

[MS-ADMS]: Shared Abstract Data Model Elements

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Revision Summary

Date	Revision History	Revision Class	Comments
06/04/2010	1.0	Major	First Release.
07/16/2010	1.1	Minor	Clarified the meaning of the technical content.
08/27/2010	2.0	Major	Significantly changed the technical content.
10/08/2010	3.0	Major	Significantly changed the technical content.
11/19/2010	4.0	Major	Significantly changed the technical content.
01/07/2011	4.0	No change	No changes to the meaning, language, or formatting of the technical content.
02/11/2011	5.0	Major	Significantly changed the technical content.

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1 Introduction

The Shared Abstract Data Model Elements document is a companion reference to the protocol specifications. It documents the public abstract data model (ADM) elements that are shared between two or more protocols in the protocol documentation set.

A public ADM element is an element that can be directly accessed from outside a protocol.

In the following tables, the first column lists the document, section, and ADM element name that define the public ADM element. The second column lists the documents, section numbers, and names of the local elements that access the public ADM element.

2 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-APDS] Microsoft Corporation, "[Authentication Protocol Domain Support Specification](#)", June 2007.

[MS-BPAU] Microsoft Corporation, "[Background Intelligent Transfer Service \(BITS\) Peer-Caching: Peer Authentication Protocol Specification](#)", June 2007.

[MS-BPCR] Microsoft Corporation, "[Background Intelligent Transfer Service \(BITS\) Peer-Caching: Content Retrieval Protocol Specification](#)", June 2007.

[MS-CMOM] Microsoft Corporation, "[MSDTC Connection Manager: OleTx Management Protocol Specification](#)", September 2007.

[MS-CMP] Microsoft Corporation, "[MSDTC Connection Manager: OleTx Multiplexing Protocol Specification](#)", July 2007.

[MS-CMPO] Microsoft Corporation, "[MSDTC Connection Manager: OleTx Transports Protocol Specification](#)", July 2007.

[MS-CSRA] Microsoft Corporation, "[Certificate Services Remote Administration Protocol Specification](#)", March 2007.

[MS-DHCPM] Microsoft Corporation, "[Microsoft Dynamic Host Configuration Protocol \(DHCP\) Server Management Protocol Specification](#)", January 2008.

[MS-DISO] Microsoft Corporation, "[Domain Interactions System Overview](#)", November 2009.

[MS-DSSP] Microsoft Corporation, "[Directory Services Setup Remote Protocol Specification](#)", January 2007.

[MS-DTCM] Microsoft Corporation, "[MSDTC Connection Manager: OleTx Transaction Internet Protocol Specification](#)", August 2007.

[MS-DTCO] Microsoft Corporation, "[MSDTC Connection Manager: OleTx Transaction Protocol Specification](#)", July 2007.

[MS-EFSR] Microsoft Corporation, "[Encrypting File System Remote \(EFSRPC\) Protocol Specification](#)", January 2007.

[MS-GPEF] Microsoft Corporation, "[Group Policy: Encrypting File System Extension](#)", March 2007.

[MS-GPOL] Microsoft Corporation, "[Group Policy: Core Protocol Specification](#)", June 2007.

[MS-KILE] Microsoft Corporation, "[Kerberos Protocol Extensions](#)", January 2007.

[MS-LSAD] Microsoft Corporation, "[Local Security Authority \(Domain Policy\) Remote Protocol Specification](#)", June 2007.

[MS-MQDMPR] Microsoft Corporation, "[Message Queuing \(MSMQ\): Common Data Model and Processing Rules](#)", August 2008.

