e59c46-7c1b-473d-b949-f66e9ce029c3) and removes the reports made by users that the content is inappropriate.

**Exceptions:**

| Error code | Error type name | Condition |
| --- | --- | --- |
| -2147467261 | System.ArgumentNullException | The value passed for any of the required arguments is NULL. |
| -2147024891 | System.UnauthorizedAccessException | The [**current user**](#gt_f2fea6e5-8b0f-4cf0-8245-cc908b7fde76) has insufficient permissions to approve the content. |
| -1 | Microsoft.SharePoint.SPException | Any of the list items specified by the parameter *itemIDs* is not valid. |

**Parameters:**

*listID:* Identifies the list that contains the [**items**](#gt_91432874-9050-460a-b621-d77b75d31dee) that were reported as inappropriate.

Type: CSOM String

*itemIDs:* Identifies the list items that were reported as inappropriate.

Type: CSOM String

The string MUST be formed by concatenating the [**list item identifiers**](#gt_ff654866-58b1-42dd-bb8f-f422c11b85ae) using the comma character ",".

ReportAbuse

This method is a static CSOM method.

**Return Type:** CSOM Int32

Reports the content in the specified list item as inappropriate. If the operation is successful, the count of abuse reports in the specified list is returned.

**Exceptions:**

| Error code | Error type name | Condition |
| --- | --- | --- |
| -2147467261 | System.ArgumentNullException | The value passed for any of the required arguments is NULL. |
| -1 | Microsoft.SharePoint.SPException | The list item specified by the parameter *itemID* is not valid. |

**Parameters:**

*listID:* Identifies the list that contains the item that is reported as inappropriate.

Type: CSOM String

*itemID:* Specifies the list item identifier of the item that is reported as inappropriate.

Type: CSOM Int32

*comment:* Specifies the reason why the content in the item reported is inappropriate.

Type: CSOM String

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.MySiteRecommendations

**TypeId:** {25BF791E-BD66-4EC7-9232-727CB4820E1A}

**ShortName:** Microsoft.SharePoint.Portal.MySiteRecommendations

Provides a method to get site and document recommendations for the current user, and methods to follow or stop following a particular item.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

FetchCacheBlob

This method is a static CSOM method.

**Return Type:** Microsoft.SharePoint.Portal.Project.MyRecsCacheBlob

Gets information to render site or document recommendations for the current user.

**Parameters:**

*category:* Specifies the type of recommendations to return.

Type: Microsoft.SharePoint.Portal.Project.MyRecsCategory

*personalSiteUri:* Specifies the location of the personal site of the current user on the farm.

Type: CSOM String

*forceRefresh:* Specifies whether to refresh the set of recommendations even if there is already a set cached for the user and category in question.

Type: [**CSOM Boolean**](#gt_6c8e3450-bc4f-4a6f-98fb-253ad95fde0c)

FollowItem

This method is a static CSOM method.

**Return Type:** CSOM Boolean

The **FollowItem** method adds the specified document or site to the list of followed content (as described in [[MS-SOCCSOM]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-SOCCSOM%5d.pdf#Section_2eb95e66a9044489a9f873679b64e610) section 3.1.5.74.2.1.1). **FollowItem** MUST return TRUE if successful or FALSE if not successful.

**Parameters:**

*uri:* URL that identifies the item to follow.

Type: CSOM String

*personalSiteUri:* Specifies the location of the personal site of the current user on the farm.

Type: CSOM String

*category:* Specifies the type of the item to follow.

Type: Microsoft.SharePoint.Portal.Project.MyRecsCategory

StopFollowingItem

This method is a static CSOM method.

**Return Type:** CSOM Boolean

The **StopFollowingItem** method removes the specified document or site from list of followed content (as described in [[MS-SOCCSOM]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-SOCCSOM%5d.pdf#Section_2eb95e66a9044489a9f873679b64e610) section 3.1.5.74.2.1.6). **StopFollowingItem** MUST return TRUE if successful or FALSE if not successful.

**Parameters:**

*uri:* URL that identifies the item to stop following.

Type: CSOM String

*personalSiteUri:* Specifies the location of the personal site of the current user on the farm.

Type: CSOM String

*category:* Specifies the type of the item to stop following.

Type: Microsoft.SharePoint.Portal.Project.MyRecsCategory

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.Project.MyRecsCacheBlob

**TypeId:** {29F2BE9D-493F-433F-9F2E-ADBCB814FD36}

**ShortName:** Microsoft.SharePoint.Portal.Project.MyRecsCacheBlob

Contains information to render site or document recommendations for the current user.

