

[MS-OXREF]: Exchange Server Protocols Master Reference

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Revision Summary

Date	Revision History	Revision Class	Comments
04/04/2008	0.1		Initial Availability.
06/27/2008	1.0		Initial Release.
08/06/2008	1.01		Updated references to reflect date of initial release.
09/03/2008	1.02		Changed title of document.
12/03/2008	1.03		Updated IP notice.
02/04/2009	1.04		Updated references.
03/04/2009	1.05		Updated references.
04/10/2009	2.0		Updated references.
07/15/2009	3.0	Major	Revised and edited for technical content.
11/04/2009	3.0.1	Editorial	Revised and edited the technical content
02/10/2010	4.0.0	Major	Updated and revised the technical content.
05/05/2010	5.0.0	Major	Updated and revised the technical content.
08/04/2010	5.1	Minor	Clarified the meaning of the technical content.
11/03/2010	5.2	Minor	Clarified the meaning of the technical content.
03/18/2011	6.0	Major	Significantly changed the technical content.
08/05/2011	7.0	Major	Significantly changed the technical content.
10/07/2011	8.0	Major	Significantly changed the technical content.
01/20/2012	9.0	Major	Significantly changed the technical content.
04/27/2012	10.0	Major	Significantly changed the technical content.
07/16/2012	11.0	Major	Significantly changed the technical content.
10/08/2012	12.0	Major	Significantly changed the technical content.
02/11/2013	13.0	Major	Significantly changed the technical content.
07/26/2013	14.0	Major	Significantly changed the technical content.
11/18/2013	15.0	Major	Significantly changed the technical content.
02/10/2014	16.0	Major	Significantly changed the technical content.
04/30/2014	17.0	Major	Significantly changed the technical content.

Date	Revision History	Revision Class	Comments
07/31/2014	18.0	Major	Significantly changed the technical content.
10/30/2014	19.0	Major	Significantly changed the technical content.

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1 Support

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[MS-OXOMSG] Microsoft Corporation, "[Email Object Protocol](#)".

[MS-OXONOTE] Microsoft Corporation, "[Note Object Protocol](#)".

[MS-OXOPFFB] Microsoft Corporation, "[Public Folder-Based Free/Busy Protocol](#)".

[MS-OXOPOST] Microsoft Corporation, "[Post Object Protocol](#)".

[MS-OXORMDR] Microsoft Corporation, "[Reminder Settings Protocol](#)".

[MS-OXORMMS] Microsoft Corporation, "[Rights-Managed Email Object Protocol](#)".

[MS-OXORSS] Microsoft Corporation, "[RSS Object Protocol](#)".

[MS-OXORULE] Microsoft Corporation, "[Email Rules Protocol](#)".

[MS-OXOSFLD] Microsoft Corporation, "[Special Folders Protocol](#)".

[MS-OXOSMIME] Microsoft Corporation, "[S/MIME Email Object Algorithm](#)".

[MS-OXOSMMS] Microsoft Corporation, "[Short Message Service \(SMS\) and Multimedia Messaging Service \(MMS\) Object Protocol](#)".

[MS-OXOSRCH] Microsoft Corporation, "[Search Folder List Configuration Protocol](#)".

[MS-OXOTASK] Microsoft Corporation, "[Task-Related Objects Protocol](#)".

[MS-OXOUM] Microsoft Corporation, "[Voice Mail and Fax Objects Protocol](#)".

[MS-OXPFOAB] Microsoft Corporation, "[Offline Address Book \(OAB\) Public Folder Retrieval Protocol](#)".

[MS-OXPHISH] Microsoft Corporation, "[Phishing Warning Protocol](#)".

[MS-OXPOP3] Microsoft Corporation, "[Post Office Protocol Version 3 \(POP3\) Extensions](#)".

[MS-OXPROPS] Microsoft Corporation, "[Exchange Server Protocols Master Property List](#)".

[MS-OXPROTO] Microsoft Corporation, "[Exchange Server Protocols System Overview](#)".

[MS-OXPSVAL] Microsoft Corporation, "[Email Postmark Validation Algorithm](#)".

[MS-OXREF] Microsoft Corporation, "Exchange Server Protocols Master Reference".

[MS-OXRTFCP] Microsoft Corporation, "[Rich Text Format \(RTF\) Compression Algorithm](#)".

