

[MS-ADA2]: Active Directory Schema Attributes M

This document contains a partial list of the objects that exist in the Active Directory schema. Active Directory and all associated terms and concepts are described in the Microsoft-proprietary document titled "Active Directory Technical Specification", which has the following normative reference:

[MS-ADTS] Microsoft Corporation, "[Active Directory Technical Specification](#)", June 2007.

Note This document is not intended to stand on its own; it is intended to act as an appendix to the Active Directory Technical Specification, as specified in the normative reference shown above. For details about the Active Directory schema, see [\[MS-ADTS\]](#) section 3.1.1.2 (Active Directory Schema).

This document contains Active Directory schema objects of type "attribute" whose names start with the letter M.

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Revision Summary

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1 References

This section contains the references that are used in this document.

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-ADTS] Microsoft Corporation, "[Active Directory Technical Specification](#)", July 2006.

[MS-DRSR] Microsoft Corporation, "[Directory Replication Service \(DRS\) Remote Protocol Specification](#)", July 2006.

[MS-FRS1] Microsoft Corporation, "File Replication Service Protocol Specification", July 2006.

[MS-FRS2] Microsoft Corporation, "[SD Microsoft Distributed File System Replication Protocol Specification](#)", July 2006.

[MS-GPOL] Microsoft Corporation, "[Group Policy: Core Protocol Specification](#)", July 2006.

[MS-GPWL] Microsoft Corporation, "[Group Policy: Wireless/Wired Protocol Extension](#)", July 2006.

[MS-KILE] Microsoft Corporation, "[Kerberos Protocol Extensions](#)", July 2006.

[MS-LSAD] Microsoft Corporation, "[Local Security Authority \(Domain Policy\) Remote Protocol Specification](#)", July 2006.

[MS-RCMP] Microsoft Corporation, "[Remote Certificate Mapping Protocol Specification](#)", July 2006.

[MS-RNAP] Microsoft Corporation, "[Vendor-Specific RADIUS Attributes for Network Access Protection \(NAP\) Data Structure](#)", July 2006.

[MS-SAMR] Microsoft Corporation, "[Security Account Manager \(SAM\) Remote Protocol Specification \(Client-to-Server\)](#)", July 2006.

[MS-SECO] Microsoft Corporation, "[Windows Security Overview](#)", December 2006.

[MS-SRPL] Microsoft Corporation, "[Directory Replication Service \(DRS\) Protocol Extensions for SMTP](#)", July 2006.

[MS-WMI] Microsoft Corporation, "[Windows Management Instrumentation Remote Protocol Specification](#)", July 2006.

[MSDN-ACL] Microsoft Corporation, "ACL", <http://msdn2.microsoft.com/en-us/library/aa374931.aspx>

If you have any trouble finding [MSDN-ACL], please check [here](#).

[RFC2327] Handley, M. and Jacobson, V., "SDP: Session Description Protocol", RFC 2327, April 1998, <http://www.ietf.org/rfc/rfc2327.txt>

[RFC2849] Good, G., "The LDAP Data Interchange Format (LDIF) - Technical Specification", RFC 2849, June 2000, <http://www.ietf.org/rfc/rfc2849.txt>

2 Attributes

The following sections specify attributes in the Active Directory schema whose names start with the letter M.

Note Lines of text in the attribute definitions that are excessively long have been "folded" in accordance with [RFC2849](#) Note 2.

2.1 Attribute macAddress

This attribute specifies the Media Access Control (MAC) address of a network endpoint in colon-separated hexadecimal notation.

```
cn: MacAddress
ldapDisplayName: macAddress
attributeId: 1.3.6.1.1.1.1.22
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: e6a522dd-9770-43e1-89de-1de5044328f7
systemOnly: FALSE
searchFlags: 0
rangeUpper: 128
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.2 Attribute machineArchitecture

This attribute specifies a list of hardware processors supported by a given application.

```
cn: Machine-Architecture
ldapDisplayName: machineArchitecture
attributeId: 1.2.840.113556.1.4.68
attributeSyntax: 2.5.5.9
omSyntax: 10
isSingleValued: FALSE
schemaIdGuid: bf9679af-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.3 Attribute machinePasswordChangeInterval

This attribute is deprecated.

```
cn: Machine-Password-Change-Interval
ldapDisplayName: machinePasswordChangeInterval
attributeId: 1.2.840.113556.1.4.520
attributeSyntax: 2.5.5.16
omSyntax: 65
```

```
isSingleValued: TRUE
schemaIdGuid: c9b6358e-bb38-11d0-afef-0000f80367c1
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: a29b89fe-c7e8-11d0-9bae-00c04fd92ef5
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.4 Attribute machineRole

This attribute specifies the role (domain controller (DC), server, or workstation) for a given machine, as specified in [\[MS-ADTS\]](#).

```
cn: Machine-Role
ldapDisplayName: machineRole
attributeId: 1.2.840.113556.1.4.71
attributeSyntax: 2.5.5.9
omSyntax: 10
isSingleValued: TRUE
schemaIdGuid: bf9679b2-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.5 Attribute machineWidePolicy

For a given Active Directory domain, this attribute specifies the policy to be replicated to the clients. For more information, see [\[MS-GPOL\]](#).

```
cn: Machine-Wide-Policy
ldapDisplayName: machineWidePolicy
attributeId: 1.2.840.113556.1.4.459
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: 80a67e4f-9f22-11d0-afdd-00c04fd930c9
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: a29b8a01-c7e8-11d0-9bae-00c04fd92ef5
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.6 Attribute mail

This attribute specifies the list of e-mail addresses belonging to a contact object in the directory.

```
cn: E-mail-Addresses
ldapDisplayName: mail
attributeId: 0.9.2342.19200300.100.1.3
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: bf967961-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 256
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
mapiID: 14846
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.7 Attribute mailAddress

This attribute specifies the e-mail address to be used by a domain controller (DC) when e-mail-based replication is configured, as specified in [\[MS-SRPL\]](#) section 2.4.2.1.

```
cn: SMTP-Mail-Address
ldapDisplayName: mailAddress
attributeId: 1.2.840.113556.1.4.786
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 26d9736f-6070-11d1-a9c6-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.8 Attribute managedBy

This attribute specifies the user that is assigned to manage this object.

```
cn: Managed-By
ldapDisplayName: managedBy
attributeId: 1.2.840.113556.1.4.653
attributeSyntax: 2.5.5.1
omSyntax: 127
```



```
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 0296c120-40da-11d1-a9c0-0000f80367c1
systemOnly: FALSE
searchFlags: 0
linkID: 72
mapID: 32780
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.9 Attribute managedObjects

This attribute specifies the list of objects that are managed by a user.

```
cn: Managed-Objects
ldapDisplayName: managedObjects
attributeId: 1.2.840.113556.1.4.654
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 0296c124-40da-11d1-a9c0-0000f80367c1
systemOnly: TRUE
searchFlags: 0
linkID: 73
mapID: 32804
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.10 Attribute manager

For user object *a*, this attribute specifies the name of the user who is *a*'s manager.

```
cn: Manager
ldapDisplayName: manager
attributeId: 0.9.2342.19200300.100.1.10
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: bf9679b5-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
linkID: 42
mapID: 32773
isMemberOfPartialAttributeSet: TRUE
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.11 Attribute mAPIID

This attribute specifies an integer used by Messaging Application Program Interface (MAPI) clients to define behavior.

```
cn: MAPI-ID
ldapDisplayName: mAPIID
attributeId: 1.2.840.113556.1.2.49
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: bf9679b7-0de6-11d0-a285-00aa003049e2
systemOnly: TRUE
searchFlags: 0
mapiID: 32974
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.12 Attribute marshalledInterface

This attribute is not used.

```
cn: Marshalled-Interface
ldapDisplayName: marshalledInterface
attributeId: 1.2.840.113556.1.4.72
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: bf9679b9-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.13 Attribute masteredBy

This attribute specifies the distinguished name for the NTDS Settings objects, as specified in [\[MS-ADTS\]](#).

```
cn: Mastered-By
```

```
ldapDisplayName: masteredBy
attributeId: 1.2.840.113556.1.4.1409
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: e48e64e0-12c9-11d3-9102-00c04fd91ab1
systemOnly: TRUE
searchFlags: 0
linkID: 77
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.14 Attribute maxPwdAge

This attribute specifies the maximum amount of time that a password is valid. It is stored as the number of 100-nanosecond intervals from the time the password was set until the password expires.

```
cn: Max-Pwd-Age
ldapDisplayName: maxPwdAge
attributeId: 1.2.840.113556.1.4.74
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679bb-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: c7407360-20bf-11d0-a768-00aa006e0529
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.15 Attribute maxRenewAge

This attribute specifies the time period (in days) during which a user's ticket-granting ticket (TGT) can be renewed for the purposes of Kerberos authentication, as specified in [\[MS-KILE\]](#) section 1.3.2.

```
cn: Max-Renew-Age
ldapDisplayName: maxRenewAge
attributeId: 1.2.840.113556.1.4.75
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679bc-0de6-11d0-a285-00aa003049e2
```

```
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.16 Attribute maxStorage

This attribute specifies the maximum amount of disk space that a given user can consume.

```
cn: Max-Storage
ldapDisplayName: maxStorage
attributeId: 1.2.840.113556.1.4.76
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679bd-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: fCOPY
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.17 Attribute maxTicketAge

This attribute specifies the maximum amount of time (in hours) that a user's ticket-granting ticket (TGT) can be used for the purpose of Kerberos authentication. For more information, see [\[MS-KILE\]](#) section 1.3.2.

```
cn: Max-Ticket-Age
ldapDisplayName: maxTicketAge
attributeId: 1.2.840.113556.1.4.77
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679be-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.18 Attribute mayContain

This attribute specifies the list of optional attributes for a given class object.

```
cn: May-Contain
ldapDisplayName: mayContain
attributeId: 1.2.840.113556.1.2.25
attributeSyntax: 2.5.5.2
omSyntax: 6
isSingleValued: FALSE
schemaIdGuid: bf9679bf-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.19 Attribute meetingAdvertiseScope

For a given meeting object, this attribute specifies whether the data contained should be visible or advertised outside the corporate network.

```
cn: meetingAdvertiseScope
ldapDisplayName: meetingAdvertiseScope
attributeId: 1.2.840.113556.1.4.582
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc8b-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.20 Attribute meetingApplication

For a given meeting object, this attribute specifies the application that can be used to enable Internet meeting services, for example, Microsoft NetMeeting or Microsoft Exchange 2000 Conferencing Server.

```
cn: meetingApplication
ldapDisplayName: meetingApplication
attributeId: 1.2.840.113556.1.4.573
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc83-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
```

```
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.21 Attribute meetingBandwidth

For a given meeting object, this attribute specifies the bandwidth available to conduct that meeting.

```
cn: meetingBandwidth
ldapDisplayName: meetingBandwidth
attributeId: 1.2.840.113556.1.4.589
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: FALSE
schemaIdGuid: 11b6cc92-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.22 Attribute meetingBlob

For a given meeting object, this attribute specifies general information about the meeting. The structure of the contents of this attribute is not constrained by Active Directory and is determined by the application that uses the binary large object (BLOB).

```
cn: meetingBlob
ldapDisplayName: meetingBlob
attributeId: 1.2.840.113556.1.4.590
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 11b6cc93-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.23 Attribute meetingContactInfo

For a given meeting object, this attribute specifies how meeting attendees can attend the meeting by using the contact information specified, for example, a phone number or URL.

```
cn: meetingContactInfo
```

```
ldapDisplayName: meetingContactInfo
attributeId: 1.2.840.113556.1.4.578
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc87-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.24 Attribute meetingDescription

For a given meeting object, this attribute specifies a description of the meeting, for example agenda and attendees.