- [MS-NRPC] Microsoft Corporation, "[Netlogon Remote Protocol Specification](#)", March 2007.
- [MS-PNPR] Microsoft Corporation, "[Plug and Play Remote \(PNPR\) Protocol Specification](#)", March 2007.
- [MS-RPCE] Microsoft Corporation, "[Remote Procedure Call Protocol Extensions](#)", January 2007.
- [MS-SAMR] Microsoft Corporation, "[Security Account Manager \(SAM\) Remote Protocol Specification \(Client-to-Server\)](#)", June 2007.
- [MS-RRP] Microsoft Corporation, "[Windows Remote Registry Protocol Specification](#)", August 2007.
- [MS-WCCE] Microsoft Corporation, "[Windows Client Certificate Enrollment Protocol Specification](#)", June 2007.
- [MS-WKST] Microsoft Corporation, "[Workstation Service Remote Protocol Specification](#)", January 2007.

3 [MS-APDS] Public ADM Elements

This section lists the public ADM elements in [\[MS-APDS\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-APDS] section 3.1.1, ADM element ImpersonationAccessToken	[MS-RPCE] section 3.3.3.4.3, ADM element RpcImpersonationAccessToken

4 [MS-BPAU] Public ADM Elements

This section lists the public ADM elements in [\[MS-BPAU\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-BPAU] section 3.1.1.1, ADM element Local Certificate	[MS-BPCR] section 3.2.5.2, ADM element Local Certificate
[MS-BPAU] section 3.2.1.1, ADM element Local Certificate	[MS-BPCR] section 3.1.5, ADM element Local Certificate

5 [MS-CMPO] Public ADM Elements

This section lists the public ADM elements in [\[MS-CMPO\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-CMPO] section 3.2.1.1, ADM element Minimum Level 2 Version Number	[MS-CMP] section 3.1.1, ADM element Minimum Level 2 Version Number [MS-CMP] section 3.1.3.2, ADM element Minimum Level 2 Version Number
[MS-CMPO] section 3.2.1.1, ADM element Maximum Level 2 Version Number	[MS-CMP] section 3.1.1, ADM element Maximum Level 2 Version Number [MS-CMP] section 3.1.3.2, ADM element Minimum Level 2 Version Number
[MS-CMPO] section 3.2.1.1, ADM element Minimum Level 3 Version Number	[MS-CMOM] section 3.2.4.1, ADM element Minimum Level 3 Version Number [MS-CMP] section 3.1.1, ADM element Minimum Level 3 Version Number [MS-CMP] section 3.1.3.1, ADM element Minimum Level 3 Version Number [MS-DTCM] section 3.1.3, ADM element Minimum Level 3 Version Number
[MS-CMPO] section 3.2.1.1, ADM element Maximum Level 3 Version Number	[MS-CMOM] section 3.2.4.1, ADM element Maximum Level 3 Version Number [MS-CMP] section 3.1.1, ADM element Maximum Level 3 Version Number [MS-CMP] section 3.1.3.1, ADM element Maximum Level 3 Version Number [MS-DTCM] section 3.1.3, ADM element Maximum Level 3 Version Number [MS-DTCM] section 3.1.8, ADM element Maximum Level 3 Version Number

