

[MS-CHGTR]: Windows Protocols Change Tracking

The Windows Protocols Change Tracking document is a summary of the changes made to the full set of Windows protocol documentation between the February 2014 and May 2014 releases. For more information, please contact dochelp@microsoft.com.

Changes are classed 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 update.
- 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 following table lists the changes made to the MCPP protocol documents.. The "Document" column contains a link to each changed document. The "Revision class" column shows the highest level of revision that was made for each document (for instance, if a document has both major and minor changes, the column will list "Major"). The "Summary of revision types" column lists all the types of revisions that were made to each document.

Document	Revision Class	Summary of revision types
[MC-BUP]	No change	Not applicable.
[MC-CCFG]	No change	Not applicable.
[MC-COMQC]	No change	Not applicable.
[MC-CSDL]	No change	Not applicable.
[MC-DPL4CS]	No change	Not applicable.
[MC-DPL4R]	No change	Not applicable.
[MC-DPL8CS]	No change	Not applicable.
[MC-DPL8R]	No change	Not applicable.
[MC-DPLHP]	No change	Not applicable.
[MC-DPLNAT]	No change	Not applicable.
[MC-DPLVP]	No change	Not applicable.
[MC-DRT]	No change	Not applicable.
[MC-DTCXA]	No change	Not applicable.
[MC-EDMX]	No change	Not applicable.
[MC-IISA]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MC-MQAC]	No change	Not applicable.
[MC-MQSRM]	No change	Not applicable.
[MC-NBFS]	No change	Not applicable.
[MC-NBFSE]	No change	Not applicable.
[MC-NBFX]	No change	Not applicable.
[MC-NETCEX]	No change	Not applicable.
[MC-NMF]	No change	Not applicable.
[MC-NPR]	No change	Not applicable.
[MC-PRCH]	No change	Not applicable.
[MC-PRCR]	No change	Not applicable.
[MC-SMP]	No change	Not applicable.
[MC-SQLR]	No change	Not applicable.
[MS-ABTP]	No change	Not applicable.
[MS-ADA1]	No change	Not applicable.
[MS-ADA2]	Major	Content update.
[MS-ADA3]	No change	Not applicable.
[MS-ADCAP]	No change	Not applicable.
[MS-ADDM]	No change	Not applicable.
[MS-ADFSOAL]	No change	Not applicable.
[MS-ADFSOD]	No change	Not applicable.
[MS-ADFSPPI]	No change	Not applicable.
[MS-ADFSPPI]	No change	Not applicable.
[MS-ADFSWAP]	No change	Not applicable.
[MS-ADLS]	Major	Content update.
[MS-ADMS]	No change	Not applicable.
[MS-ADOD]	No change	Not applicable.
[MS-ADSC]	Major	Protocol syntax updated.
[MS-ADTG]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-ADTS]	Major	Content update and New content added.
[MS-AIPS]	No change	Not applicable.
[MS-APDS]	Major	Content update.
[MS-ASP]	No change	Not applicable.
[MS-AUTHSOD]	No change	Not applicable.
[MS-AZMP]	Major	Content update.
[MS-AZOD]	No change	Not applicable.
[MS-BDSRR]	No change	Not applicable.
[MS-BKRP]	No change	Not applicable.
[MS-BKUP]	No change	Not applicable.
[MS-BPAU]	No change	Not applicable.
[MS-BPCR]	No change	Not applicable.
[MS-BPDP]	No change	Not applicable.
[MS-BRWS]	No change	Not applicable.
[MS-BRWSA]	No change	Not applicable.
[MS-CAPR]	No change	Not applicable.
[MS-CBCP]	No change	Not applicable.
[MS-CCROD]	No change	Not applicable.
[MS-CER]	No change	Not applicable.
[MS-CER2]	No change	Not applicable.
[MS-CERSOD]	No change	Not applicable.
[MS-CFB]	No change	Not applicable.
[MS-CHAP]	No change	Not applicable.
[MS-CIFS]	Major	Content update, Product behavior note removed, Product behavior note updated, and Content updated for template compliance.
[MS-CMOM]	No change	Not applicable.
[MS-CMP]	No change	Not applicable.
[MS-CMPO]	No change	Not applicable.
[MS-CMRP]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-COM]	No change	Not applicable.
[MS-COMA]	No change	Not applicable.
[MS-COMEV]	No change	Not applicable.
[MS-COMT]	No change	Not applicable.
[MS-CPSP]	No change	Not applicable.
[MS-CRTD]	No change	Not applicable.
[MS-CSRA]	Major	Content update.
[MS-CSSP]	Major	Content update.