```
cn: meetingDescription
ldapDisplayName: meetingDescription
attributeId: 1.2.840.113556.1.4.567
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc7e-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.25 Attribute meetingEndTime

For a given meeting object, this attribute specifies the end date and time of a meeting.

```
cn: meetingEndTime
ldapDisplayName: meetingEndTime
attributeId: 1.2.840.113556.1.4.588
attributeSyntax: 2.5.5.11
omSyntax: 23
isSingleValued: FALSE
schemaIdGuid: 11b6cc91-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.26 Attribute meetingID

For a given meeting object, this attribute specifies a numerical ID for the meeting.

```
cn: meetingID
ldapDisplayName: meetingID
attributeId: 1.2.840.113556.1.4.565
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc7c-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.27 Attribute meetingIP

For a given meeting object, this attribute specifies an IP address for the online meeting.

```
cn: meetingIP
ldapDisplayName: meetingIP
attributeId: 1.2.840.113556.1.4.580
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc89-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.28 Attribute meetingIsEncrypted

For a given meeting object, this attribute specifies whether network traffic associated with the meeting is to be encrypted. A value of TRUE indicates that encryption is required.

```
cn: meetingIsEncrypted
ldapDisplayName: meetingIsEncrypted
attributeId: 1.2.840.113556.1.4.585
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc8e-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```


Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.29 Attribute meetingKeyword

For a given meeting object, this attribute specifies a keyword that enables users to search for the meeting.

```
cn: meetingKeyword
ldapDisplayName: meetingKeyword
attributeId: 1.2.840.113556.1.4.568
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc7f-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.30 Attribute meetingLanguage

For a given meeting object, this attribute specifies the language of the meeting.

```
cn: meetingLanguage
ldapDisplayName: meetingLanguage
attributeId: 1.2.840.113556.1.4.574
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc84-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.31 Attribute meetingLocation

For a given meeting object, this attribute specifies the physical location of the meeting.

```
cn: meetingLocation
ldapDisplayName: meetingLocation
attributeId: 1.2.840.113556.1.4.569
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc80-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.32 Attribute meetingMaxParticipants

For a given meeting object, this attribute specifies the maximum number of participants for the meeting.

```
cn: meetingMaxParticipants
ldapDisplayName: meetingMaxParticipants
attributeId: 1.2.840.113556.1.4.576
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 11b6cc85-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.33 Attribute meetingName

For a given meeting object, this attribute specifies the name of the meeting.

```
cn: meetingName
ldapDisplayName: meetingName
attributeId: 1.2.840.113556.1.4.566
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc7d-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.34 Attribute meetingOriginator

For a given meeting object, this attribute specifies the name of the individual who scheduled the meeting.

```
cn: meetingOriginator
ldapDisplayName: meetingOriginator
attributeId: 1.2.840.113556.1.4.577
attributeSyntax: 2.5.5.12
```

```
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc86-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.35 Attribute meetingOwner

For a given meeting object, this attribute specifies the name of the individual who owns the meeting.

```
cn: meetingOwner
ldapDisplayName: meetingOwner
attributeId: 1.2.840.113556.1.4.579
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc88-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.36 Attribute meetingProtocol

For a given meeting object, this attribute specifies the video conferencing protocol(s) to be used for the meeting, for example, H.320 or T.120.

```
cn: meetingProtocol
ldapDisplayName: meetingProtocol
attributeId: 1.2.840.113556.1.4.570
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc81-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.37 Attribute meetingRating

For a given meeting object, this attribute specifies the Platform for Internet Content Selection (PICS) rating for the meeting.

```
cn: meetingRating
ldapDisplayName: meetingRating
attributeId: 1.2.840.113556.1.4.584
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc8d-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.38 Attribute meetingRecurrence

For a given meeting object, this attribute specifies the recurrence parameters for the meeting, for example, "Every weekday, from 6/1/2006 - 6/1/2007". The semantics of this attribute are not determined by Active Directory, but by the application that uses the attribute.

```
cn: meetingRecurrence
ldapDisplayName: meetingRecurrence
attributeId: 1.2.840.113556.1.4.586
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc8f-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.39 Attribute meetingScope

For a given meeting object, this attribute specifies the scope of the meeting, for example, global or local. The semantics of this attribute are not determined by Active Directory, but by the application that uses the attribute.

```
cn: meetingScope
ldapDisplayName: meetingScope
attributeId: 1.2.840.113556.1.4.581
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 11b6cc8a-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.40 Attribute meetingStartTime

For a given meeting object, this attribute specifies the start date and time of the meeting.

```
cn: meetingStartTime
ldapDisplayName: meetingStartTime
attributeId: 1.2.840.113556.1.4.587
attributeSyntax: 2.5.5.11
omSyntax: 23
isSingleValued: FALSE
schemaIdGuid: 11b6cc90-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.41 Attribute meetingType

For a given meeting object, this attribute specifies the type of the meeting. The semantics of this attribute are not determined by Active Directory, but by the application that uses the attribute.

```
cn: meetingType
ldapDisplayName: meetingType
attributeId: 1.2.840.113556.1.4.571
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 11b6cc82-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.42 Attribute meetingURL

For a given meeting object, this attribute specifies the URL for the meeting.

```
cn: meetingURL
ldapDisplayName: meetingURL
attributeId: 1.2.840.113556.1.4.583
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
```

```
schemaIdGuid: 11b6cc8c-48c4-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.43 Attribute member

For a given group object, this attribute specifies the list of users who belong to the group.

```
cn: Member
ldapDisplayName: member
attributeId: 2.5.4.31
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: bf9679c0-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: bc0ac240-79a9-11d0-9020-00c04fc2d4cf
linkID: 2
mapID: 32777
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT |
  FLAG_ATTR_REQ_PARTIAL_SET_MEMBER
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.44 Attribute memberNisNetgroup

For a given group object, this attribute specifies the list of netgroups that are members of this netgroup.

```
cn: MemberNisNetgroup
ldapDisplayName: memberNisNetgroup
attributeId: 1.3.6.1.1.1.1.13
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 0f6a17dc-53e5-4be8-9442-8f3ce2f9012a
systemOnly: FALSE
searchFlags: 0
rangeUpper: 153600
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.45 Attribute memberOf

For a given user or group object, this attribute specifies the distinguished names of the groups to which this object belongs.

```
cn: Is-Member-Of-DL
ldapDisplayName: memberOf
attributeId: 1.2.840.113556.1.2.102
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: bf967991-0de6-11d0-a285-00aa003049e2
systemOnly: TRUE
searchFlags: fCOPY
attributeSecurityGuid: bc0ac240-79a9-11d0-9020-00c04fc2d4cf
linkID: 3
mapIID: 32776
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.46 Attribute memberUid

For a given group object, this attribute specifies the logon names of the members of the group.

```
cn: MemberUid
ldapDisplayName: memberUid
attributeId: 1.3.6.1.1.1.1.12
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 03dab236-672e-4f61-ab64-f77d2dc2ffab
systemOnly: FALSE
searchFlags: 0
rangeUpper: 256000
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.47 Attribute mhsORAddress

For a given user or contact object, this attribute specifies the X.400 address of the individual represented by that object.

```
cn: MHS-OR-Address
ldapDisplayName: mhsORAddress
attributeId: 1.2.840.113556.1.4.650
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
```

```
schemaIdGuid: 0296c122-40da-11d1-a9c0-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.48 Attribute middleName

For a given user or contact object, this attribute specifies the middle name of the individual represented by that object.

```
cn: Other-Name
ldapDisplayName: middleName
attributeId: 2.16.840.1.113730.3.1.34
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: bf9679f2-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 64
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.49 Attribute minPwdAge

For a given security principle, this attribute specifies the minimum amount of time that a password can be used.

```
cn: Min-Pwd-Age
ldapDisplayName: minPwdAge
attributeId: 1.2.840.113556.1.4.78
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679c2-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: c7407360-20bf-11d0-a768-00aa006e0529
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.50 Attribute minPwdLength

For a given security principle, this attribute specifies the minimum number of characters that a password must contain.

```
cn: Min-Pwd-Length
ldapDisplayName: minPwdLength
attributeId: 1.2.840.113556.1.4.79
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: bf9679c3-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: c7407360-20bf-11d0-a768-00aa006e0529
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.51 Attribute minTicketAge

For a given security principle, this attribute specifies the minimum time period (in hours) that a user's ticket-granting ticket (TGT) can be used for Kerberos authentication before a request can be made to renew the ticket, as specified in [\[MS-KILE\]](#) section 1.3.2.

```
cn: Min-Ticket-Age
ldapDisplayName: minTicketAge
attributeId: 1.2.840.113556.1.4.80
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679c4-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.52 Attribute mobile

For a given user or contact object, this attribute specifies the primary mobile phone number of the individual represented by that object.

```
cn: Phone-Mobile-Primary
ldapDisplayName: mobile
attributeId: 0.9.2342.19200300.100.1.41
```

```
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f0f8ffa3-1191-11d0-a060-00aa006c33ed
systemOnly: FALSE
searchFlags: 0
rangeLower: 1
rangeUpper: 64
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
mapiID: 14876
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.53 Attribute modifiedCount

This attribute specifies the NetLogon change log serial number, as specified in [\[MS-ADTS\]](#) section 7.3.

```
cn: Modified-Count
ldapDisplayName: modifiedCount
attributeId: 1.2.840.113556.1.4.168
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679c5-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: b8119fd0-04f6-4762-ab7a-4986c76b3f9a
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

In Windows 2000 Server, attribute attributeSecurityGuid is not defined.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.54 Attribute modifiedCountAtLastProm

This attribute specifies the NetLogon change log serial number at the last update, as specified in [\[MS-ADTS\]](#) section 7.3.

```
cn: Modified-Count-At-Last-Prom
ldapDisplayName: modifiedCountAtLastProm
attributeId: 1.2.840.113556.1.4.81
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: bf9679c6-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.55 Attribute modifyTimeStamp

For a given object, this attribute specifies the date when that object was last changed.

```
cn: Modify-Time-Stamp
ldapDisplayName: modifyTimeStamp
attributeId: 2.5.18.2
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: TRUE
schemaIdGuid: 9a7ad94a-ca53-11d1-bbd0-0080c76670c0
systemOnly: TRUE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.56 Attribute moniker

For a given Component Object Model (COM) object, this attribute specifies the name or path location for that COM object.

```
cn: Moniker
ldapDisplayName: moniker
attributeId: 1.2.840.113556.1.4.82
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: bf9679c7-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.57 Attribute monikerDisplayName

For a given COM object, this attribute specifies the display name of that COM object.

```
cn: Moniker-Display-Name
ldapDisplayName: monikerDisplayName
attributeId: 1.2.840.113556.1.4.83
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: bf9679c8-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.58 Attribute moveTreeState

For a given directory tree, this attribute specifies state information for a directory tree that is being moved, as specified in [\[MS-ADTS\]](#).

```
cn: Move-Tree-State
ldapDisplayName: moveTreeState
attributeId: 1.2.840.113556.1.4.1305
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: 1f2ac2c8-3b71-11d2-90cc-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.59 Attribute mS-DS-ConsistencyChildCount

For a given pair of objects, this attribute specifies the count of the respective child objects, as specified in [\[MS-ADTS\]](#).

```
cn: MS-DS-Consistency-Child-Count
ldapDisplayName: mS-DS-ConsistencyChildCount
attributeId: 1.2.840.113556.1.4.1361
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 178b7bc2-b63a-11d2-90e1-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.60 Attribute mS-DS-ConsistencyGuid

For a given pair of objects, this attribute specifies the GUIDs, as specified in [\[MS-ADTS\]](#).