##### Properties

###### Scalar Properties

DateCached

**Type:** [**CSOM DateTime**](#gt_9fb669ce-6335-4388-be80-9dc0fe66ad19)

**Accessibility:** Read/Write

Contains the date that this cache blob was created.

FillInQuery

**Type:** CSOM String

**Accessibility:** Read/Write

Contains the query used to generate recommendations for the user if the **Query** (section [3.1.5.6.1.1.4](#Section_2f8eccb3a968450e84af66c708372770)) does not return any results.

FillInSortBy

**Type:** CSOM String

**Accessibility:** Read/Write

Contains the name of the field used to sort the results returned from the fill-in query.

If **FillInSortBy** is NULL then the Default Sort order was used.

Query

**Type:** CSOM String

**Accessibility:** Read/Write

Contains the **Query** used to generate recommendations for the user. If there are search results for this query, the **FillInQuery** (section [3.1.5.6.1.1.2](#Section_b0468206fddd4508ae62946090420680)) will not be used.

QueryInfo

**Type:** Microsoft.SharePoint.Portal.Project.MyRecsQueryInfo

**Accessibility:** Read/Write

Contains information about the current user’s profile, and the type of recommendations being requested for that user.

Result

**Type:** CSOM String

**Accessibility:** Read/Write

Contains recommendations for the current user. Recommendations are a [**JSON**](#gt_7c4f81c3-2e19-4c95-ab8d-45721da01d26) serialized string containing a **Microsoft.SharePoint.Client.Search.ResultTableCollection** object. The format of the **ResultTableCollection** object is specified in [[MS-QSSWS]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-QSSWS%5d.pdf#Section_469ed6489453437a9801c3a542ff5765) section 3.1.4.1.3.1.

SortBy

**Type:** CSOM String

**Accessibility:** Read/Write

Contains the name of the field used to sort results returned from the main query will be sorted. If **SortBy** is NULL, then the Default Sort order was used.

###### ObjectPath Properties

None.

#### Microsoft.SharePoint.Portal.Project.MyRecsCategory

**ShortName:** Microsoft.SharePoint.Portal.Project.MyRecsCategory

**Flag:** false

Indicates the type of an item or items.

##### Field Values

###### Document

**Value:** 0

Indicates that an item or items is of type Document.

###### Site

**Value:** 1

Indicates that an item or items is of type Site.

#### Microsoft.SharePoint.Portal.Project.MyRecsQueryInfo

**TypeId:** {51ED498A-B66B-490D-BD39-2C9413261D4A}

**ShortName:** Microsoft.SharePoint.Portal.Project.MyRecsQueryInfo

Contains information about the current user’s profile, and the type of recommendations being requested for that user, for use in rendering the recommendations.

##### Properties

###### Scalar Properties

Category

**Type:** Microsoft.SharePoint.Portal.Project.MyRecsCategory

**Accessibility:** Read/Write

Contains the type of recommendations being requested by the current user.

ExpertiseTags

**Type:** [**CSOM array**](#gt_7189e407-9d78-4368-997d-d58a11d43d40) of CSOM String

**Accessibility:** Read/Write

Contains the value of the **SPS-Responsibilty** property of the current user’s **UserProfile** (as returned by **GetUserProfileByName** described in [[MS-USPSWS]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-USPSWS%5d.pdf#Section_5fb315a63c774fee872d6f0bc93dbd6c) section 3.1.4.24.2.1).

FollowedUrls

**Type:** CSOM array of CSOM String

**Accessibility:** Read/Write

Returns URLs of the current user’s followed items (as returned by **GetItems** described in [[MS-SOCCSOM]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-SOCCSOM%5d.pdf#Section_2eb95e66a9044489a9f873679b64e610) section 3.1.5.82.2.1.9)

InterestTags

**Type:** CSOM array of CSOM String

**Accessibility:** Read/Write

Contains the value of the **SPS-Interests** property of the current users **UserProfile** (as returned by **GetUserProfileByName** described in [[MS-USPSWS]](file:///E:\Target\Office\Published\Books\MS-COMMCSOM\%5bMS-USPSWS%5d.pdf#Section_5fb315a63c774fee872d6f0bc93dbd6c) section 3.1.4.24.2.1).

QueryInfoExists

**Type:** CSOM Boolean

**Accessibility:** Read/Write

MUST be TRUE if and only if **FollowedUrls**, **ExpertiseTags**, **SuggestedTags**, and **InterestTags** are all empty lists or NULL.