6 [MS-DISO] Public ADM Elements

This section lists the public ADM elements in [\[MS-DISO\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-DISO] section 4.3.1.1, ADM element DomainName.NetBIOS	[MS-DSSP] section 3.2.1, ADM element NetBIOSDomainName [MS-KILE] section 3.3.1, ADM element NetbiosDomainName [MS-LSAD] section 3.1.1.1, ADM element Dns Domain Information.Name [MS-NRPC] section 3.4.1, ADM element domain-name [MS-NRPC] section 3.5.1, ADM element NetbiosDomainName [MS-WKST] section 3.2.4.8, ADM element DomainName.NetBIOS
[MS-DISO] section 4.3.1.1, ADM element DomainName.FQDN	[MS-DSSP] section 3.2.1, ADM element DNSDomainName [MS-LSAD] section 3.1.1.1, ADM element Dns Domain Information.DnsDomainName [MS-NRPC] section 3.5.1, ADM element DNSDomainName [MS-WKST] section 3.2.1.5, ADM element DomainName [MS-WCCE] section 3.2.1.4.1.1, ADM element OutputSID
[MS-DISO] section 4.3.1.1, ADM element DomainSID	[MS-KILE] section 3.3.1, ADM element DomainSID [MS-LSAD] section 3.1.1.1, ADM element Dns Domain Information.SID [MS-LSAD] section 3.1.1.1, ADM element Primary Domain Information.SID [MS-NRPC] section 3.5.1, ADM element DomainSID [MS-WKST] section 3.2.1.5, ADM element DomainSID
[MS-DISO] section 4.3.1.1, ADM element DomainGuid	[MS-DSSP] section 3.2.1, ADM element DomainGuid [MS-LSAD] section 3.1.1.1, ADM element Dns Domain Information.DomainGuid [MS-NRPC] section 3.5.1, ADM element DomainGuid [MS-MQDMPR] section 3.1.1.1, ADM element QueueManager.MachineDomainId
[MS-DISO] section 4.3.1.1, ADM element SiteName	[MS-GPOL] section 2.2.3, ADM element SiteName
[MS-DISO] section 4.3.1.1, ADM element ForestNameFQDN	[MS-DSSP] section 3.2.1, ADM element ForestName [MS-LSAD] section 3.1.1.1, ADM element Dns Domain Information.DnsForestName
[MS-DISO] section 4.3.1.1, ADM element ComputerName.NetBIOS	[MS-DTCO] section 3.2.3, ADM element HostName [MS-KILE] section 3.3.1, ADM element NetbiosServerName [MS-LSAD] section 3.1.1.1, ADM element Account Domain Information.DomainName [MS-MQDMPR] section 3.1.1.1, ADM elements ComputerName and QueueManager.ComputerName [MS-WKST] section 3.2.1.5, ADM element

ADM element	Accessed by
	ComputerNameNetBIOS
[MS-DISO] section 4.3.1.1, ADM element ComputerName.FQDN	[MS-GPOL] section 3.2.4, ADM element ComputerName.FQDN [MS-MQDMPR] section 3.1.1.1, ADM elements QualifiedComputerName and QueueManager.QualifiedComputerName [MS-WKST] section 3.2.1.5, ADM element ComputerNameFQDN
[MS-DISO] section 4.3.1.1, ADM element Password	[MS-NRPC] section 3.1.1, ADM element SharedSecret

7 [MS-EFSR] Public ADM Elements

This section lists the public ADM elements in [\[MS-EFSR\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-EFSR] section 3.1.1.1, ADM element RequireV3Template	[MS-GPEF] section 3.2.1, ADM element RequireV3Template
[MS-EFSR] section 3.1.1.1, ADM element DisallowV3Template	[MS-GPEF] section 3.2.1, ADM element DisallowV3Template
[MS-EFSR] section 3.1.1.1, ADM element RequireSmartCard	[MS-GPEF] section 3.2.1, ADM element RequireSmartCard
[MS-EFSR] section 3.1.1.1, ADM element TemplateName	[MS-GPEF] section 3.2.1, ADM element TemplateName
[MS-EFSR] section 3.1.1.2, ADM element EfsDisabled	[MS-GPEF] section 3.2.1, ADM element EfsDisabled

8 [MS-KILE] Public ADM Elements

This section lists the public ADM elements in [\[MS-KILE\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-KILE] section 3.4.1, ADM element ImpersonationAccessToken	[MS-RPCE] section 3.3.3.4.3, ADM element RpcImpersonationAccessToken

9 [MS-LSAD] Public ADM Elements

This section lists the public ADM elements in [\[MS-LSAD\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-LSAD] section 3.1.1.1, ADM element AuthenticationOptions	[MS-KILE] section 3.1.1, ADM element AuthenticationOptions
[MS-LSAD] section 3.1.1.1, ADM element MaxServiceTicketAge	[MS-KILE] section 3.1.1, ADM element MaximumServiceTicketLifetime
[MS-LSAD] section 3.1.1.1, ADM element MaxTicketAge	[MS-KILE] section 3.1.1, ADM element MaximumTGTLifetime
[MS-LSAD] section 3.1.1.1, ADM element MaxRenewAge	[MS-KILE] section 3.1.1, ADM element Maximum renewable lifetime
[MS-LSAD] section 3.1.1.1, ADM element MaxClockSkew	[MS-KILE] section 3.1.1, ADM element Acceptable clock skew