```
cn: MS-DS-Consistency-Guid
ldapDisplayName: mS-DS-ConsistencyGuid
attributeId: 1.2.840.113556.1.4.1360
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 23773dc2-b63a-11d2-90e1-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.61 Attribute mS-DS-CreatorSID

For a given object, this attribute specifies the security identifier (SID) of the account that created the object.

```
cn: MS-DS-Creator-SID
ldapDisplayName: mS-DS-CreatorSID
attributeId: 1.2.840.113556.1.4.1410
attributeSyntax: 2.5.5.17
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: c5e60132-1480-11d3-91c1-0000f87a57d4
systemOnly: TRUE
searchFlags: fATTINDEX
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.62 Attribute ms-DS-MachineAccountQuota

For a given security principle, this attribute specifies, the quota of machine accounts that can be allocated, as specified in [\[MS-ADTS\]](#) section 7.1.1.4.

```
cn: MS-DS-Machine-Account-Quota
ldapDisplayName: ms-DS-MachineAccountQuota
attributeId: 1.2.840.113556.1.4.1411
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d064fb68-1480-11d3-91c1-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.63 Attribute mS-DS-ReplicatesNCReason

This attribute specifies the ntdsConnection object that indicates the connection as used by the Knowledge Consistency Checker (KCC) in the replication topology, as specified in [\[MS-ADTS\]](#) section 7.2.

```
cn: MS-DS-Replicates-NC-Reason
ldapDisplayName: mS-DS-ReplicatesNCReason
attributeId: 1.2.840.113556.1.4.1408
attributeSyntax: 2.5.5.7
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.11
isSingleValued: FALSE
schemaIdGuid: 0ea12b84-08b3-11d3-91bc-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.64 Attribute ms-net-ieee-80211-GP-PolicyData

This attribute contains all the settings and data that comprise a group policy configuration for 802.11 wireless networks.

```
cn: ms-net-ieee-80211-GP-PolicyData
ldapDisplayName: ms-net-ieee-80211-GP-PolicyData
attributeId: 1.2.840.113556.1.4.1952
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 9c1495a5-4d76-468e-991e-1433b0a67855
systemOnly: FALSE
searchFlags: 0
rangeUpper: 4194304
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.65 Attribute ms-net-ieee-80211-GP-PolicyGUID

This attribute contains a GUID that identifies a specific 802.11 group policy object on the domain.

```
cn: ms-net-ieee-80211-GP-PolicyGUID
ldapDisplayName: ms-net-ieee-80211-GP-PolicyGUID
attributeId: 1.2.840.113556.1.4.1951
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 35697062-1eaf-448b-ac1e-388e0be4fdee
systemOnly: FALSE
searchFlags: 0
rangeUpper: 64
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.66 Attribute ms-net-ieee-80211-GP-PolicyReserved

This attribute is reserved for future use.

```
cn: ms-net-ieee-80211-GP-PolicyReserved
ldapDisplayName: ms-net-ieee-80211-GP-PolicyReserved
attributeId: 1.2.840.113556.1.4.1953
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 0f69c62e-088e-4ff5-a53a-e923cec07c0a
systemOnly: FALSE
searchFlags: 0
rangeUpper: 4194304
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.67 Attribute ms-net-ieee-8023-GP-PolicyData

This attribute contains all the settings and data that comprise a group policy configuration for 802.3 wired networks.

```
cn: ms-net-ieee-8023-GP-PolicyData
ldapDisplayName: ms-net-ieee-8023-GP-PolicyData
attributeId: 1.2.840.113556.1.4.1955
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 8398948b-7457-4d91-bd4d-8d7ed669c9f7
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1048576
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.68 Attribute ms-net-ieee-8023-GP-PolicyGUID

This attribute contains a GUID that identifies a specific 802.3 group policy object on the domain.

```
cn: ms-net-ieee-8023-GP-PolicyGUID
ldapDisplayName: ms-net-ieee-8023-GP-PolicyGUID
attributeId: 1.2.840.113556.1.4.1954
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 94a7b05a-b8b2-4f59-9c25-39e69baa1684
systemOnly: FALSE
searchFlags: 0
rangeUpper: 64
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.69 Attribute ms-net-ieee-8023-GP-PolicyReserved

This attribute is reserved for future use.

```
cn: ms-net-ieee-8023-GP-PolicyReserved
ldapDisplayName: ms-net-ieee-8023-GP-PolicyReserved
attributeId: 1.2.840.113556.1.4.1956
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: d3c527c7-2606-4deb-8cfd-18426feec8ce
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1048576
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.70 Attribute mS-SQL-Alias

This attribute is not used.

```
cn: MS-SQL-Alias
ldapDisplayName: mS-SQL-Alias
attributeId: 1.2.840.113556.1.4.1395
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: e0c6baae-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: fATTINDEX
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```


Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.71 Attribute mS-SQL-AllowAnonymousSubscription

This attribute is not used.

```
cn: MS-SQL-AllowAnonymousSubscription
ldapDisplayName: mS-SQL-AllowAnonymousSubscription
attributeId: 1.2.840.113556.1.4.1394
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: db77be4a-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.72 Attribute mS-SQL-AllowImmediateUpdatingSubscription

This attribute is not used.

```
cn: MS-SQL-AllowImmediateUpdatingSubscription
ldapDisplayName: mS-SQL-AllowImmediateUpdatingSubscription
attributeId: 1.2.840.113556.1.4.1404
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: c4186b6e-d34b-11d2-999a-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.73 Attribute mS-SQL-AllowKnownPullSubscription

This attribute is not used.

```
cn: MS-SQL-AllowKnownPullSubscription
ldapDisplayName: mS-SQL-AllowKnownPullSubscription
attributeId: 1.2.840.113556.1.4.1403
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: c3bb7054-d34b-11d2-999a-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.74 Attribute mS-SQL-AllowQueuedUpdatingSubscription

This attribute is not used.

```
cn: MS-SQL-AllowQueuedUpdatingSubscription
ldapDisplayName: mS-SQL-AllowQueuedUpdatingSubscription
attributeId: 1.2.840.113556.1.4.1405
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: c458ca80-d34b-11d2-999a-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.75 Attribute mS-SQL-AllowSnapshotFilesFTPDownloading

This attribute is not used.

```
cn: MS-SQL-AllowSnapshotFilesFTPDownloading
ldapDisplayName: mS-SQL-AllowSnapshotFilesFTPDownloading
attributeId: 1.2.840.113556.1.4.1406
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: c49b8be8-d34b-11d2-999a-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.76 Attribute mS-SQL-AppleTalk

This attribute is not used.

```
cn: MS-SQL-AppleTalk
ldapDisplayName: mS-SQL-AppleTalk
attributeId: 1.2.840.113556.1.4.1378
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 8fda89f4-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.77 Attribute mS-SQL-Applications

This attribute is not used.

```
cn: MS-SQL-Applications
ldapDisplayName: mS-SQL-Applications
attributeId: 1.2.840.113556.1.4.1400
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: fbcda2ea-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.78 Attribute mS-SQL-Build

This attribute is not used.

```
cn: MS-SQL-Build
ldapDisplayName: mS-SQL-Build
attributeId: 1.2.840.113556.1.4.1368
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 603e94c4-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.79 Attribute mS-SQL-CharacterSet

This attribute is not used.

```
cn: MS-SQL-CharacterSet
ldapDisplayName: mS-SQL-CharacterSet
attributeId: 1.2.840.113556.1.4.1370
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 696177a6-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.80 Attribute mS-SQL-Clustered

This attribute is not used.

```
cn: MS-SQL-Clustered
ldapDisplayName: mS-SQL-Clustered
attributeId: 1.2.840.113556.1.4.1373
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 7778bd90-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.81 Attribute mS-SQL-ConnectionURL

This attribute is not used.

```
cn: MS-SQL-ConnectionURL
ldapDisplayName: mS-SQL-ConnectionURL
attributeId: 1.2.840.113556.1.4.1383
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a92d23da-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.82 Attribute mS-SQL-Contact

This attribute is not used.

```
cn: MS-SQL-Contact
ldapDisplayName: mS-SQL-Contact
attributeId: 1.2.840.113556.1.4.1365
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 4f6cbdd8-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.83 Attribute mS-SQL-CreationDate

This attribute is not used.

```
cn: MS-SQL-CreationDate
ldapDisplayName: mS-SQL-CreationDate
attributeId: 1.2.840.113556.1.4.1397
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: ede14754-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.84 Attribute mS-SQL-Database

This attribute is not used.

```
cn: MS-SQL-Database
ldapDisplayName: mS-SQL-Database
attributeId: 1.2.840.113556.1.4.1393
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: d5a0dbdc-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: fATTINDEX
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.85 Attribute mS-SQL-Description

This attribute is not used.

```
cn: MS-SQL-Description
ldapDisplayName: mS-SQL-Description
attributeId: 1.2.840.113556.1.4.1390
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 8386603c-ccef-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
```

systemFlags: FLAG_SCHEMA_BASE_OBJECT

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.86 Attribute mS-SQL-GPSHeight

This attribute is not used.

```
cn: MS-SQL-GPSHeight
ldapDisplayName: mS-SQL-GPSHeight
attributeId: 1.2.840.113556.1.4.1387
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: bcdd4f0e-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.87 Attribute mS-SQL-GPSLatitude

This attribute is not used.

```
cn: MS-SQL-GPSLatitude
ldapDisplayName: mS-SQL-GPSLatitude
attributeId: 1.2.840.113556.1.4.1385
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: b222ba0e-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.88 Attribute mS-SQL-GPSLongitude

This attribute is not used.

```
cn: MS-SQL-GPSLongitude
ldapDisplayName: mS-SQL-GPSLongitude
attributeId: 1.2.840.113556.1.4.1386
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: b7577c94-ccee-11d2-9993-0000f87a57d4
```

```
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.89 Attribute mS-SQL-InformationDirectory

This attribute is not used.

```
cn: MS-SQL-InformationDirectory
ldapDisplayName: mS-SQL-InformationDirectory
attributeId: 1.2.840.113556.1.4.1392
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: d0aedb2e-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.90 Attribute mS-SQL-InformationURL

This attribute is not used.

```
cn: MS-SQL-InformationURL
ldapDisplayName: mS-SQL-InformationURL
attributeId: 1.2.840.113556.1.4.1382
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a42cd510-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.91 Attribute mS-SQL-Keywords

This attribute is not used.

```
cn: MS-SQL-Keywords
ldapDisplayName: mS-SQL-Keywords
attributeId: 1.2.840.113556.1.4.1401
attributeSyntax: 2.5.5.12
omSyntax: 64
```

```
isSingleValued: FALSE
schemaIdGuid: 01e9a98a-ccef-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.92 Attribute mS-SQL-Language

This attribute is not used.

```
cn: MS-SQL-Language
ldapDisplayName: mS-SQL-Language
attributeId: 1.2.840.113556.1.4.1389
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: c57f72f4-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.93 Attribute mS-SQL-LastBackupDate

This attribute is not used.

```
cn: MS-SQL-LastBackupDate
ldapDisplayName: mS-SQL-LastBackupDate
attributeId: 1.2.840.113556.1.4.1398
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f2b6abca-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.94 Attribute mS-SQL-LastDiagnosticDate

This attribute is not used.

```
cn: MS-SQL-LastDiagnosticDate
ldapDisplayName: mS-SQL-LastDiagnosticDate
attributeId: 1.2.840.113556.1.4.1399
```



```
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f6d6dd88-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.95 Attribute mS-SQL-LastUpdatedDate

This attribute is not used.