SuggestedTags

**Type:** CSOM array of CSOM String

**Accessibility:** Read/Write

Contains the suggested tags from the current user’s profile.

###### ObjectPath Properties

None.

#### Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithGroup

**TypeId:** {FD1C076C-AD38-4EDE-BA3E-C1604793F5E6}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithGroup

Provides methods for working with a list that shares documents with a SharePoint Group on the user's personal site.[<1>](#Appendix_A_1" \o "Product behavior note 1) All methods in this object are static.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

GetListDataScript

This method is a static CSOM method.

**Return Type:** CSOM String

Returns a JavaScript string that can be executed on a page containing a list Web Part which shares the document with a group to reload the data displayed in the Web Part.

**Parameters:**

*webPartQualifier:* Specifies the Web Part qualifier string of the Web Part to be refreshed.

Type: CSOM String

*sortFieldName:* Specifies the view field on which to sort the data in the Web Part.

Type: CSOM String

*isAscendingSort:* Specifies whether the data in the Web Part will be sorted in ascending order.

Type: CSOM Boolean

*offset:* Specifies the number of results to skip before displaying the data in the Web Part. For example, specifying an offset of 0 will display the items from the beginning, while specifying an offset of 10 will display the items beginning with the 11th result.

Type: CSOM Int32

The offset parameter can be used in coordination with the rowLimit parameter for paging through the results displayed in the Web Part.

*rowLimit:* Specifies the maximum number of items to be rendered in the Web Part at one time.

Type: CSOM Int32

The rowlimit parameter can be used in coordination with the offset parameter for paging through the results displayed in the Web Part.

*groupId:* Specifies the identifier of the group the documents are shared with.

Type: [**CSOM GUID**](#gt_ad99e890-6237-4e39-b6c5-d6ba9d6426fa)

*includeCacheData:* This parameter has been deprecated.

Type: CSOM Boolean

*includeRSIData:* This parameter has been deprecated.

Type: CSOM Boolean

GetListHighlightsData

This method is a static CSOM method.

**Return Type:** CSOM String

This method has been deprecated.

**Parameters:**

*offset:* This parameter has been deprecated.

Type: CSOM Int32

*rowLimit:* This parameter has been deprecated.

Type: CSOM Int32

GetListHighlightsDataScript

This method is a static CSOM method.

**Return Type:** CSOM String

This method has been deprecated.

**Parameters:**

*webPartQualifier:* This parameter has been deprecated.

Type: CSOM String

*sortFieldName:* This parameter has been deprecated.

Type: CSOM String

*isAscendingSort:* This parameter has been deprecated.

Type: CSOM Boolean

*offset:* This parameter has been deprecated.

Type: CSOM Int32

*rowLimit:* This parameter has been deprecated.

Type: CSOM Int32

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithMe

**TypeId:** {1118EF92-5F52-4DE7-853F-EDF3F1229990}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithMe

Provides methods for working with a list that shares documents with the current user on the user's personal site.[<2>](#Appendix_A_2" \o "Product behavior note 2) All methods in this object are static.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

GetListDataScript

This method is a static CSOM method.

**Return Type:** CSOM String

Returns a JavaScript string that can be executed on a page containing a list [**Web Part**](#gt_6c241eba-98bb-4a9c-b1fc-da406c9cc1be) which is in a shared document with the current user to reload the data displayed in the Web Part.[<3>](#Appendix_A_3" \o "Product behavior note 3)

**Parameters:**

*webPartQualifier:* Specifies the Web Part qualifier string of the Web Part to be refreshed.

Type: CSOM String

*sortFieldName:* Specifies the [**view**](#gt_3f793b0b-9509-4df0-89f9-92f07954beb8) field on which to sort the data in the Web Part.

Type: CSOM String

*isAscendingSort:* Specifies whether the data in the Web Part will be sorted in ascending order.

Type: CSOM Boolean

*offset:* Specifies the number of results to skip before displaying the data in the Web Part. For example, specifying an offset of 0 will display the items from the beginning, while specifying an offset of 10 will display the items beginning with the 11th result.

Type: CSOM Int32

The *offset* parameter can be used in coordination with the *rowLimit* parameter for paging through the results displayed in the Web Part.

*rowLimit:* Specifies the maximum number of items to be rendered in the Web Part at one time.

Type: CSOM Int32

The *rowlimit* parameter can be used in coordination with the *offset* parameter for paging through the results displayed in the Web Part.

*includeCacheData:* This parameter has been deprecated.