[MS-CSVP]	No change	Not applicable.
[MS-CTA]	No change	Not applicable.
[MS-DCHT]	No change	Not applicable.
[MS-DCLB]	No change	Not applicable.
[MS-DCOM]	No change	Not applicable.
[MS-DFSC]	No change	Not applicable.
[MS-DFSNM]	No change	Not applicable.
[MS-DFSRH]	No change	Not applicable.
[MS-DHCPE]	No change	Not applicable.
[MS-DHCPF]	No change	Not applicable.
[MS-DHCPM]	No change	Not applicable.
[MS-DHCPN]	Major	Content update, Product behavior note updated, and Content removed.
[MS-DISO]	No change	Not applicable.
[MS-DLNHND]	No change	Not applicable.
[MS-DLTCS]	No change	Not applicable.
[MS-DLTM]	No change	Not applicable.
[MS-DLTW]	No change	Not applicable.
[MS-DMCT]	No change	Not applicable.
[MS-DMRP]	No change	Not applicable.
[MS-DNSP]	Major	Content update and New content added.
[MS-DOCO]	Major	Content update.

Document	Revision Class	Summary of revision types
[MS-DPDX]	No change	Not applicable.
[MS-DPSP]	No change	Not applicable.
[MS-DPWSRP]	No change	Not applicable.
[MS-DPWSSN]	No change	Not applicable.
[MS-DRM]	No change	Not applicable.
[MS-DRMCD]	No change	Not applicable.
[MS-DRMND]	No change	Not applicable.
[MS-DRMRI]	No change	Not applicable.
[MS-DRSR]	No change	Not applicable.
[MS-DSCPM]	No change	Not applicable.
[MS-DSLRL]	No change	Not applicable.
[MS-DSML]	No change	Not applicable.
[MS-DSMN]	No change	Not applicable.
[MS-DSPA]	No change	Not applicable.
[MS-DSSP]	No change	Not applicable.
[MS-DTAG]	No change	Not applicable.
[MS-DTCLU]	No change	Not applicable.
[MS-DTCM]	No change	Not applicable.
[MS-DTCO]	No change	Not applicable.
[MS-DTYP]	Major	Content update.
[MS-DVRD]	Major	Content update.
[MS-DVRE]	Major	Content update and Protocol syntax updated.
[MS-ECS]	Major	Product behavior note removed, Content update, New content added, and Content removed.
[MS-EERR]	No change	Not applicable.
[MS-EFSR]	No change	Not applicable.
[MS-EMF]	Major	Content update.
[MS-EMFPLUS]	Major	Content update and New product behavior note added.
[MS-	No change	Not applicable.

Document	Revision Class	Summary of revision types
[EMFSPOOL]		
[MS-ERREF]	No change	Not applicable.
[MS-EVEN]	No change	Not applicable.
[MS-EVEN6]	No change	Not applicable.
[MS-FASOD]	No change	Not applicable.
[MS-FASP]	Major	Content update.
[MS-FAX]	No change	Not applicable.
[MS-FCIADS]	No change	Not applicable.
[MS-FRS1]	No change	Not applicable.
[MS-FRS2]	Major	Content updated due to protocol revision, Protocol syntax updated, Content update, Product behavior note updated, New product behavior note added, and New protocol syntax added.
[MS-FSA]	Major	Content update.
[MS-FSCC]	No change	Not applicable.
[MS-FSMOD]	No change	Not applicable.
[MS-FSRM]	No change	Not applicable.
[MS-FSRVP]	Major	Product behavior note updated.
[MS-FSVCA]	New	Released new document.
[MS-FTPS]	No change	Not applicable.
[MS-GKDI]	No change	Not applicable.
[MS-GLOS]	Major	Content update.
[MS-GPAC]	No change	Not applicable.
[MS-GPCAP]	No change	Not applicable.
[MS-GPDPC]	No change	Not applicable.
[MS-GPEF]	Minor	Content update.
[MS-GPFAS]	No change	Not applicable.
[MS-GPFR]	No change	Not applicable.
[MS-GPIE]	No change	Not applicable.
[MS-GPIPSEC]	No change	Not applicable.
[MS-GPNAP]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-GPNRPT]	No change	Not applicable.
[MS-GPOD]	No change	Not applicable.
[MS-GPOL]	No change	Not applicable.
[MS-GPPREF]	No change	Not applicable.
[MS-GPREG]	No change	Not applicable.
[MS-GPSB]	No change	Not applicable.
[MS-GPSCR]	No change	Not applicable.
[MS-GPSI]	No change	Not applicable.