```
cn: MS-SQL-LastUpdatedDate
ldapDisplayName: mS-SQL-LastUpdatedDate
attributeId: 1.2.840.113556.1.4.1381
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 9fcc43d4-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.96 Attribute mS-SQL-Location

This attribute is not used.

```
cn: MS-SQL-Location
ldapDisplayName: mS-SQL-Location
attributeId: 1.2.840.113556.1.4.1366
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 561c9644-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.97 Attribute mS-SQL-Memory

This attribute is not used.

```
cn: MS-SQL-Memory
```

```
ldapDisplayName: mS-SQL-Memory
attributeId: 1.2.840.113556.1.4.1367
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 5b5d448c-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.98 Attribute mS-SQL-MultiProtocol

This attribute is not used.

```
cn: MS-SQL-MultiProtocol
ldapDisplayName: mS-SQL-MultiProtocol
attributeId: 1.2.840.113556.1.4.1375
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 8157fa38-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.99 Attribute mS-SQL-Name

This attribute is not used.

```
cn: MS-SQL-Name
ldapDisplayName: mS-SQL-Name
attributeId: 1.2.840.113556.1.4.1363
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 3532dfd8-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: fATTINDEX
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.100 Attribute mS-SQL-NamedPipe

This attribute is not used.

```
cn: MS-SQL-NamedPipe
ldapDisplayName: mS-SQL-NamedPipe
attributeId: 1.2.840.113556.1.4.1374
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 7b91c840-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.101 Attribute mS-SQL-PublicationURL

This attribute is not used.

```
cn: MS-SQL-PublicationURL
ldapDisplayName: mS-SQL-PublicationURL
attributeId: 1.2.840.113556.1.4.1384
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: ae0c11b8-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.102 Attribute mS-SQL-Publisher

This attribute is not used.

```
cn: MS-SQL-Publisher
ldapDisplayName: mS-SQL-Publisher
attributeId: 1.2.840.113556.1.4.1402
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: c1676858-d34b-11d2-999a-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.103 Attribute mS-SQL-RegisteredOwner

This attribute is not used.

```
cn: MS-SQL-RegisteredOwner
ldapDisplayName: mS-SQL-RegisteredOwner
attributeId: 1.2.840.113556.1.4.1364
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 48fd44ea-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.104 Attribute mS-SQL-ServiceAccount

This attribute is not used.

```
cn: MS-SQL-ServiceAccount
ldapDisplayName: mS-SQL-ServiceAccount
attributeId: 1.2.840.113556.1.4.1369
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 64933a3e-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.105 Attribute mS-SQL-Size

This attribute is not used.

```
cn: MS-SQL-Size
ldapDisplayName: mS-SQL-Size
attributeId: 1.2.840.113556.1.4.1396
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: e9098084-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.106 Attribute mS-SQL-SortOrder

This attribute is not used.

```
cn: MS-SQL-SortOrder
ldapDisplayName: mS-SQL-SortOrder
attributeId: 1.2.840.113556.1.4.1371
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 6ddc42c0-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.107 Attribute mS-SQL-SPX

This attribute is not used.

```
cn: MS-SQL-SPX
ldapDisplayName: mS-SQL-SPX
attributeId: 1.2.840.113556.1.4.1376
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 86b08004-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.108 Attribute mS-SQL-Status

This attribute is not used.

```
cn: MS-SQL-Status
ldapDisplayName: mS-SQL-Status
attributeId: 1.2.840.113556.1.4.1380
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 9a7d4770-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.109 Attribute mS-SQL-TCPIP

This attribute is not used.

```
cn: MS-SQL-TCPIP
ldapDisplayName: mS-SQL-TCPIP
attributeId: 1.2.840.113556.1.4.1377
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 8ac263a6-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.110 Attribute mS-SQL-ThirdParty

This attribute is not used.

```
cn: MS-SQL-ThirdParty
ldapDisplayName: mS-SQL-ThirdParty
attributeId: 1.2.840.113556.1.4.1407
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: c4e311fc-d34b-11d2-999a-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.111 Attribute mS-SQL-Type

This attribute is not used.

```
cn: MS-SQL-Type
ldapDisplayName: mS-SQL-Type
attributeId: 1.2.840.113556.1.4.1391
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: ca48eba8-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.112 Attribute mS-SQL-UnicodeSortOrder

This attribute is not used.

```
cn: MS-SQL-UnicodeSortOrder
ldapDisplayName: mS-SQL-UnicodeSortOrder
attributeId: 1.2.840.113556.1.4.1372
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 72dc918a-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.113 Attribute mS-SQL-Version

This attribute is not used.

```
cn: MS-SQL-Version
ldapDisplayName: mS-SQL-Version
attributeId: 1.2.840.113556.1.4.1388
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: c07cc1d0-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: fATTINDEX
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.114 Attribute mS-SQL-Vines

This attribute is not used.

```
cn: MS-SQL-Vines
ldapDisplayName: mS-SQL-Vines
attributeId: 1.2.840.113556.1.4.1379
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 94c56394-ccee-11d2-9993-0000f87a57d4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.115 Attribute msCOM-DefaultPartitionLink

This attribute is not used.

```
cn: ms-COM-DefaultPartitionLink
ldapDisplayName: msCOM-DefaultPartitionLink
attributeId: 1.2.840.113556.1.4.1427
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 998b10f7-aa1a-4364-b867-753d197fe670
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.116 Attribute msCOM-ObjectId

This attribute is not used.

```
cn: ms-COM-ObjectId
ldapDisplayName: msCOM-ObjectId
attributeId: 1.2.840.113556.1.4.1428
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 430f678b-889f-41f2-9843-203b5a65572f
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.117 Attribute msCOM-PartitionLink

This attribute is not used.

```
cn: ms-COM-PartitionLink
ldapDisplayName: msCOM-PartitionLink
attributeId: 1.2.840.113556.1.4.1423
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 09abac62-043f-4702-ac2b-6ca15eee5754
systemOnly: FALSE
searchFlags: 0
linkID: 1040
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```


Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.118 Attribute msCOM-PartitionSetLink

This attribute is not used.

```
cn: ms-COM-PartitionSetLink
ldapDisplayName: msCOM-PartitionSetLink
attributeId: 1.2.840.113556.1.4.1424
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 67f121dc-7d02-4c7d-82f5-9ad4c950ac34
systemOnly: TRUE
searchFlags: 0
linkID: 1041
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.119 Attribute msCOM-UserLink

This attribute is not used.

```
cn: ms-COM-UserLink
ldapDisplayName: msCOM-UserLink
attributeId: 1.2.840.113556.1.4.1425
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 9e6f3a4d-242c-4f37-b068-36b57f9fc852
systemOnly: TRUE
searchFlags: 0
linkID: 1049
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.120 Attribute msCOM-UserPartitionSetLink

This attribute is not used.

```
cn: ms-COM-UserPartitionSetLink
ldapDisplayName: msCOM-UserPartitionSetLink
attributeId: 1.2.840.113556.1.4.1426
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
```

```
schemaIdGuid: 8e940c8a-e477-4367-b08d-ff2ff942dcd7
systemOnly: FALSE
searchFlags: 0
linkID: 1048
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.121 Attribute mscopeId

For a given computer object that is a Dynamic Host Configuration Protocol (DHCP) server, this attribute specifies that there is a multicast scope on the DHCP server represented by that object.

```
cn: Mscope-Id
ldapDisplayName: mscopeId
attributeId: 1.2.840.113556.1.4.716
attributeSyntax: 2.5.5.5
omSyntax: 19
isSingleValued: TRUE
schemaIdGuid: 963d2751-48be-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.122 Attribute msDFS-Commentv2

Comment associated with DFS root/link.

```
cn: ms-DFS-Comment-v2
ldapDisplayName: msDFS-Commentv2
attributeId: 1.2.840.113556.1.4.2036
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 4fb42f00-29bd-4f82-b94b-07c7fa61e449
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32766
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.123 Attribute msDFS-GenerationGUIDv2

This attribute is updated each time the entry that contains this attribute is modified.

```
cn: ms-DFS-Generation-GUID-v2
ldapDisplayName: msDFS-GenerationGUIDv2
```

```
attributeId: 1.2.840.113556.1.4.2032
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 62a45d41-424c-4905-b728-e5ef1fc4fe42
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 16
rangeUpper: 16
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.124 Attribute msDFS-LastModifiedv2

This attribute is updated on each write to the entry that contains the attribute.

```
cn: ms-DFS-Last-Modified-v2
ldapDisplayName: msDFS-LastModifiedv2
attributeId: 1.2.840.113556.1.4.2034
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: TRUE
schemaIdGuid: d6147e9b-b369-4b98-9f7b-1f345bb0680a
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.125 Attribute msDFS-LinkIdentityGUIDv2

This attribute is set only when the link is created.

```
cn: ms-DFS-Link-Identity-GUID-v2
ldapDisplayName: msDFS-LinkIdentityGUIDv2
attributeId: 1.2.840.113556.1.4.2041
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 19e2bd91-e8fa-49b2-be2b-7efd5ae5676d
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 16
rangeUpper: 16
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.126 Attribute msDFS-LinkPathv2

This attribute specifies the DFS link path relative to the DFS root target share.

```
cn: ms-DFS-Link-Path-v2
ldapDisplayName: msDFS-LinkPathv2
```

```
attributeId: 1.2.840.113556.1.4.2039
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5882bb1e-3101-4845-a21e-1516e59279f2
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32766
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.127 Attribute msDFS-LinkSecurityDescriptorv2

A security descriptor of the DFS link's reparse point on the file system.

```
cn: ms-DFS-Link-Security-Descriptor-v2
ldapDisplayName: msDFS-LinkSecurityDescriptorv2
attributeId: 1.2.840.113556.1.4.2040
attributeSyntax: 2.5.5.15
omSyntax: 66
isSingleValued: TRUE
schemaIdGuid: d780b945-3caa-4d28-975b-eb3f08e455e1
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.128 Attribute msDFS-NamespaceIdentityGUIDv2

This attribute specifies the full path of the common staging directory.

```
cn: ms-DFS-Namespace-Identity-GUID-v2
ldapDisplayName: msDFS-NamespaceIdentityGUIDv2
attributeId: 1.2.840.113556.1.4.2033
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 87011f22-e651-4c27-b55b-51daf9f9d364
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 16
rangeUpper: 16
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.129 Attribute msDFS-Propertiesv2

Properties associated with DFS root/link.

```
cn: ms-DFS-Properties-v2
ldapDisplayName: msDFS-Propertiesv2
```

```
attributeId: 1.2.840.113556.1.4.2037
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 1c070014-ebf6-4088-95b4-28b16cc31241
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.130 Attribute msDFS-SchemaMajorVersion

Major version of the schema of DFS metadata.

```
cn: ms-DFS-Schema-Major-Version
ldapDisplayName: msDFS-SchemaMajorVersion
attributeId: 1.2.840.113556.1.4.2030
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 2bcf447b-39d8-4ee8-909a-bb0755cc2f8d
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 2
rangeUpper: 2
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.131 Attribute msDFS-SchemaMinorVersion

Minor version of the schema of DFS metadata.