Type: CSOM Boolean

*includeRSIData:* This parameter has been deprecated.

Type: CSOM Boolean

*searchOffset:* This parameter has been deprecated.

Type: CSOM Int32

GetListData

This method is a static CSOM method.

**Return Type:** CSOM String

Gets the JSON string containing the row data for a list that shares documents with the current user on the user's personal site.[<4>](#Appendix_A_4" \o "Product behavior note 4)

**Parameters:**

*sortFieldName:* Specifies the view field on which to sort the data in the Web Part.

Type: CSOM String

*isAscendingSort:* Specifies whether the data in the Web Part will be sorted in ascending order.

Type: CSOM Boolean

*offset:* Specifies the number of results to skip before displaying the data in the Web Part.

Type: CSOM Int32

*rowLimit:* Specifies the maximum number of items to be rendered in the Web Part at one time.

Type: CSOM Int32

GetFoldersSharedWithMeListDataScript

This method is a static CSOM method.

**Return Type:** CSOM String

Returns a JavaScript string that can be executed on a page containing a list Web Part which shares the folders with the current user to reload the data displayed in the Web Part.

**Parameters:**

*webPartQualifier:* Specifies the Web Part qualifier string of the Web Part to be refreshed.

Type: CSOM String

*sortFieldName:* Specifies the view field on which to sort the data in the Web Part.

Type: CSOM String

*isAscendingSort:* Specifies whether the data in the Web Part will be sorted in ascending order.

Type: CSOM Boolean

*offset:* Specifies the number of results to skip before displaying the data in the Web Part.

Type: CSOM Int32

*rowLimit:* Specifies the maximum number of items to be rendered in the Web Part at one time.

Type: CSOM Int32

*renderEmptyList:* This parameter has been deprecated.

Type: CSOM Boolean

###### ObjectPath Methods

GetSharedWithMeDocs

This method is a static CSOM method.

**Return Type:** CSOM array of Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocument

Returns a collection of SharedWithMeDocument objects representing the list of documents that are shared with the current user.

**Parameters:**

*context:* The request user context in which this method is called.

Type: Microsoft.SharePoint.Client.RequestUserContext

*offset:* Specifies the number of results to skip when retrieving the data. For example, specifying an offset of 0 will return the items from the beginning, while specifying an offset of 10 will return the items beginning with the 11th result.

Type: CSOM Int32

*rowLimit:* Specifies the maximum number of items to be returned at one time.

Type: CSOM Int32

*sortFieldName:* Specifies the view field on which to sort the data.

Type: CSOM String

*isAscending:* Specifies whether the data returned will be sorted in ascending order.

Type: CSOM Boolean

#### Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithPerson

**TypeId:** {38829DE8-24F3-4034-8A05-F4BE3F29D91C}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithPerson

Provides methods for working with a list that displays shared documents between a person and the current user on the user's personal site. All methods in this object are static.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

GetListData

This method is a static CSOM method.

**Return Type:** CSOM String

Returns a JSON string that contains the data about shared documents between a person and current user.

**Parameters:**

*sortFieldName:* Specifies the view field on which to sort the data.

Type: CSOM String

*isAscendingSort:* Specifies whether the data will be sorted in ascending

Type: CSOM Boolean

*offset:* Specifies the number of results to skip when retrieving the data. For example, specifying an offset of 0 will return the items from the beginning, while specifying an offset of 10 will return the items beginning with the 11th result.

Type: CSOM Int32

*rowLimit:* Specifies the maximum number of items to be returned at one time.

Type: CSOM Int32

*person:* Specifies the user name of the person who has shared documents with the current user.

Type: CSOM String

*documentLibrary:* Specifies the path of the document library the shared documents are in.

Type: CSOM String

*onlyDocuments:* Specifies whether to only return documents, or documents and folders.

Type: CSOM Boolean

GetListDataScript

This method is a static CSOM method.

**Return Type:** CSOM String

Returns a JavaScript string that can be executed on a page containing a list Web Part which displays the shared documents between a person and the current user.

**Parameters:**

*webPartQualifier:* Specifies the Web Part qualifier string of the Web Part to be refreshed.

Type: CSOM String

*sortFieldName:* Specifies the view field on which to sort the data in the Web Part.

Type: CSOM String

*isAscendingSort:* Specifies whether the data in the Web Part will be sorted in ascending order.

Type: CSOM Boolean

*offset:* Specifies the number of results to skip before displaying the data in the Web Part. For example, specifying an offset of 0 will display the items from the beginning, while specifying an offset of 10 will display the items beginning with the 11th result.