[MS-OXRTFEX] Microsoft Corporation, "[Rich Text Format \(RTF\) Extensions Algorithm](#)".

[MS-OXSHARE] Microsoft Corporation, "[Sharing Message Object Protocol](#)".

[MS-OXSHRMSG] Microsoft Corporation, "[Sharing Message Attachment Schema](#)".

[MS-OXSMTTP] Microsoft Corporation, "[Simple Mail Transfer Protocol \(SMTP\) Extensions](#)".

[MS-OXTNEF] Microsoft Corporation, "[Transport Neutral Encapsulation Format \(TNEF\) Data Algorithm](#)".

[MS-OXVCARD] Microsoft Corporation, "[vCard to Contact Object Conversion Algorithm](#)".

[MS-OXWAVLS] Microsoft Corporation, "[Availability Web Service Protocol](#)".

[MS-OXWCONFIG] Microsoft Corporation, "[Web Service Configuration Protocol](#)".

[MS-OXWMT] Microsoft Corporation, "[Mail Tips Web Service Extensions](#)".

[MS-OXWOAB] Microsoft Corporation, "[Offline Address Book \(OAB\) Retrieval File Format](#)".

[MS-OXWOOF] Microsoft Corporation, "[Out of Office \(OOF\) Web Service Protocol](#)".

[MS-OXWSADISC] Microsoft Corporation, "[Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol](#)".

[MS-OXWSARCH] Microsoft Corporation, "[Archiving Web Service Protocol](#)".

[MS-OXWSATT] Microsoft Corporation, "[Attachment Handling Web Service Protocol](#)".

[MS-OXWSBTRF] Microsoft Corporation, "[Bulk Transfer Web Service Protocol](#)".

[MS-OXWSCDATA] Microsoft Corporation, "[Common Web Service Data Types](#)".

[MS-OXWSCEXT] Microsoft Corporation, "[Client Extension Web Service Protocol](#)".

[MS-OXWSCONT] Microsoft Corporation, "[Contacts Web Service Protocol](#)".

[MS-OXWSCONV] Microsoft Corporation, "[Conversations Web Service Protocol](#)".

[MS-OXWSCORE] Microsoft Corporation, "[Core Items Web Service Protocol](#)".

[MS-OXWSCOS] Microsoft Corporation, "[Unified Contact Store Web Service Protocol](#)".

[MS-OXWSCVTID] Microsoft Corporation, "[Convert Item Identifier Web Service Protocol](#)".

[MS-OXWSDLGM] Microsoft Corporation, "[Delegate Access Management Web Service Protocol](#)".

[MS-OXWSDLIST] Microsoft Corporation, "[Distribution List Creation and Usage Web Service Protocol](#)".

[MS-OXWSEDISC] Microsoft Corporation, "[Electronic Discovery \(eDiscovery\) Web Service Protocol](#)".

[MS-OXWSFOLD] Microsoft Corporation, "[Folders and Folder Permissions Web Service Protocol](#)".

[MS-OXWSGNI] Microsoft Corporation, "[Nonindexable Item Web Service Protocol](#)".

[MS-OXWSGTRM] Microsoft Corporation, "[Get Rooms List Web Service Protocol](#)".

[MS-OXWSGTZ] Microsoft Corporation, "[Get Server Time Zone Web Service Protocol](#)".

[MS-OXWSLVID] Microsoft Corporation, "[Federated Internet Authentication Web Service Protocol](#)".

[MS-OXWSMSG] Microsoft Corporation, "[Email Message Types Web Service Protocol](#)".

[MS-OXWSMSHR] Microsoft Corporation, "[Folder Sharing Web Service Protocol](#)".

[MS-OXWSMTGS] Microsoft Corporation, "[Calendaring Web Service Protocol](#)".

[MS-OXWSMTRK] Microsoft Corporation, "[Message Tracking Web Service Protocol](#)".

[MS-OXWSNTIF] Microsoft Corporation, "[Notifications Web Service Protocol](#)".

[MS-OXWSPED] Microsoft Corporation, "[Password Expiration Date Web Service Protocol](#)".

[MS-OXWSPERS] Microsoft Corporation, "[Persona Web Service Protocol](#)".

[MS-OXWSPHOTO] Microsoft Corporation, "[Photo Web Service Protocol](#)".

[MS-OXWSPOST] Microsoft Corporation, "[Post Items Web Service Protocol](#)".