```
cn: ms-DFS-Schema-Minor-Version
ldapDisplayName: msDFS-SchemaMinorVersion
attributeId: 1.2.840.113556.1.4.2031
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d1e1dafb-8559-4519-866e-89e775557b9c
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.132 Attribute msDFS-ShortNameLinkPathv2

The short name DFS link path relative to the DFS root target share.

```
cn: ms-DFS-Short-Name-Link-Path-v2
ldapDisplayName: msDFS-ShortNameLinkPathv2
attributeId: 1.2.840.113556.1.4.2042
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 52bfc673-9713-4e9b-aafd-56ee72fd16a4
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32766
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.133 Attribute msDFS-TargetListv2

Targets corresponding to DFS root/link.

```
cn: ms-DFS-Target-List-v2
ldapDisplayName: msDFS-TargetListv2
attributeId: 1.2.840.113556.1.4.2038
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9649b643-59a7-4791-999d-79100cf871d7
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 2097152
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.134 Attribute msDFS-Ttlv2

The TTL associated with DFS root/link. This attribute is used at DFS referral time.

```
cn: ms-DFS-Ttl-v2
ldapDisplayName: msDFS-Ttlv2
attributeId: 1.2.840.113556.1.4.2035
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 81ee1500-467e-4c83-a41a-295d12bdcc23
isMemberOfPartialAttributeSet: FALSE
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.135 Attribute msDFSR-CachePolicy

This attribute specifies on-demand cache policy options.

```
cn: ms-DFSR-CachePolicy
ldapDisplayName: msDFSR-CachePolicy
attributeId: 1.2.840.113556.1.6.13.3.29
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: db7a08e7-fc76-4569-a45f-f5ecb66a88b5
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.136 Attribute msDFSR-CommonStagingPath

This attribute specifies the full path of the common staging directory.

```
cn: ms-DFSR-CommonStagingPath
ldapDisplayName: msDFSR-CommonStagingPath
attributeId: 1.2.840.113556.1.6.13.3.38
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 936eac41-d257-4bb9-bd55-f310a3cf09ad
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.137 Attribute msDFSR-CommonStagingSizeInMb

This attribute specifies the size (in megabytes) of the common staging directory.

```
cn: ms-DFSR-CommonStagingSizeInMb
ldapDisplayName: msDFSR-CommonStagingSizeInMb
attributeId: 1.2.840.113556.1.6.13.3.39
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 135eb00e-4846-458b-8ea2-a37559afd405
searchFlags: 0
rangeLower: 0
rangeUpper: -1
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.138 Attribute msDFSR-ComputerReference

This attribute specifies a value used to indicate a reference to a computer by the Distributed File System Replication Protocol, as specified in [MS-FRS2].

```
cn: ms-DFSR-ComputerReference
ldapDisplayName: msDFSR-ComputerReference
```

```
attributeId: 1.2.840.113556.1.6.13.3.101
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 6c7b5785-3d21-41bf-8a8a-627941544d5a
searchFlags: 0
linkID: 2050
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.139 Attribute msDFSR-ComputerReferenceBL

This attribute specifies a value used to indicate a back reference from a computer by the Distributed File System Replication Protocol, as specified in [MS-FRS2].

```
cn: ms-DFSR-ComputerReferenceBL
ldapDisplayName: msDFSR-ComputerReferenceBL
attributeId: 1.2.840.113556.1.6.13.3.103
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 5eb526d7-d71b-44ae-8cc6-95460052e6ac
searchFlags: 0
linkID: 2051
systemFlags: FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.140 Attribute msDFSR-ConflictPath

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-ConflictPath
ldapDisplayName: msDFSR-ConflictPath
attributeId: 1.2.840.113556.1.6.13.3.7
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5cf0bcc8-60f7-4bfff-bda6-aea0344eb151
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.141 Attribute msDFSR-ConflictSizeInMb

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.


```
cn: ms-DFSR-ConflictSizeInMb
ldapDisplayName: msDFSR-ConflictSizeInMb
attributeId: 1.2.840.113556.1.6.13.3.8
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 9ad33fc9-aacf-4299-bb3e-d1fc6ea88e49
searchFlags: 0
rangeLower: 0
rangeUpper: -1
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.142 Attribute msDFSR-ContentSetGuid

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-ContentSetGuid
ldapDisplayName: msDFSR-ContentSetGuid
attributeId: 1.2.840.113556.1.6.13.3.18
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 1035a8e1-67a8-4c21-b7bb-031cdf99d7a0
searchFlags: 0
rangeLower: 16
rangeUpper: 16
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.143 Attribute msDFSR-DefaultCompressionExclusionFilter

This attribute specifies a filter string containing extensions of file types not to be compressed.

```
cn: ms-DFSR-DefaultCompressionExclusionFilter
ldapDisplayName: msDFSR-DefaultCompressionExclusionFilter
attributeId: 1.2.840.113556.1.6.13.3.34
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 87811bd5-cd8b-45cb-9f5d-980f3a9e0c97
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.144 Attribute msDFSR-DeletedPath

This attribute specifies the full path of the Deleted directory.

```
cn: ms-DFSR-DeletedPath
ldapDisplayName: msDFSR-DeletedPath
attributeId: 1.2.840.113556.1.6.13.3.26
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 817cf0b8-db95-4914-b833-5a079ef65764
searchFlags: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.145 Attribute msDFSR-DeletedSizeInMb

This attribute specifies the size (in megabytes) of the Deleted directory.

```
cn: ms-DFSR-DeletedSizeInMb
ldapDisplayName: msDFSR-DeletedSizeInMb
attributeId: 1.2.840.113556.1.6.13.3.27
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 53ed9ad1-9975-41f4-83f5-0c061a12553a
searchFlags: 0
rangeUpper: -1
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.146 Attribute msDFSR-DfsLinkTarget

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-DfsLinkTarget
ldapDisplayName: msDFSR-DfsLinkTarget
attributeId: 1.2.840.113556.1.6.13.3.24
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f7b85ba9-3bf9-428f-aab4-2eee6d56f063
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.147 Attribute msDFSR-DfsPath

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-DfsPath
```

```
ldapDisplayName: msDFSR-DfsPath
attributeId: 1.2.840.113556.1.6.13.3.21
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 2cc903e2-398c-443b-ac86-ff6b01eac7ba
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.148 Attribute msDFSR-DirectoryFilter

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-DirectoryFilter
ldapDisplayName: msDFSR-DirectoryFilter
attributeId: 1.2.840.113556.1.6.13.3.13
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 93c7b477-1f2e-4b40-b7bf-007e8d038ccf
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.149 Attribute msDFSR-DisablePacketPrivacy

This attribute disables packet privacy on a connection.

```
cn: ms-DFSR-DisablePacketPrivacy
ldapDisplayName: msDFSR-DisablePacketPrivacy
attributeId: 1.2.840.113556.1.6.13.3.32
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 6a84ede5-741e-43fd-9dd6-aa0f61578621
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.150 Attribute msDFSR-Enabled

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Enabled
ldapDisplayName: msDFSR-Enabled
```

```
attributeId: 1.2.840.113556.1.6.13.3.9
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 03726ae7-8e7d-4446-8aae-a91657c00993
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.151 Attribute msDFSR-Extension

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Extension
ldapDisplayName: msDFSR-Extension
attributeId: 1.2.840.113556.1.6.13.3.2
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 78f011ec-a766-4b19-adcf-7b81ed781a4d
searchFlags: 0
rangeLower: 0
rangeUpper: 65536
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.152 Attribute msDFSR-FileFilter

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-FileFilter
ldapDisplayName: msDFSR-FileFilter
attributeId: 1.2.840.113556.1.6.13.3.12
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: d68270ac-a5dc-4841-a6ac-cd68be38c181
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.153 Attribute msDFSR-Flags

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Flags
ldapDisplayName: msDFSR-Flags
```

```
attributeId: 1.2.840.113556.1.6.13.3.16
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: fe515695-3f61-45c8-9bfa-19c148c57b09
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.154 Attribute msDFSR-Keywords

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Keywords
ldapDisplayName: msDFSR-Keywords
attributeId: 1.2.840.113556.1.6.13.3.15
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 048b4692-6227-4b67-a074-c4437083e14b
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.155 Attribute msDFSR-MaxAgeInCacheInMin

This attribute specifies the maximum time (in minutes) to keep files in full form.

```
cn: ms-DFSR-MaxAgeInCacheInMin
ldapDisplayName: msDFSR-MaxAgeInCacheInMin
attributeId: 1.2.840.113556.1.6.13.3.31
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 2ab0e48d-ac4e-4afc-83e5-a34240db6198
searchFlags: 0
rangeUpper: 2147483647
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.156 Attribute msDFSR-MemberReference

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-MemberReference
ldapDisplayName: msDFSR-MemberReference
attributeId: 1.2.840.113556.1.6.13.3.100
attributeSyntax: 2.5.5.1
```

```
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 261337aa-f1c3-44b2-bbea-c88d49e6f0c7
searchFlags: 0
linkID: 2052
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.157 Attribute msDFSR-MemberReferenceBL

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-MemberReferenceBL
ldapDisplayName: msDFSR-MemberReferenceBL
attributeId: 1.2.840.113556.1.6.13.3.102
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: adde62c6-1880-41ed-bd3c-30b7d25e14f0
searchFlags: 0
linkID: 2053
systemFlags: FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.158 Attribute msDFSR-MinDurationCacheInMin

This attribute specifies the minimum time (in minutes) before truncating files.

```
cn: ms-DFSR-MinDurationCacheInMin
ldapDisplayName: msDFSR-MinDurationCacheInMin
attributeId: 1.2.840.113556.1.6.13.3.30
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 4c5d607a-ce49-444a-9862-82a95f5d1fcc
searchFlags: 0
rangeUpper: 2147483647
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.159 Attribute msDFSR-OnDemandExclusionDirectoryFilter

This attribute specifies the filter string applied to on-demand replication directories.

```
cn: ms-DFSR-OnDemandExclusionDirectoryFilter
ldapDisplayName: msDFSR-OnDemandExclusionDirectoryFilter
attributeId: 1.2.840.113556.1.6.13.3.36
attributeSyntax: 2.5.5.12
```

```
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 7d523aff-9012-49b2-9925-f922a0018656
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.160 Attribute msDFSR-OnDemandExclusionFileFilter

This attribute specifies the filter string applied to on-demand replication files.

```
cn: ms-DFSR-OnDemandExclusionFileFilter
ldapDisplayName: msDFSR-OnDemandExclusionFileFilter
attributeId: 1.2.840.113556.1.6.13.3.35
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a68359dc-a581-4ee6-9015-5382c60f0fb4
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.161 Attribute msDFSR-Options

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Options
ldapDisplayName: msDFSR-Options
attributeId: 1.2.840.113556.1.6.13.3.17
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d6d67084-c720-417d-8647-b696237a114c
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.162 Attribute msDFSR-Options2

Object Options2.

```
cn: ms-DFSR-Options2
ldapDisplayName: msDFSR-Options2
attributeId: 1.2.840.113556.1.6.13.3.37
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
```

```
schemaIdGuid: 11e24318-4ca6-4f49-9afe-e5eb1afa3473
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.163 Attribute msDFSR-Priority

Priority level.

```
cn: ms-DFSR-Priority
ldapDisplayName: msDFSR-Priority
attributeId: 1.2.840.113556.1.6.13.3.25
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: eb20e7d6-32ad-42de-b141-16ad2631b01b
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.164 Attribute msDFSR-RdcEnabled

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-RdcEnabled
ldapDisplayName: msDFSR-RdcEnabled
attributeId: 1.2.840.113556.1.6.13.3.19
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: e3b44e05-f4a7-4078-a730-f48670a743f8
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.165 Attribute msDFSR-RdcMinFileSizeInKb

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-RdcMinFileSizeInKb
ldapDisplayName: msDFSR-RdcMinFileSizeInKb
attributeId: 1.2.840.113556.1.6.13.3.20
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: f402a330-ace5-4dc1-8cc9-74d900bf8ae0
searchFlags: 0
rangeLower: 0
rangeUpper: -1
```


Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.166 Attribute msDFSR-ReadOnly

This attribute specifies whether the content is read-only or read-write.

```
cn: ms-DFSR-ReadOnly
ldapDisplayName: msDFSR-ReadOnly
attributeId: 1.2.840.113556.1.6.13.3.28
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 5ac48021-e447-46e7-9d23-92c0c6a90dfb
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.167 Attribute msDFSR-StagingCleanupTriggerInPercent

This attribute specifies the staging cleanup trigger in percentage of free disk space.