Type: CSOM Int32

The offset parameter can be used in coordination with the rowLimit parameter for paging through the results displayed in the Web Part.

*rowLimit:* Specifies the maximum number of items to be rendered in the Web Part at one time.

Type: CSOM Int32

The rowlimit parameter can be used in coordination with the offset parameter for paging through the results displayed in the Web Part.

*person:* Specifies the user name of the person who has shared documents with the current user.

Type: CSOM String

*documentLibrary:* Specifies the path of the document library the shared documents are in.

Type: CSOM String

*onlyDocuments:* Specifies whether to only return documents, or documents and folders.

Type: CSOM Boolean

###### ObjectPath Methods

GetSharedWithPersonDocs

This method is a static CSOM method.

**Return Type:** CSOM array of Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocument

Returns a collection of SharedWithMeDocument objects representing the list of documents that are shared in common with the current user and owner of the current site.

**Parameters:**

*context:* The current Request User Context

Type: Microsoft.SharePoint.Client.RequestUserContext

*isAscendingSort:* Specifies whether the data will be sorted in ascending order.

Type: CSOM Boolean

*offset:* Specifies the number of results to skip.

Type: CSOM Int32

*rowLimit:* Specifies the maximum number of items to return.

Type: CSOM Int32

*sortFieldName:* Specifies the view field on which to sort the items.

Type: CSOM String

#### Microsoft.SharePoint.Portal.UserProfiles.MySiteDismissStatusText

**TypeId:** {00A20542-1D5C-4BC5-BDD4-D64D75144ADA}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.MySiteDismissStatusText

Provides methods to dismiss status text for the personal online document library page.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

DismissStatusText

This method is a static CSOM method.

**Return Type:** None

Dismiss the status text for the personal online document library page.

**Parameters:** None

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.UserProfiles.MySiteDocumentMoveUtility

**TypeId:** {F0BE8AB9-1B53-41FA-84B3-BC6145595FCB}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.MySiteDocumentMoveUtility

Provides methods to move documents for the personal online document library .

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

FirstRunDocumentMove

This method is a static CSOM method.

**Return Type:** CSOM Boolean

This method tries to move all the existing document libraries from a user’s personal site into the personal online document library.[<5>](#Appendix_A_5" \o "Product behavior note 5)

**Parameters:**

*web:* A site to move documents.

Type: Microsoft.SharePoint.Client.Web

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.UserProfiles.MySiteLinks

**TypeId:** {ABE75EDC-BF10-4A06-B14F-6EF77ED9B9C2}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.MySiteLinks

The **MySiteLinks** object provides links for a user’s personal site.

##### Properties

###### Scalar Properties

AllDocumentsLink

**Type:** CSOM String

**Accessibility:** Read Only

This property value is the URL of the user’s document library on their personal site. This property value is null if the user does not have a personal site or the user does not have a document library in their personal site.

AllSitesLink

**Type:** CSOM String

**Accessibility:** Read Only

This property value is the URL of the user’s followed sites view on their personal site. This property value is null if the user does not have a personal site or social features are not enabled on their personal site.

AllDocumentsLinkHref

**Type:** CSOM String

**Accessibility:** Read Only

Returns an MDS-compatible "All Documents" href value.

AllDocumentsLinkTarget

**Type:** CSOM String

**Accessibility:** Read Only

This property value is the value that will be used to set the target HTML attribute of the anchor HTML element of the "All Documents" link. This property value is null if the user does not have a personal site or social features are not enabled on their personal site.

AllSitesLinkHref

**Type:** CSOM String

**Accessibility:** Read Only

Returns an MDS-compatible "All Sites" href value.

AllSitesLinkTarget

**Type:** CSOM String

**Accessibility:** Read Only

This property value is the value that will be used to set the target HTML attribute of the anchor HTML element of the "All Sites" link. This property value is null if the user does not have a personal site or social features are not enabled on their personal site.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

None.

###### ObjectPath Methods

GetMySiteLinks

This method is a static CSOM method.

**Return Type:** Microsoft.SharePoint.Portal.UserProfiles.MySiteLinks

The **GetMySiteLinks** function retrieves a **MySiteLinks** (section [3.1.5.14](#Section_98aedeed7c684a6eb18e400d933b062a)) object for the current user.

**Parameters:** None

#### Microsoft.SharePoint.Portal.UserProfiles.PromotedSites

**TypeId:** {3704CCFC-2B1B-4B46-B681-12C72E4A635C}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.PromotedSites

The **PromotedSites** object provides access to a collection of site links that are visible to all users.