[MS-OXWSPSNTIF] Microsoft Corporation, "[Push Notifications Web Service Protocol](#)".

[MS-OXWSRSLNM] Microsoft Corporation, "[Resolve Recipient Names Web Service Protocol](#)".

[MS-OXWSRULES] Microsoft Corporation, "[Inbox Rules Web Service Protocol](#)".

[MS-OXWSSMBX] Microsoft Corporation, "[Site Mailbox Web Service Protocol](#)".

[MS-OXWSSRCH] Microsoft Corporation, "[Mailbox Search Web Service Protocol](#)".

[MS-OXWSSYNC] Microsoft Corporation, "[Mailbox Contents Synchronization Web Service Protocol](#)".

[MS-OXWSTASK] Microsoft Corporation, "[Tasks Web Service Protocol](#)".

[MS-OXWSURPT] Microsoft Corporation, "[Retention Tag Web Service Protocol](#)".

[MS-OXWSUSRCFG] Microsoft Corporation, "[User Configuration Web Service Protocol](#)".

[MS-OXWSXPROP] Microsoft Corporation, "[Extended Properties Structure](#)".

[MS-OXWUMS] Microsoft Corporation, "[Voice Mail Settings Web Service Protocol](#)".

[MS-PATCH] Microsoft Corporation, "[LZX DELTA Compression and Decompression](#)".

[MS-RMPR] Microsoft Corporation, "[Rights Management Services \(RMS\): Client-to-Server Protocol](#)".

[MS-RPCE] Microsoft Corporation, "[Remote Procedure Call Protocol Extensions](#)".

[MS-RPCH] Microsoft Corporation, "[Remote Procedure Call over HTTP Protocol](#)".

[MS-SAMR] Microsoft Corporation, "[Security Account Manager \(SAM\) Remote Protocol \(Client-to-Server\)](#)".

[MS-SIPRE] Microsoft Corporation, "[Session Initiation Protocol \(SIP\) Routing Extensions](#)".

[MS-SMTPNTLM] Microsoft Corporation, "[NT LAN Manager \(NTLM\) Authentication: Simple Mail Transfer Protocol \(SMTP\) Extension](#)".

[MS-SPS2SAUTH] Microsoft Corporation, "[OAuth 2.0 Authentication Protocol: SharePoint Profile](#)".

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

[MS-STANOICAL] Microsoft Corporation, "[Outlook iCalendar Standards Support](#)".

[MS-STANOIMAP] Microsoft Corporation, "[Outlook Internet Message Access Protocol \(IMAP\) Standards Support](#)".

[MS-STANOPOP3] Microsoft Corporation, "[Outlook Post Office Protocol Version 3 \(POP3\) Standards Support](#)".

[MS-STANXICAL] Microsoft Corporation, "[Exchange iCalendar Standards Support](#)".

[MS-STANXIMAP] Microsoft Corporation, "[Exchange Internet Message Access Protocol \(IMAP\) Standards Support](#)".

[MS-STANXPOP3] Microsoft Corporation, "[Exchange Post Office Protocol Version 3 \(POP3\) Standards Support](#)".

[MS-UCODEREF] Microsoft Corporation, "[Windows Protocols Unicode Reference](#)".

[MS-WDV] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol: Client Extensions](#)".

[MS-WDVME] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol: Microsoft Extensions](#)".

[MS-WDVSE] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol: Server Extensions](#)".

[MS-WMF] Microsoft Corporation, "[Windows Metafile Format](#)".

[MS-XJRNL] Microsoft Corporation, "[Journal Record Message File Format](#)".

[MS-XLOGIN] Microsoft Corporation, "[Simple Mail Transfer Protocol \(SMTP\) AUTH LOGIN Extension](#)".

[MS-XOAUTH] Microsoft Corporation, "[OAuth 2.0 Authorization Protocol Extensions](#)".

[MS-XWDCAL] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Calendar Support](#)".

[MS-XWDVSEC] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol Security Descriptor Extensions](#)".

4 Change Tracking

This section identifies changes that were made to the [MS-OXREF] protocol document between the July 2014 and October 2014 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- 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
2 External References	Added the reference [MSDN-MobileServicePart1].	Y	New content added.
3 Internal References	Removed the reference [MS-GRVDYNM].	Y	Content removed.