```
cn: ms-DFSR-StagingCleanupTriggerInPercent
ldapDisplayName: msDFSR-StagingCleanupTriggerInPercent
attributeId: 1.2.840.113556.1.6.13.3.40
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d64b9c23-e1fa-467b-b317-6964d744d633
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.168 Attribute msDFSR-ReplicationGroupGuid

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-ReplicationGroupGuid
ldapDisplayName: msDFSR-ReplicationGroupGuid
attributeId: 1.2.840.113556.1.6.13.3.23
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 2dad8796-7619-4ff8-966e-0a5cc67b287f
searchFlags: fATTINDEX
rangeLower: 16
rangeUpper: 16
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.169 Attribute msDFSR-ReplicationGroupType

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-ReplicationGroupType
ldapDisplayName: msDFSR-ReplicationGroupType
attributeId: 1.2.840.113556.1.6.13.3.10
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: eeed0fc8-1001-45ed-80cc-bbf744930720
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.170 Attribute msDFSR-RootFence

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-RootFence
ldapDisplayName: msDFSR-RootFence
attributeId: 1.2.840.113556.1.6.13.3.22
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 51928e94-2cd8-4abe-b552-e50412444370
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.171 Attribute msDFSR-RootPath

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-RootPath
ldapDisplayName: msDFSR-RootPath
attributeId: 1.2.840.113556.1.6.13.3.3
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: d7d5e8c1-e61f-464f-9fcf-20bbe0a2ec54
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.172 Attribute msDFSR-RootSizeInMb

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-RootSizeInMb
ldapDisplayName: msDFSR-RootSizeInMb
attributeId: 1.2.840.113556.1.6.13.3.4
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 90b769ac-4413-43cf-ad7a-867142e740a3
searchFlags: 0
rangeLower: 0
rangeUpper: -1
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.173 Attribute msDFSR-Schedule

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Schedule
ldapDisplayName: msDFSR-Schedule
attributeId: 1.2.840.113556.1.6.13.3.14
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 4699f15f-a71f-48e2-9ff5-5897c0759205
searchFlags: 0
rangeLower: 336
rangeUpper: 336
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.174 Attribute msDFSR-StagingPath

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-StagingPath
ldapDisplayName: msDFSR-StagingPath
attributeId: 1.2.840.113556.1.6.13.3.5
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 86b9a69e-f0a6-405d-99bb-77d977992c2a
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.175 Attribute msDFSR-StagingSizeInMb

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-StagingSizeInMb
ldapDisplayName: msDFSR-StagingSizeInMb
attributeId: 1.2.840.113556.1.6.13.3.6
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 250a8f20-f6fc-4559-ae65-e4b24c67aebe
searchFlags: 0
rangeLower: 0
rangeUpper: -1
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.176 Attribute msDFSR-TombstoneExpiryInMin

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-TombstoneExpiryInMin
ldapDisplayName: msDFSR-TombstoneExpiryInMin
attributeId: 1.2.840.113556.1.6.13.3.11
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 23e35d4c-e324-4861-a22f-e199140dae00
searchFlags: 0
rangeLower: 0
rangeUpper: 2147483647
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.177 Attribute msDFSR-Version

This attribute specifies a value used by the Distributed File System Replication Protocol, as specified in [\[MS-FRS2\]](#) section 2.2.

```
cn: ms-DFSR-Version
ldapDisplayName: msDFSR-Version
attributeId: 1.2.840.113556.1.6.13.3.1
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 1a861408-38c3-49ea-ba75-85481a77c655
searchFlags: 0
rangeUpper: 256
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.178 Attribute msDRM-IdentityCertificate

For a given user object, this attribute specifies the XrML digital rights management (DRM) certificates for the individual represented by that object.

```
cn: MS-DRM-Identity-Certificate
ldapDisplayName: msDRM-IdentityCertificate
attributeId: 1.2.840.113556.1.4.1843
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: e85e1204-3434-41ad-9b56-e2901228fff0
searchFlags: 0
rangeLower: 1
rangeUpper: 10240
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.179 Attribute msDS-AdditionalDnsHostName

For a given computer object, this attribute specifies additional Domain Name System (DNS) names of that computer, as specified in [\[MS-ADTS\]](#) section 3.1.1.

```
cn: ms-DS-Additional-Dns-Host-Name
ldapDisplayName: msDS-AdditionalDnsHostName
attributeId: 1.2.840.113556.1.4.1717
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 80863791-dbe9-4eb8-837e-7f0ab55d9ac7
systemOnly: TRUE
searchFlags: 0
rangeLower: 0
rangeUpper: 2048
attributeSecurityGuid: 72e39547-7b18-11d1-adeb-00c04fd8d5cd
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.180 Attribute msDS-AdditionalSamAccountName

For a given computer object, this attribute specifies the additional security account manager (SAM) account names of that computer. For more information, see [\[MS-ADTS\]](#).

```
cn: ms-DS-Additional-Sam-Account-Name
ldapDisplayName: msDS-AdditionalSamAccountName
attributeId: 1.2.840.113556.1.4.1718
attributeSyntax: 2.5.5.12
```

```

omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 975571df-a4d5-429a-9f59-cdc6581d91e6
systemOnly: TRUE
searchFlags: fPRESERVEONDELETE| fANR | fATTINDEX
rangeLower: 0
rangeUpper: 256
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.181 Attribute msDS-AllowedDNSSuffixes

For a given Active Directory forest, this attribute specifies the list of Domain Name System (DNS) suffixes (by their fully qualified domain name) allowed to be used to identify computers that are members of that forest.

```

cn: ms-DS-Allowed-DNS-Suffixes
ldapDisplayName: msDS-AllowedDNSSuffixes
attributeId: 1.2.840.113556.1.4.1710
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 8469441b-9ac4-4e45-8205-bd219dbf672d
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 2048
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.182 Attribute msDS-AllowedToDelegateTo

For a given computer or user account, this attribute specifies the list of service principal names (SPN) that those accounts may be identified by. For more information, see [\[MS-KILE\]](#) and [\[MS-ADTS\]](#).

```

cn: ms-DS-Allowed-To-Delegate-To
ldapDisplayName: msDS-AllowedToDelegateTo
attributeId: 1.2.840.113556.1.4.1787
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 800d94d7-b7a1-42a1-b14d-7cae1423d07f
systemOnly: FALSE

```

```
searchFlags: 0
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.183 Attribute msDS-AllUsersTrustQuota

For a given Active Directory forest, this attribute specifies the maximum number of trusted domain objects (TDOs) allowed. For more information, see [\[MS-LSAD\]](#) and [\[MS-ADTS\]](#).

```
cn: MS-DS-All-Users-Trust-Quota
ldapDisplayName: msDS-AllUsersTrustQuota
attributeId: 1.2.840.113556.1.4.1789
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d3aa4a5c-4e03-4810-97aa-2b339e7a434b
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.184 Attribute msDS-Approx-Immed-Subordinates

For a given container in the directory, this attribute specifies the total index size for the objects within that container.

```
cn: ms-DS-Approx-Immed-Subordinates
ldapDisplayName: msDS-Approx-Immed-Subordinates
attributeId: 1.2.840.113556.1.4.1669
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: e185d243-f6ce-4adb-b496-b0c005d7823c
systemOnly: TRUE
searchFlags: 0
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.185 Attribute msDS-AuthenticatedAtDC

This attribute specifies the forward link for [ms-DS-AuthenticatedTo-Accountlist](#). For a user, it identifies which domain controller (DC) a user has authenticated to.

```
cn: ms-DS-AuthenticatedAt-DC
ldapDisplayName: msDS-AuthenticatedAtDC
attributeId: 1.2.840.113556.1.4.1958
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 3e1ee99c-6604-4489-89d9-84798a89515a
systemOnly: FALSE
searchFlags: 0
linkID: 2112
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.186 Attribute msDS-AuthenticatedToAccountlist

This attribute specifies the back link for [ms-DS-AuthenticatedAt-DC](#). For a computer, it identifies which users have authenticated to this computer.

```
cn: ms-DS-AuthenticatedTo-Accountlist
ldapDisplayName: msDS-AuthenticatedToAccountlist
attributeId: 1.2.840.113556.1.4.1957
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: e8b2c971-a6df-47bc-8d6f-62770d527aa5
systemOnly: TRUE
searchFlags: 0
linkID: 2113
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.187 Attribute msDS-Auxiliary-Classes

For a given object, this attribute specifies the list of auxiliary classes that have been dynamically attached to an object. For more information, see [\[MS-ADTS\]](#) section 3.1.1.2.

```
cn: ms-DS-Auxiliary-Classes
ldapDisplayName: msDS-Auxiliary-Classes
attributeId: 1.2.840.113556.1.4.1458
attributeSyntax: 2.5.5.2
omSyntax: 6
```



```
isSingleValued: FALSE
schemaIdGuid: c4af1073-ee50-4be0-b8c0-89a41fe99abe
systemOnly: TRUE
searchFlags: fPRESERVEONDELETE
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.188 Attribute msDS-AzApplicationData

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Application-Data
ldapDisplayName: msDS-AzApplicationData
attributeId: 1.2.840.113556.1.4.1819
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 503fc3e8-1cc6-461a-99a3-9eee04f402a7
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.189 Attribute msDS-AzApplicationName

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Application-Name
ldapDisplayName: msDS-AzApplicationName
attributeId: 1.2.840.113556.1.4.1798
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: db5b0728-6208-4876-83b7-95d3e5695275
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 512
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.190 Attribute msDS-AzApplicationVersion

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Application-Version
ldapDisplayName: msDS-AzApplicationVersion
attributeId: 1.2.840.113556.1.4.1817
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 7184a120-3ac4-47ae-848f-fe0ab20784d4
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.191 Attribute msDS-AzBizRule

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Biz-Rule
ldapDisplayName: msDS-AzBizRule
attributeId: 1.2.840.113556.1.4.1801
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 33d41ea8-c0c9-4c92-9494-f104878413fd
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 65536
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.192 Attribute msDS-AzBizRuleLanguage

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Biz-Rule-Language
```

```
ldapDisplayName: msDS-AzBizRuleLanguage
attributeId: 1.2.840.113556.1.4.1802
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 52994b56-0e6c-4e07-aa5c-ef9d7f5a0e25
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 64
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.193 Attribute msDS-AzClassId

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Class-ID
ldapDisplayName: msDS-AzClassId
attributeId: 1.2.840.113556.1.4.1816
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 013a7277-5c2d-49ef-a7de-b765b36a3f6f
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 40
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.194 Attribute msDS-AzDomainTimeout

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Domain-Timeout
ldapDisplayName: msDS-AzDomainTimeout
attributeId: 1.2.840.113556.1.4.1795
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 6448f56a-ca70-4e2e-b0af-d20e4ce653d0
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.195 Attribute msDS-AzGenerateAudits

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Generate-Audits
ldapDisplayName: msDS-AzGenerateAudits
attributeId: 1.2.840.113556.1.4.1805
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: f90abab0-186c-4418-bb85-88447c87222a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.196 Attribute msDS-AzGenericData

This attribute specifies AzMan-specific generic data.