##### Properties

###### Scalar Properties

None.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

AddSiteLink

This method is a static CSOM method.

**Return Type:** None

Creates a new site link in the collection of promoted sites.

**Parameters:**

*url:* Specifies the URL of the promoted site.

Type: CSOM String

*title:* Specifies a string with the title of the promoted site.

Type: CSOM String

*description:* Specifies the description of the promoted site.

Type: CSOM String

*imageUrl:* Specifies a URL of an image representing the promoted site.

Type: CSOM String

DeleteSiteLink

This method is a static CSOM method.

**Return Type:** None

Removes the promoted site with the specified identifier from the collection.

**Parameters:**

*itemID:* Specifies a number that represents the identifier of the site to remove.

Type: CSOM Int32

UpdateSiteLink

This method is a static CSOM method.

**Return Type:** None

Updates the properties of the specified promoted site link.

**Parameters:**

*itemID:* Specifies a number that represents the identifier of the site to update.

Type: CSOM Int32

*url:* Specifies the updated URL for the promoted site link.

Type: CSOM String

*title:* Specifies a string containing the updated title of the promoted site link.

Type: CSOM String

*description:* Specifies a string containing the updated description of the promoted site link.

Type: CSOM String

*imageUrl:* Specifies the updated URL of an image representing the promoted site link.

Type: CSOM String

GetPromotedLinksAsTiles

This method is a static CSOM method.

**Return Type:** CSOM array of Microsoft.SharePoint.Client.WebParts.TileData

Retrieves the collection of promoted site links.

**Parameters:** None

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocument

**TypeId:** {A45DAE1F-8138-4B06-95BF-9F3395ECA469}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocument

Represents a shared document.

##### Properties

###### Scalar Properties

Authors

**Type:** CSOM array of Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocumentUser

**Accessibility:** Read Only

Specifies a list of users that authored the document.

ContentTypeId

**Type:** Microsoft.SharePoint.Client.ContentTypeId

**Accessibility:** Read Only

Specifies the identifier of the content type of the document.

DocId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the document identifier.

Editors

**Type:** CSOM array of Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocumentUser

**Accessibility:** Read Only

Specifies a list of users that can edit the document.

Extension

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the file extension of the document.

FileLeafRef

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the name of the document.

FileRef

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the file name and path of the document.

Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the unique identifier of the document.

IsContainer

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the document is a folder.

IsMyDocument

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the document is the current user’s own document.

LinkingUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the linking URL to the document.

ListId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the identifier of the list in which the document belongs.

ListItemId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the list item identifier for the document.

Modified

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the date and time when the document was last modified.

ParentLink

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the link to the container of the document.

ProgId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the program identifier of the document.

ServerRedirectedEmbedUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server redirected URL of the document for embedded display.

ServerRedirectedPreviewUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server redirected URL of the document for preview display.

ServerRedirectedUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the server redirected URL of the document for browser display.

SharedWithInternal

**Type:** CSOM array of Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocumentUser

**Accessibility:** Read Only

The list of users this document is shared with.

SiteId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the identifier of the site collection where the document is located.

SiteUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URL of the site collection where the document is located.

Title

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the title of the document.

UniqueId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the unique identifier of the document.

UrlPath

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URL of the document.

WebId

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the identifier of the site where the document is located.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

None.

###### ObjectPath Methods

None.

#### Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocumentUser

**TypeId:** {481BEE8F-8AB5-4E40-BE53-1B091AE6A45F}

**ShortName:** Microsoft.SharePoint.Portal.UserProfiles.SharedWithMeDocumentUser

Represents a user of a document that is shared with the current user.

##### Properties

###### Scalar Properties

LoginName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the login name of the user.

SipAddress

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the sip address of the user.

Title

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the title of the user.

###### ObjectPath Properties

None.

#### Microsoft.SharePoint.Portal.WebControls.RecentDocument

**TypeId:** {B9A996E5-9ED0-409E-9227-F714EFF8A334}

**ShortName:** Microsoft.SharePoint.Portal.WebControls.RecentDocument

Stores the recent document for the current user.

##### Properties

###### Scalar Properties

Application

**Type:** CSOM String

**Accessibility:** Read Only

A string that represents the application of the document.

FileName

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the document title.

IconUrl

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the icon URL for the document.

Id

**Type:** CSOM Int32

**Accessibility:** Read Only

Specifies the document identifier.

IsPinned

**Type:** CSOM Boolean

**Accessibility:** Read Only

Specifies whether the document is pinned.