10 [MS-RPCE] Public ADM Elements

This section lists the public ADM elements in [\[MS-RPCE\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-RPCE] section 3.3.3.1.4, (Server) ADM element RpcImpersonationAccessToken	[MS-SAMR] section 3.1.1.8.10, ADM element RpcImpersonationAccessToken
[MS-RPCE] section 3.3.3.1.4, (Server) ADM element RpcImpersonationAccessToken	[MS-NRPC] section 3.5.5.2, ADM element RpcImpersonationAccessToken
[MS-RPCE] section 3.3.3.1.4, (Server) ADM element RpcImpersonationAccessToken	[MS-DHCPM] section 3.5.1, ADM element RpcImpersonationAccessToken
[MS-RPCE] section 3.3.3.1.4, (Server) ADM element RpcImpersonationAccessToken	[MS-RRP] section 3.1.1.8, ADM element RpcImpersonationAccessToken
[MS-RPCE] section 3.3.3.1.4, (Server) ADM element RpcImpersonationAccessToken	[MS-CSRA] section 3.1.4.1, ADM element RpcImpersonationAccessToken
[MS-RPCE] section 3.3.3.1.4, (Server) ADM element RpcImpersonationAccessToken	[MS-PNPR] section 3.1.1.2, ADM element RpcImpersonationAccessToken

11 [MS-WCCE] Public ADM Elements

This section lists the public ADM elements in [\[MS-WCCE\]](#) and the protocols that access them. The ADM element name that each protocol uses is listed in the second column.

ADM element	Accessed by
[MS-WCCE] section 3.2.1.1.2 (Server) ADM element Signing_Cert_Certificate	[MS-CSRA] section 3.1.1.11, ADM element Signing_Cert_Certificate
[MS-WCCE] section 3.2.1.1.2 (Server) ADM element Signing_Private_Key	[MS-CSRA] section 3.1.4.1.6, ADM element Signing_Private_Key
[MS-WCCE] section 3.2.1.1.2 (Server) ADM element Signing_Cert_Version_ID	[MS-CSRA] section 3.1.4.1.6, ADM element Signing_Cert_Version_ID
[MS-WCCE] section 3.2.1.1.2 (Server) ADM element Signing_Private_Key_Version_ID	[MS-CSRA] section 3.1.4.1.6, ADM element Signing_Private_Key_Version_ID
[MS-WCCE] section 3.2.1.1.2 (Server) ADM element Signing_Cert Table	[MS-CSRA] section 3.1.1.11, ADM element Signing_Cert Table

12 Change Tracking

This section identifies changes that were made to the [MS-ADMS] protocol document between the January 2011 and February 2011 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.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

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 language and 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 or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

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.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- 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 protocol@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
6 [MS-DISO] Public ADM Elements	63522 Added the [MS-WCCE] ADM element OutputSID.	Y	Content updated.
6 [MS-DISO] Public ADM Elements	59138 Updated the [MS-LSAD] ADM element names.	Y	Content updated.
6 [MS-DISO] Public ADM Elements	63529 Updated the [MS-DISO] ADM element names.	N	Content updated.
6 [MS-DISO] Public ADM Elements	60463 Added shared [MS-DSSP] ADM elements.	Y	Content updated.
6 [MS-DISO] Public ADM Elements	63514 Removed [MS-WKST] from the list of protocols that access ClientName and removed the ClientName row from the ADM element table.	Y	Content updated.
7 [MS-EFSR] Public ADM Elements	59508 Added the EfsDisabled ADM element.	Y	Content updated.
7 [MS-DSSP]	60475 Removed section.	Y	Content removed.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
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