```
cn: ms-DS-Az-Generic-Data
ldapDisplayName: msDS-AzGenericData
attributeId: 1.2.840.113556.1.4.1950
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: b5f7e349-7a5b-407c-a334-a31c3f538b98
systemOnly: FALSE
searchFlags: 0
rangeUpper: 65536
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.197 Attribute msDS-AzLastImportedBizRulePath

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Last-Imported-Biz-Rule-Path
ldapDisplayName: msDS-AzLastImportedBizRulePath
attributeId: 1.2.840.113556.1.4.1803
```

```
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 665acb5c-bb92-4dbc-8c59-b3638eab09b3
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 65536
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.198 Attribute msDS-AzLDAPQuery

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-LDAP-Query
ldapDisplayName: msDS-AzLDAPQuery
attributeId: 1.2.840.113556.1.4.1792
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5e53368b-fc94-45c8-9d7d-daf31ee7112d
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 4096
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.199 Attribute msDS-AzMajorVersion

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Major-Version
ldapDisplayName: msDS-AzMajorVersion
attributeId: 1.2.840.113556.1.4.1824
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: cfb9adb7-c4b7-4059-9568-1ed9db6b7248
systemOnly: FALSE
searchFlags: 0
rangeLower: 1
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.200 Attribute msDS-AzMinorVersion

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Minor-Version
ldapDisplayName: msDS-AzMinorVersion
attributeId: 1.2.840.113556.1.4.1825
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: ee85ed93-b209-4788-8165-e702f51bfbf3
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.201 Attribute msDS-AzObjectGuid

This attribute specifies the unique and portable identifier of AzMan objects.

```
cn: ms-DS-Az-Object-Guid
ldapDisplayName: msDS-AzObjectGuid
attributeId: 1.2.840.113556.1.4.1949
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 8491e548-6c38-4365-a732-af041569b02c
systemOnly: TRUE
searchFlags: fATTINDEX
rangeLower: 16
rangeUpper: 16
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.202 Attribute msDS-AzOperationID

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Operation-ID
```

```
ldapDisplayName: msDS-AzOperationID
attributeId: 1.2.840.113556.1.4.1800
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: a5f3b553-5d76-4cbe-ba3f-4312152cab18
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.203 Attribute msDS-AzScopeName

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Scope-Name
ldapDisplayName: msDS-AzScopeName
attributeId: 1.2.840.113556.1.4.1799
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 515a6b06-2617-4173-8099-d5605df043c6
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 65536
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.204 Attribute msDS-AzScriptEngineCacheMax

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Script-Engine-Cache-Max
ldapDisplayName: msDS-AzScriptEngineCacheMax
attributeId: 1.2.840.113556.1.4.1796
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 2629f66a-1f95-4bf3-a296-8e9d7b9e30c8
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.205 Attribute msDS-AzScriptTimeout

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Script-Timeout
ldapDisplayName: msDS-AzScriptTimeout
attributeId: 1.2.840.113556.1.4.1797
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 87d0fb41-2c8b-41f6-b972-11fd50d6b0
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.206 Attribute msDS-AzTaskIsRoleDefinition

This attribute is used by applications that leverage Active Directory for authentication and authorization. It is not used or constrained by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-Az-Task-Is-Role-Definition
ldapDisplayName: msDS-AzTaskIsRoleDefinition
attributeId: 1.2.840.113556.1.4.1818
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 7b078544-6c82-4fe9-872f-ff48ad2b2e26
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.207 Attribute msDS-Behavior-Version

For a given Active Directory domain or forest, this attribute specifies the domain or forest behavior version. It is a monotonically increasing number that is used to enable certain Active Directory features.

```
cn: ms-DS-Behavior-Version
ldapDisplayName: msDS-Behavior-Version
attributeId: 1.2.840.113556.1.4.1459
```



```
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d31a8757-2447-4545-8081-3bb610cacbf2
systemOnly: TRUE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.208 Attribute msDS-BridgeHeadServersUsed

A list of bridge head servers used by KCC in the previous run.

```
cn: ms-DS-BridgeHead-Servers-Used
ldapDisplayName: msDS-BridgeHeadServersUsed
attributeId: 1.2.840.113556.1.4.2049
attributeSyntax: 2.5.5.7
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.11
linkID: 2160
isSingleValued: FALSE
showInAdvancedViewOnly: TRUE
schemaIdGuid: 3ced1465-7b71-2541-8780-1e1ea6243a82
searchFlags: 0
systemFlags: ATTR_NOT_REPLICATED | ATTR_IS_OPERATIONAL |
  SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.209 Attribute msDS-ByteArray

This attribute specifies binary data for a given object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Byte-Array
ldapDisplayName: msDS-ByteArray
attributeId: 1.2.840.113556.1.4.1831
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: f0d8972e-dd5b-40e5-a51d-044c7c17ece7
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1000000
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.210 Attribute msDS-Cached-Membership

This attribute specifies a membership of cached groups and is used during group expansion. For more information, see [\[MS-SAMR\]](#).

```
cn: ms-DS-Cached-Membership
ldapDisplayName: msDS-Cached-Membership
attributeId: 1.2.840.113556.1.4.1441
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 69cab008-cdd4-4bc9-bab8-0ff37efe1b20
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.211 Attribute msDS-Cached-Membership-Time-Stamp

This attribute specifies the time stamp of cached groups and is used during group expansion. For more information, see [\[MS-SAMR\]](#).

```
cn: ms-DS-Cached-Membership-Time-Stamp
ldapDisplayName: msDS-Cached-Membership-Time-Stamp
attributeId: 1.2.840.113556.1.4.1442
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 3566b1f1f-beee-4dcb-8abe-ef89fcfec6c1
systemOnly: FALSE
searchFlags: fATTINDEX
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.212 Attribute msDS-DateTime

This attribute specifies the date and time for a given object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Date-Time
```

```
ldapDisplayName: msDS-DateTime
attributeId: 1.2.840.113556.1.4.1832
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: FALSE
schemaIdGuid: 234fcbd8-fb52-4908-a328-fd9f6e58e403
systemOnly: FALSE
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.213 Attribute msDS-DefaultQuota

This attribute specifies the default object creation quota for a given security principle. For more information, see [\[MS-ADTS\]](#) section 7.1.1.4.

```
cn: ms-DS-Default-Quota
ldapDisplayName: msDS-DefaultQuota
attributeId: 1.2.840.113556.1.4.1846
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 6818f726-674b-441b-8a3a-f40596374cea
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.214 Attribute msDS-DnsRootAlias

This attribute specifies the additional Domain Name System (DNS) names for a given application naming context (NC).

```
cn: ms-DS-DnsRootAlias
ldapDisplayName: msDS-DnsRootAlias
attributeId: 1.2.840.113556.1.4.1719
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 2143acca-eead-4d29-b591-85fa49ce9173
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 255
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.215 Attribute msDS-Entry-Time-To-Die

This attribute specifies the absolute expiration time of a dynamic object in the directory. For more information, see [\[MS-ADTS\]](#).

```
cn: ms-DS-Entry-Time-To-Die
ldapDisplayName: msDS-Entry-Time-To-Die
attributeId: 1.2.840.113556.1.4.1622
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: TRUE
schemaIdGuid: e1e9bad7-c6dd-4101-a843-794cec85b038
systemOnly: TRUE
searchFlags: fPRESERVEONDELETE | fATTINDEX
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_OPERATIONAL
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.216 Attribute msDS-ExecuteScriptPassword

This attribute specifies a password to be used when renaming an Active Directory domain or forest.

```
cn: ms-DS-ExecuteScriptPassword
ldapDisplayName: msDS-ExecuteScriptPassword
attributeId: 1.2.840.113556.1.4.1783
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9d054a5a-d187-46c1-9d85-42dfc44a56dd
systemOnly: TRUE
searchFlags: 0
rangeLower: 0
rangeUpper: 64
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.217 Attribute msDS-ExternalKey

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-External-Key
ldapDisplayName: msDS-ExternalKey
attributeId: 1.2.840.113556.1.4.1833
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: b92fd528-38ac-40d4-818d-0433380837c1
systemOnly: FALSE
searchFlags: 0
rangeUpper: 10000
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.218 Attribute msDS-ExternalStore

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, or Windows Server 2008.

```
cn: ms-DS-External-Store
ldapDisplayName: msDS-ExternalStore
attributeId: 1.2.840.113556.1.4.1834
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 604877cd-9cdb-47c7-b03d-3daadb044910
systemOnly: FALSE
searchFlags: 0
rangeUpper: 10000
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.219 Attribute msDS-FailedInteractiveLogonCount

This attribute specifies the total number of failed interactive logons since this feature was turned on.

```
cn: ms-DS-Failed-Interactive-Logon-Count
ldapDisplayName: msDS-FailedInteractiveLogonCount
attributeId: 1.2.840.113556.1.4.1972
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: dc3ca86f-70ad-4960-8425-a4d6313d93dd
systemOnly: TRUE
searchFlags: 0
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

```
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.220 Attribute msDS-FailedInteractiveLogonCountAtLastSuccessfulLogon

This attribute specifies the total number of failed interactive logons up until the last successful C-A-D logon.

```
cn: ms-DS-Failed-Interactive-Logon-Count-At-Last-Successful-Logon
ldapDisplayName: msDS-FailedInteractiveLogonCountAtLastSuccessfulLogon
attributeId: 1.2.840.113556.1.4.1973
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: c5d234e5-644a-4403-a665-e26e0aef5e98
systemOnly: TRUE
searchFlags: 0
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.221 Attribute msDS-FilterContainers

This attribute specifies which container types should be shown by the Active Directory Users and Computers Microsoft Management Console (ADUC MMC) snap-in.

```
cn: ms-DS-Filter-Containers
ldapDisplayName: msDS-FilterContainers
attributeId: 1.2.840.113556.1.4.1703
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: fb00dcdf-ac37-483a-9c12-ac53a6603033
systemOnly: FALSE
searchFlags: 0
rangeLower: 1
rangeUpper: 64
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.222 Attribute msDS-HABSeniorityIndex

This attribute contains the seniority index as applied by the organization where the individual works.

```
cn: ms-DS-HAB-Seniority-Index
ldapDisplayName: msDS-HABSeniorityIndex
attributeId: 1.2.840.113556.1.4.1997
```

```
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: def449f1-fd3b-4045-98cf-d9658da788b5
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
mapiID: 36000
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.223 Attribute msDS-HasDomainNCs

This attribute specifies replication information regarding the domain naming contexts (NCs) that are present in a particular server. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Has-Domain-NCs
ldapDisplayName: msDS-HasDomainNCs
attributeId: 1.2.840.113556.1.4.1820
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 6f17e347-a842-4498-b8b3-15e007da4fed
systemOnly: TRUE
searchFlags: 0
rangeLower: 4
rangeUpper: 4
linkID: 2026
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.224 Attribute msDS-hasFullReplicaNCs

For a Directory instance (DSA), this attribute identifies the partitions held as full replicas.