LinkLocation

**Type:** CSOM String

**Accessibility:** Read Only

Specifies the URL location of the navigation that happens on click.

TimeStamp

**Type:** CSOM DateTime

**Accessibility:** Read Only

Specifies the time stamp for the most recent use of the document.

###### ObjectPath Properties

None.

##### Methods

###### Scalar Methods

None.

###### ObjectPath Methods

GetRecentDocs

This method is a static CSOM method.

**Return Type:** CSOM array of Microsoft.SharePoint.Portal.WebControls.RecentDocument

Returns a list of recent documents for the current user.

**Parameters:**

*context:* The current request user context.

Type: Microsoft.SharePoint.Client.RequestUserContext

### Timer Events

None.

### Other Local Events

None.

# Protocol Examples

## Report content of a list item as inappropriate

In this example, the content of a list item is reported as inappropriate using the following steps.

1. Get the context from the protocol server that corresponds to the Uniform Resource Locator (URL)where the service is called.
2. Report the list item as inappropriate by executing the **ReportAbuse** operation and passing the list identifier, list item identifier, and the comment.

**Request:**

1. <Request xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009" SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0" ApplicationName="Javascript Library">
2. <Actions>
3. <StaticMethod TypeId="{2007e496-db6f-4808-a8bf-9eb98eb6d0f3}" Name="ReportAbuse" Id="16">
4. <Parameters>
5. <Parameter Type="String">{7FF12705-2AF5-47F3-B4A4-CF1B08001A10}</Parameter>
6. <Parameter Type="Int32">1</Parameter>
7. <Parameter Type="String">comments</Parameter>
8. </Parameters>
9. </StaticMethod>
10. </Actions>
11. <ObjectPaths />
12. </Request>

**Response:**

1. [
2. {
3. "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3424.3002","ErrorInfo":null
4. },16,1
5. ]

# Security

## Security Considerations for Implementers

None.

## Index of Security Parameters

None.

# 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

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 3.1.5.9](#Appendix_A_Target_1): This List is named "Documents Shared With Me" in SharePoint Server 2013.

[<2> Section 3.1.5.10](#Appendix_A_Target_2): This List is named "Documents Shared With Me" in SharePoint Server 2013.

[<3> Section 3.1.5.10.2.1.1](#Appendix_A_Target_3): This list is named "Documents Shared With Me" in SharePoint Server 2013.

[<4> Section 3.1.5.10.2.1.2](#Appendix_A_Target_4): This list is named "Documents Shared With Me" in SharePoint Server 2013.

[<5> Section 3.1.5.13.2.1.1](#Appendix_A_Target_5): For this operation to work, Microsoft OneDrive for Business has to be in its default initial state without any added folders or documents, and the default "Shared with Everyone" folder MUST be present.

# 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](mailto:dochelp@microsoft.com).

| Section | Tracking number (if applicable) and description | Major change (Y or N) | Change type |
| --- | --- | --- | --- |
| [3.1.5.3.1.1](#Section_f8db9a22055d495aa0ad14e742f694b2) ShowOwaFrame | Updated description to include prescriptive language. | Y | Content update. |
| [3.1.5.3.1.2](#Section_2c23a5f512df441f80872a6a160be290) ShowProvisionFrame | Updated description to include prescriptive language. | Y | Content update. |
| [3.1.5.3.1.10](#Section_5d3059b714664b3996b329d27705de98) WebUrlChanged | Updated description to include prescriptive language. | Y | Content update. |
| [3.1.5.10.2.1.2](#Section_47512b0c9e704c1aac23970dbe76a083) GetListData | Added new section for this method. | Y | New content added. |
| [3.1.5.10.2.1.3](#Section_399492fad8a84059852856a2ed01f070) GetFoldersSharedWithMeListDataScript | Added new section for this method. | Y | New content added. |
| [3.1.5.13.2.1.1](#Section_9d24bc5b11b34ef6abe438394d864c55) FirstRunDocumentMove | Added description for the web parameter. | Y | Content update. |
| [3.1.5.14.1.1.3](#Section_4b99b316f0d6433a976bf4efc3b59c9c) AllDocumentsLinkHref | Added new section for this property. | Y | New content added. |
| [3.1.5.14.1.1.5](#Section_8e05315c88fa46aabb81ace8766d78f5) AllSitesLinkHref | Added new section for this property. | Y | New content added. |
| [3.1.5.18](#Section_03a91fb66f1540d6b83d7c6639b9a185) Microsoft.SharePoint.Portal.WebControls.RecentDocument | Added new section for this type. | Y | New content added. |