[MS-GPWL]	No change	Not applicable.
[MS-GSSA]	No change	Not applicable.
[MS-H245]	No change	Not applicable.
[MS-H26XPF]	No change	Not applicable.
[MS-HCEP]	Major	Content update.
[MS-HGRP]	No change	Not applicable.
[MS-HNDS]	No change	Not applicable.
[MS-HTTPE]	No change	Not applicable.
[MS-ICPR]	No change	Not applicable.
[MS-IISS]	No change	Not applicable.
[MS-IKEE]	No change	Not applicable.
[MS-IMSA]	No change	Not applicable.
[MS-IOI]	No change	Not applicable.
[MS-IPAMM]	No change	Not applicable.
[MS-IPAMM2]	No change	Not applicable.
[MS-IPHTTSP]	No change	Not applicable.
[MS-IRDA]	No change	Not applicable.
[MS-IRP]	No change	Not applicable.
[MS-KILE]	No change	Not applicable.
[MS-KKDCP]	Minor	Content update.
[MS-L2TPIE]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-LCID]	No change	Not applicable.
[MS-LLMNRP]	No change	Not applicable.
[MS-LLTD]	No change	Not applicable.
[MS-LREC]	No change	Not applicable.
[MS-LSAD]	No change	Not applicable.
[MS-LSAT]	No change	Not applicable.
[MS-LWSSP]	No change	Not applicable.
[MS-MAIL]	No change	Not applicable.
[MS-MCIS]	No change	Not applicable.
[MS-MDE]	Major	Content update.
[MS-MDM]	Major	Content update.
[MS-MMSP]	No change	Not applicable.
[MS-MNPR]	No change	Not applicable.
[MS-MQBR]	No change	Not applicable.
[MS-MQCN]	No change	Not applicable.
[MS-MQDMPR]	No change	Not applicable.
[MS-MQDS]	No change	Not applicable.
[MS-MQDSSM]	No change	Not applicable.
[MS-MQMP]	No change	Not applicable.
[MS-MQMQ]	No change	Not applicable.
[MS-MQMR]	No change	Not applicable.
[MS-MQOD]	No change	Not applicable.
[MS-MQQB]	No change	Not applicable.
[MS-MQQP]	No change	Not applicable.
[MS-MQRR]	No change	Not applicable.
[MS-MQSD]	No change	Not applicable.
[MS-MSB]	No change	Not applicable.
[MS-MSBD]	No change	Not applicable.
[MS-MSRP]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-MSSOD]	No change	Not applicable.
[MS-MWBE]	No change	Not applicable.
[MS-MWBF]	No change	Not applicable.
[MS-N2HT]	No change	Not applicable.
[MS-NAPOD]	No change	Not applicable.
[MS-NBTE]	Major	Content update, New product behavior note added, Product behavior note removed, and Product behavior note updated.
[MS-NETOD]	No change	Not applicable.
[MS-NETTR]	No change	Not applicable.
[MS-NFPB]	Major	Content update.
[MS-NFPS]	No change	Not applicable.
[MS-NKPU]	No change	Not applicable.
[MS-NLMP]	No change	Not applicable.
[MS-NMFMB]	No change	Not applicable.
[MS-NMFTB]	No change	Not applicable.
[MS-NNS]	No change	Not applicable.
[MS-NNTP]	No change	Not applicable.
[MS-NRBF]	No change	Not applicable.
[MS-NRLS]	No change	Not applicable.
[MS-NRPC]	Major	Content update and Product behavior note updated.
[MS-NRTP]	No change	Not applicable.
[MS-NSPI]	No change	Not applicable.
[MS-NTHT]	No change	Not applicable.
[MS-OAPX]	Major	Content update.
[MS-OAUT]	No change	Not applicable.
[MS-OCSP]	No change	Not applicable.
[MS-OCSPA]	No change	Not applicable.
[MS-ODATA]	Major	Content update.
[MS-OLEDS]	No change	Not applicable.
[MS-OLEPS]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-OTPCE]	No change	Not applicable.
[MS-PAC]	No change	Not applicable.
[MS-PAN]	No change	Not applicable.
[MS-PAR]	No change	Not applicable.
[MS-PASS]	No change	Not applicable.
[MS-PBSD]	No change	Not applicable.
[MS-PCCRC]	No change	Not applicable.
[MS-PCCRD]	No change	Not applicable.
[MS-PCCRR]	No change	Not applicable.
[MS-PCCRTP]	No change	Not applicable.
[MS-PCHC]	No change	Not applicable.
[MS-PCQ]	No change	Not applicable.
[MS-PEAP]	Major	Content update and Content removed.
