[MS-COMMCSOM]: Community Client-Side Object Model Protocol Specification

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Revision Summary

Date	Revision History	Revision Class	Comments
01/20/2012	0.1	New	Released new document.
04/11/2012	0.1	No change	No changes to the meaning, language, or formatting of the technical content.

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1 Introduction

The Collaboration Server Client-Side Object Model Protocol specifies types, methods, and properties that can be used to communicate with and manipulate aspects of a collaboration **server (2)**.

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

1.1 Glossary

The following terms are defined in [MS-GLOS]:

authentication
server

The following terms are defined in [MS-OFCGLOS]:

CSOM Boolean
CSOM Int32
CSOM String
current user
item
list
list item
list item identifier
site
Uniform Resource Locator (URL)
view
Web Part

The following terms are specific to this document:

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

1.2 References

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

1.2.1 Normative References

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

[MS-CSOM] Microsoft Corporation, "SharePoint Client Query Protocol Specification".

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[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-GLOS] Microsoft Corporation, "Windows Protocols Master Glossary".

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

[MS-WSSTS] Microsoft Corporation, "Windows SharePoint Services Technical Specification".

1.3 Overview

This protocol defines types, methods, and properties that protocol clients use to communicate with and manipulate aspects of a community **site (2)** or a personal site (2) on a protocol server. The set of types, properties, and methods provide the ability for remote clients to perform moderation tasks on a community site (2) 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 on a user's personal site (2).

1.4 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]. This protocol specifies properties, methods, and types used to access a collaboration server (2) as described in [MS-WSSTS].

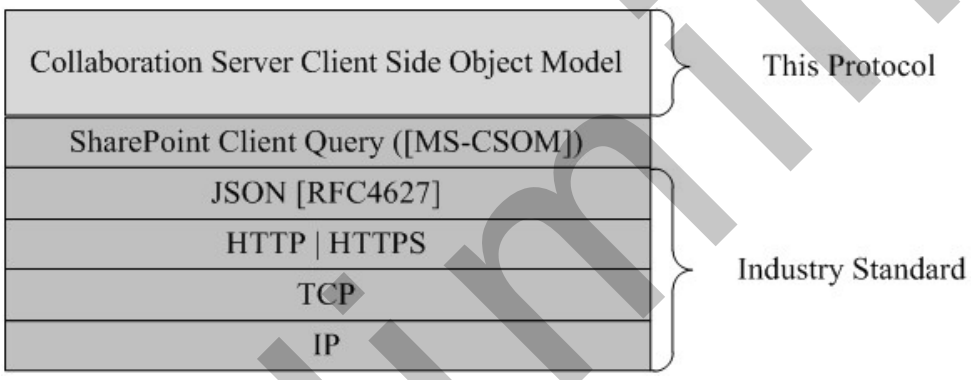

Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a site (2) that is identified by a URL that is known by protocol clients. This protocol assumes that **authentication (2)** has been performed by underlying protocols.

1.6 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

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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

None.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

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2 Messages

2.1 Transport

The SharePoint Client Query Protocol, as specified in [MS-CSOM], is used for transport.

2.2 Message Syntax

None.

2.2.1 Namespaces

None.

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3 Protocol Details

3.1 Server Details

3.1.1 Abstract Data Model

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

This protocol provides the following parent types:

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

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.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 (2). All methods in this object are static.

3.1.5.1.1 Properties

3.1.5.1.1.1 Scalar Properties

None.

3.1.5.1.1.2 ObjectPath Properties

None.

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3.1.5.1.2 Methods

3.1.5.1.2.1 Scalar Methods

3.1.5.1.2.1.1 ApproveReportedItems

This method is a static CSOM method.

Return Type: None

Approves the content in the specified **list items** as appropriate 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** 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 (1)** that contains the **items** 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** using the comma character ",".

3.1.5.1.2.1.2 ReportAbuse

This method is a static CSOM method.

Return Type: **CSOM Int32**

Reports the content in the specified list item as inappropriate.

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.

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Parameters:

listID: Identifies the list (1) 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

3.1.5.1.2.2 ObjectPath Methods

None.

3.1.5.2 Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithMe

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

ShortName: Microsoft.SharePoint.Portal.UserProfiles.DocumentsSharedWithMe

Provides methods for working with the **Documents Shared with Me** list on a user's personal site (2). All methods in this object are static.

3.1.5.2.1 Properties

3.1.5.2.1.1 Scalar Properties

None.

3.1.5.2.1.2 ObjectPath Properties

None.

3.1.5.2.2 Methods

3.1.5.2.2.1 Scalar Methods

3.1.5.2.2.1.1 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 **Documents Shared with Me** list **Web Part** in order to reload the data displayed in the Web Part.

Parameters:

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

Type: CSOM String

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

3.1.5.2.2.2 ObjectPath Methods

None.

3.1.6 Timer Events

None.

3.1.7 Other Local Events

None.

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4 Protocol Examples

4.1 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:

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

Response:

```
[
{
"SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3424.3002","ErrorInfo":null
},16,1
]
```

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5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

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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 15 Technical Preview

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

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

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7 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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