# Index

A

Abstract data model

[server](#section_0f7eb97b45ad4ddb8d8afb757c1bd054) 12

[Applicability](#section_ca66d8e526be40899a0b4da9dbb91134) 10

C

[Capability negotiation](#section_a9c770a9a40b4168a013858fe8dcfd5a) 10

[Change tracking](#section_4ab36dc5e0b94012aec6921a5212b200) 44

D

Data model - abstract

[server](#section_0f7eb97b45ad4ddb8d8afb757c1bd054) 12

E

Examples

[Report the content of a list item as inappropriate](#section_a35b7d6332514e008792316c0b7a4ce0) 41

F

[Fields - vendor-extensible](#section_997af918675a4b51bb72552ad53448b9) 10

G

[Glossary](#section_f13ba355fd2b4a02944d0cacb20a35fa) 8

H

Higher-layer triggered events

[server](#section_61cfecfa99cf40f0888eff5049cdbd0e) 12

I

[Implementer - security considerations](#section_6c4b22102cac44dd8a5fc9f87570d280) 42

[Index of security parameters](#section_70c72c2ecd34426e99a9e1533ac7dcab) 42

[Informative references](#section_906514fa183f466d8709d9901c508fa8) 9

Initialization

[server](#section_5073e42e2d664f08bd7a978f9a45d797) 12

[Introduction](#section_7432dbfeb1b14ea18f55b49f0b778e73) 8

M

[Message processing – server](#section_99d3536b1b044990bcd6fe249a381efd) 12

Messages

[transport](#section_acb8fc76e1894b0fbddf73fe8bcaedfc) 11

N

[Normative references](#section_d0c8aaf94c584842a531a886ca25be66) 9

O

Other local events

[server](#section_ed45f8dd08004dd19cb4a3863789814d) 40

[Overview (synopsis)](#section_598f40eca55c436f8de7ff22cb8c6672) 9

P

[Parameters - security index](#section_70c72c2ecd34426e99a9e1533ac7dcab) 42

[Preconditions](#section_68c1bb47cf154d11ba03167288176603) 10

[Prerequisites](#section_68c1bb47cf154d11ba03167288176603) 10

[Product behavior](#section_6e9ecc796e724f7699a1ea603dca79c7) 43

R

[References](#section_05cf22c0d5c04d519b567d5468679102) 9

[informative](#section_906514fa183f466d8709d9901c508fa8) 9

[normative](#section_d0c8aaf94c584842a531a886ca25be66) 9

[Relationship to other protocols](#section_d00f1878beab4db6b1fda0f0d150d92f) 10

[Report the content of a list item as inappropriate example](#section_a35b7d6332514e008792316c0b7a4ce0) 41

S

Security

[implementer considerations](#section_6c4b22102cac44dd8a5fc9f87570d280) 42

[parameter index](#section_70c72c2ecd34426e99a9e1533ac7dcab) 42

[Sequencing rules – server](#section_99d3536b1b044990bcd6fe249a381efd) 12

Server

[abstract data model](#section_0f7eb97b45ad4ddb8d8afb757c1bd054) 12

[higher-layer triggered events](#section_61cfecfa99cf40f0888eff5049cdbd0e) 12

[initialization](#section_5073e42e2d664f08bd7a978f9a45d797) 12

[other local events](#section_ed45f8dd08004dd19cb4a3863789814d) 40

[timer events](#section_97e375be90ce43319be4c423b7136a60) 40

[timers](#section_cd57690e2cf44b1dad4ee7c1fb223353) 12

[Server – message processing](#section_99d3536b1b044990bcd6fe249a381efd) 12

[Server – sequencing rules](#section_99d3536b1b044990bcd6fe249a381efd) 12

[Standards assignments](#section_2d9afaa49afb43c38d997aef9671a528) 10

T

Timer events

[server](#section_97e375be90ce43319be4c423b7136a60) 40

Timers

[server](#section_cd57690e2cf44b1dad4ee7c1fb223353) 12

[Tracking changes](#section_4ab36dc5e0b94012aec6921a5212b200) 44

[Transport](#section_acb8fc76e1894b0fbddf73fe8bcaedfc) 11

Triggered events - higher-layer

[server](#section_61cfecfa99cf40f0888eff5049cdbd0e) 12

V

[Vendor-extensible fields](#section_997af918675a4b51bb72552ad53448b9) 10

[Versioning](#section_a9c770a9a40b4168a013858fe8dcfd5a) 10