[MS-PKCA]	No change	Not applicable.
[MS-PLA]	No change	Not applicable.
[MS-PNRP]	No change	Not applicable.
[MS-POP3]	No change	Not applicable.
[MS-PPGRH]	No change	Not applicable.
[MS-PPPI]	No change	Not applicable.
[MS-PPSEC]	No change	Not applicable.
[MS-PROPSTORE]	No change	Not applicable.
[MS-PRSOD]	No change	Not applicable.
[MS-PSDP]	No change	Not applicable.
[MS-PSRDP]	New	Released new document.
[MS-PSRP]	No change	Not applicable.
[MS-PTPT]	No change	Not applicable.
[MS-QDP]	No change	Not applicable.
[MS-QLPB]	No change	Not applicable.
[MS-RA]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-RAA]	No change	Not applicable.
[MS-RAI]	No change	Not applicable.
[MS-RAIOP]	No change	Not applicable.
[MS-RAIW]	No change	Not applicable.
[MS-RAP]	No change	Not applicable.
[MS-RASA]	No change	Not applicable.
[MS-RCMP]	No change	Not applicable.
[MS-RDC]	No change	Not applicable.
[MS-RDPADRV]	No change	Not applicable.
[MS-RDPBCGR]	Major	Content update and New content added.
[MS-RDPCR2]	No change	Not applicable.
[MS-RDPEA]	No change	Not applicable.
[MS-RDPEAI]	Major	Content update.
[MS-RDPECLIP]	No change	Not applicable.
[MS-RDPEDC]	No change	Not applicable.
[MS-RDPEDISP]	No change	Not applicable.
[MS-RDPEDYC]	No change	Not applicable.
[MS-RDPEECO]	No change	Not applicable.
[MS-RDPEFS]	No change	Not applicable.
[MS-RDPEGDI]	No change	Not applicable.
[MS-RDPEGFX]	No change	Not applicable.
[MS-RDPEGT]	No change	Not applicable.
[MS-RDPEI]	No change	Not applicable.
[MS-RDPELE]	No change	Not applicable.
[MS-RDPEMC]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-RDPENT]	No change	Not applicable.
[MS-RDPEPC]	No change	Not applicable.
[MS-RDPEPNP]	No change	Not applicable.
[MS-RDPEPS]	No change	Not applicable.
[MS-RDPERP]	No change	Not applicable.
[MS-RDPESC]	No change	Not applicable.
[MS-RDPESP]	No change	Not applicable.
[MS-RDPET]	No change	Not applicable.
[MS-RDPEUDP]	No change	Not applicable.
[MS-RDPEUSB]	No change	Not applicable.
[MS-RDPEV]	No change	Not applicable.
[MS-RDPEVOR]	No change	Not applicable.
[MS-RDPEXPS]	No change	Not applicable.
[MS-RDPNSC]	No change	Not applicable.
[MS-RDPRFX]	No change	Not applicable.
[MS-RDSOD]	No change	Not applicable.
[MS-RDWR]	No change	Not applicable.
[MS-REF]	Major	Content update.
[MS-RMPR]	No change	Not applicable.
[MS-RMPRS]	No change	Not applicable.
[MS-RMSI]	No change	Not applicable.
[MS-RMSOD]	No change	Not applicable.
[MS-RNAP]	No change	Not applicable.
[MS-RPCE]	No change	Not applicable.
[MS-RPCH]	No change	Not applicable.
[MS-RPCL]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-RPRN]	No change	Not applicable.
[MS-RRASM]	No change	Not applicable.
[MS-RRP]	No change	Not applicable.
[MS-RRSP2]	No change	Not applicable.
[MS-RSMP]	Major	Content update.
[MS-RSP]	No change	Not applicable.
[MS-RSVD]	Major	Content update, New content added, and Product behavior note updated.
[MS-RTPDT]	No change	Not applicable.
[MS-RTPME]	No change	Not applicable.
[MS-RTPRAD]	No change	Not applicable.
[MS-RTSP]	No change	Not applicable.
[MS-RXAD]	No change	Not applicable.
[MS-SAMLPR]	No change	Not applicable.
[MS-SAMR]	No change	Not applicable.
[MS-SAMS]	No change	Not applicable.
[MS-SCMP]	No change	Not applicable.
[MS-SCMR]	No change	Not applicable.
[MS-SDP]	No change	Not applicable.
[MS-SECO]	No change	Not applicable.
[MS-SFMWA]	No change	Not applicable.
[MS-SFU]	No change	Not applicable.
[MS-SHLLINK]	No change	Not applicable.
[MS-SIP]	Major	Content update.
[MS-SMB]	Major	Content update and New product behavior note added.
[MS-SMB2]	Major	Content update, New product behavior note added, Product behavior note updated, and New product behavior note added.
[MS-SMBD]	Major	Product behavior note updated.
[MS-SMTPNTLM]	No change	Not applicable.
[MS-SNID]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-SNTP]	No change	Not applicable.
[MS-SPNG]	No change	Not applicable.
[MS-SQMCS]	No change	Not applicable.
[MS-SQMCS2]	No change	Not applicable.
[MS-SRPL]	No change	Not applicable.
[MS-SRVS]	No change	Not applicable.
[MS-SSDP]	No change	Not applicable.
[MS-SSEAN]	No change	Not applicable.
[MS-SSTP]	No change	Not applicable.
[MS-SSTR]	No change	Not applicable.
[MS-STOROD]	No change	Not applicable.
[MS-SWN]	No change	Not applicable.
[MS-SWSB]	No change	Not applicable.
[MS-SYS]	No change	Not applicable.
[MS-TAIL]	No change	Not applicable.
[MS-TCC]	No change	Not applicable.
[MS-TDS]	Major	Content update.
[MS-THCH]	No change	Not applicable.
[MS-TIPP]	No change	Not applicable.
[MS-TLSP]	Major	Content update.
[MS-TNAP]	No change	Not applicable.
[MS-TPMVSC]	No change	Not applicable.
[MS-TPSOD]	No change	Not applicable.
[MS-TPXS]	No change	Not applicable.
[MS-TRP]	No change	Not applicable.
[MS-TSCH]	No change	Not applicable.
[MS-TSGU]	Major	Content update and New product behavior note added.
[MS-TSRAP]	No change	Not applicable.
[MS-TSTS]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-TSWP]	No change	Not applicable.
[MS-TVTT]	No change	Not applicable.
[MS-UAMG]	No change	Not applicable.
[MS-UCODEREF]	No change	Not applicable.
[MS-UNMP]	No change	Not applicable.
[MS-UPIGD]	No change	Not applicable.
[MS-UPMC]	No change	Not applicable.
[MS-V4OF]	No change	Not applicable.
[MS-VDS]	No change	Not applicable.
[MS-VUVP]	No change	Not applicable.
[MS-W32T]	No change	Not applicable.
[MS-WCCE]	No change	Not applicable.
[MS-WCFESAN]	No change	Not applicable.
[MS-WDSC]	No change	Not applicable.
[MS-WDSMA]	No change	Not applicable.
[MS-WDSMSI]	No change	Not applicable.
[MS-WDSMT]	No change	Not applicable.
[MS-WDSOSD]	No change	Not applicable.
[MS-WDV]	No change	Not applicable.
[MS-WDVSE]	No change	Not applicable.
[MS-WFDAA]	No change	Not applicable.
[MS-WFIM]	No change	Not applicable.
[MS-WINSRA]	No change	Not applicable.
[MS-WKST]	No change	Not applicable.
[MS-WMF]	Minor	New product behavior note added.
[MS-WMHTTP]	No change	Not applicable.
[MS-WMI]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-WMIO]	No change	Not applicable.
[MS-WMLOG]	No change	Not applicable.
[MS-WMOD]	No change	Not applicable.
[MS-WMSP]	No change	Not applicable.
[MS-WPO]	No change	Not applicable.
[MS-WPRN]	No change	Not applicable.
[MS-WSDS]	No change	Not applicable.
[MS-WSH]	No change	Not applicable.
[MS-WSMAN]	No change	Not applicable.
[MS-WSMV]	No change	Not applicable.
[MS-WSP]	No change	Not applicable.
[MS-WSPE]	No change	Not applicable.
[MS-WSPELD]	No change	Not applicable.
[MS-WSPOL]	No change	Not applicable.
[MS-WSRM]	No change	Not applicable.
[MS-WSRVCAT]	No change	Not applicable.
[MS-WSRVCRM]	No change	Not applicable.
[MS-WSRVCRR]	Major	Content update.
[MS-WSTC]	No change	Not applicable.
[MS-WSTEP]	Minor	Content update.
[MS-WSTIM]	No change	Not applicable.
[MS-WSUSAR]	New	Released new document.
[MS-WSUSOD]	No change	Not applicable.
[MS-WSUSSS]	Major	Content update.
[MS-WUSP]	No change	Not applicable.
[MS-XCA]	No change	Not applicable.
[MS-XCEP]	No change	Not applicable.

Document	Revision Class	Summary of revision types
[MS-XOPP]	No change	Not applicable.