```
cn: ms-DS-Has-Full-Replica-NCs
ldapDisplayName: msDS-hasFullReplicaNCs
attributeId: 1.2.840.113556.1.4.1925
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 1d3c2d18-42d0-4868-99fe-0ecale6fa9f3
systemOnly: TRUE
searchFlags: 0
linkID: 2104
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

```
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.225 Attribute msDS-HasInstantiatedNCs

This attribute specifies replication information regarding the domain naming contexts (NCs) that are present in a particular server. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Has-Instantiated-NCs
ldapDisplayName: msDS-HasInstantiatedNCs
attributeId: 1.2.840.113556.1.4.1709
attributeSyntax: 2.5.5.7
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.11
isSingleValued: FALSE
schemaIdGuid: 11e9a5bc-4517-4049-af9c-51554fb0fc09
systemOnly: TRUE
searchFlags: 0
rangeLower: 4
rangeUpper: 4
linkID: 2002
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.226 Attribute msDS-hasMasterNCs

This attribute specifies the naming contexts (NCs) contained on a domain controller (DC). For more information, see [\[MS-ADTS\]](#).

```
cn: ms-DS-Has-Master-NCs
ldapDisplayName: msDS-hasMasterNCs
attributeId: 1.2.840.113556.1.4.1836
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: ae2de0e2-59d7-4d47-8d47-ed4dfe4357ad
systemOnly: TRUE
searchFlags: 0
linkID: 2036
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.227 Attribute msDS-Integer

This attribute specifies an integer for a given object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Integer
ldapDisplayName: msDS-Integer
attributeId: 1.2.840.113556.1.4.1835
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: FALSE
schemaIdGuid: 7bc64cea-c04e-4318-b102-3e0729371a65
systemOnly: FALSE
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.228 Attribute msDS-IntId

This attribute specifies internal flags. For more information, see [\[MS-ADTS\]](#) section 3.1.1.2.3.

```
cn: ms-DS-IntId
ldapDisplayName: msDS-IntId
attributeId: 1.2.840.113556.1.4.1716
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: bc60096a-1b47-4b30-8877-602c93f56532
systemOnly: TRUE
searchFlags: fPRESERVEONDELETE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.229 Attribute msDS-IsDomainFor

This attribute specifies a back link for [ms-DS-Has-Domain-NCs](#). For a partition root object, identifies which Directory instances (DSA) hold that partition as their primary domain.

```
cn: ms-DS-Is-Domain-For
ldapDisplayName: msDS-IsDomainFor
attributeId: 1.2.840.113556.1.4.1933
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: ff155a2a-44e5-4de0-8318-13a58988de4f
systemOnly: TRUE
searchFlags: 0
```

```
linkID: 2027
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.230 Attribute msDS-IsFullReplicaFor

This attribute specifies back link for [ms-Ds-Has-Full-Replica-NCs](#). For a partition root object, identifies which Directory instances (DSA) hold that partition as a full replica.

```
cn: ms-DS-Is-Full-Replica-For
ldapDisplayName: msDS-IsFullReplicaFor
attributeId: 1.2.840.113556.1.4.1932
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: c8bc72e0-a6b4-48f0-94a5-fd76a88c9987
systemOnly: TRUE
searchFlags: 0
linkID: 2105
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.231 Attribute msDS-isGC

For a Directory instance (DSA), this attribute identifies the state of the global catalog (GC) on the directory system agent (DSA).

```
cn: ms-DS-isGC
ldapDisplayName: msDS-isGC
attributeId: 1.2.840.113556.1.4.1959
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 1df5cf33-0fe5-499e-90e1-e94b42718a46
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.232 Attribute msDS-IsPartialReplicaFor

This attribute specifies a back link for [has-Partial-Replica-NCs](#). For a partition root object, identifies which Directory instances (DSA) hold that partition as a partial replica.

```
cn: ms-DS-Is-Partial-Replica-For
ldapDisplayName: msDS-IsPartialReplicaFor
attributeId: 1.2.840.113556.1.4.1934
```

```

attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 37c94ff6-c6d4-498f-b2f9-c6f7f8647809
systemOnly: TRUE
searchFlags: 0
linkID: 75
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.233 Attribute msDS-isRODC

For a Directory instance (DSA), this attribute identifies whether the DSA is a read-only DSA.

```

cn: ms-DS-isRODC
ldapDisplayName: msDS-isRODC
attributeId: 1.2.840.113556.1.4.1960
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: a8e8aa23-3e67-4af1-9d7a-2f1a1d633ac9
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.234 Attribute msDS-IsUserCachableAtRodic

For a read-only Directory instance (DSA), this attribute identifies whether the specified user's secrets can be cached.

```

cn: ms-DS-Is-User-Cachable-At-Rodic
ldapDisplayName: msDS-IsUserCachableAtRodic
attributeId: 1.2.840.113556.1.4.2025
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: fe01245a-341f-4556-951f-48c033a89050
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.235 Attribute msDS-KeyVersionNumber

For a given account, this attribute specifies the Kerberos version number of the current key for that account. For more information, see [\[MS-ADTS\]](#) section 3.1.1.4.5.16 and [\[MS-KILE\]](#).

```
cn: ms-DS-KeyVersionNumber
ldapDisplayName: msDS-KeyVersionNumber
attributeId: 1.2.840.113556.1.4.1782
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: c523e9c0-33b5-4ac8-8923-b57b927f42f6
systemOnly: TRUE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.236 Attribute msDS-KrbTgtLink

For a computer, this attribute identifies the user object (krbtgt) that acts as the domain or secondary domain master secret. This depends on which domain or secondary domain the computer resides in.

```
cn: ms-DS-KrbTgt-Link
ldapDisplayName: msDS-KrbTgtLink
attributeId: 1.2.840.113556.1.4.1923
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 778ff5c9-6f4e-4b74-856a-d68383313910
systemOnly: FALSE
searchFlags: 0
linkID: 2100
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.237 Attribute msDS-KrbTgtLinkBl

This attribute specifies the back link for [ms-DS-KrbTgt-Link](#). For a user object (krbtgt) that acts as a domain or secondary domain master secret, it identifies which computers are in that domain or secondary domain.

```
cn: ms-DS-KrbTgt-Link-BL
ldapDisplayName: msDS-KrbTgtLinkBl
attributeId: 1.2.840.113556.1.4.1931
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 5dd68c41-bfdf-438b-9b5d-39d9618bf260
systemOnly: TRUE
```

```
searchFlags: 0
linkID: 2101
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.238 Attribute msDS-LastFailedInteractiveLogonTime

This attribute specifies the time that an incorrect password was presented during a C-A-D logon.

```
cn: ms-DS-Last-Failed-Interactive-Logon-Time
ldapDisplayName: msDS-LastFailedInteractiveLogonTime
attributeId: 1.2.840.113556.1.4.1971
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: c7e7dafa-10c3-4b8b-9acd-54f11063742e
systemOnly: TRUE
searchFlags: 0
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.239 Attribute msDS-LastSuccessfulInteractiveLogonTime

This attribute specifies the time that the correct password was presented during a C-A-D logon.

```
cn: ms-DS-Last-Successful-Interactive-Logon-Time
ldapDisplayName: msDS-LastSuccessfulInteractiveLogonTime
attributeId: 1.2.840.113556.1.4.1970
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: 011929e6-8b5d-4258-b64a-00b0b4949747
systemOnly: TRUE
searchFlags: 0
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.240 Attribute msDS-LockoutDuration

This attribute specifies the lockout duration for locked-out user accounts.

```
cn: ms-DS-Lockout-Duration
ldapDisplayName: msDS-LockoutDuration
attributeId: 1.2.840.113556.1.4.2018
```

```
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
schemaIdGuid:: 421f889a-472e-4fe4-8eb9-e1d0bc6071b2
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.241 Attribute msDS-LockoutThreshold

This attribute specifies the lockout threshold for lockout of user accounts.

```
cn: ms-DS-Lockout-Threshold
ldapDisplayName: msDS-LockoutThreshold
attributeId: 1.2.840.113556.1.4.2019
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 65535
schemaIdGuid:: b8c8c35e-4a19-4a95-99d0-69fe4446286f
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.242 Attribute msDS-LockoutObservationWindow

This attribute specifies the observation window for lockout of user accounts.

```
cn: ms-DS-Lockout-Observation-Window
ldapDisplayName: msDS-LockoutObservationWindow
attributeId: 1.2.840.113556.1.4.2017
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
schemaIdGuid:: b05bda89-76af-468a-b892-1be55558ecc8
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.243 Attribute msDS-LogonTimeSyncInterval

This attribute specifies the frequency (in days) with which the last logon time for a user/computer, recorded in the [lastLogonTimestamp](#) attribute, is replicated to all domain controllers (DCs) in a domain. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Logon-Time-Sync-Interval
ldapDisplayName: msDS-LogonTimeSyncInterval
attributeId: 1.2.840.113556.1.4.1784
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: ad7940f8-e43a-4a42-83bc-d688e59ea605
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.244 Attribute msDs-masteredBy

This attribute specifies the back link for [ms-DS-Has-Master-NCs](#). For more information, see [\[MS-ADTS\]](#).

```
cn: ms-DS-Mastered-By
ldapDisplayName: msDs-masteredBy
attributeId: 1.2.840.113556.1.4.1837
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 60234769-4819-4615-a1b2-49d2f119acb5
systemOnly: TRUE
searchFlags: 0
linkID: 2037
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.245 Attribute msDS-MaximumPasswordAge

This attribute specifies the maximum age of passwords for user accounts.

```
cn: ms-DS-Maximum-Password-Age
ldapDisplayName: msDS-MaximumPasswordAge
```

```
attributeId: 1.2.840.113556.1.4.2011
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
schemaIdGuid: fdd337f5-4999-4fce-b252-8ff9c9b43875
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.246 Attribute msDs-MaxValues

This attribute specifies the maximum values allowed for a given object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Max-Values
ldapDisplayName: msDs-MaxValues
attributeId: 1.2.840.113556.1.4.1842
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d1e169a4-ebe9-49bf-8fcb-8aef3874592d
systemOnly: FALSE
searchFlags: 0
rangeLower: 1
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.247 Attribute msDS-MembersForAzRole

This attribute is used by the Authorization Manager feature of Windows Server 2003, and is not necessary for Active Directory to function. It specifies the list of member application groups or users linked to Az-Role objects.

```
cn: ms-DS-Members-For-Az-Role
ldapDisplayName: msDS-MembersForAzRole
attributeId: 1.2.840.113556.1.4.1806
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: cbf7e6cd-85a4-4314-8939-8bfe80597835
systemOnly: FALSE
searchFlags: 0
linkID: 2016
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```


Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.248 Attribute msDS-MembersForAzRoleBL

This attribute is used by the Authorization Manager feature of Windows Server 2003, and is not necessary for Active Directory to function. It specifies the back link from a member application group or user to Az-Role objects linking to it.

```
cn: ms-DS-Members-For-Az-Role-BL
ldapDisplayName: msDS-MembersForAzRoleBL
attributeId: 1.2.840.113556.1.4.1807
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: ececcd20-a7e0-4688-9ccf-02ece5e287f5
systemOnly: TRUE
searchFlags: 0
linkID: 2017
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.249 Attribute msDS-MinimumPasswordAge

This attribute specifies the minimum age of passwords for user accounts.

```
cn: ms-DS-Minimum-Password-Age
ldapDisplayName: msDS-MinimumPasswordAge
attributeId: 1.2.840.113556.1.4.2012
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
schemaIdGuid: 2a74f878-4d9c-49f9-97b3-6767d1cbd9a3
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.250 Attribute msDS-MinimumPasswordLength

This attribute specifies the minimum length of passwords for user accounts.

```
cn: ms-DS-Minimum-Password-Length
ldapDisplayName: msDS-MinimumPasswordLength
attributeId: 1.2.840.113556.1.4.2013
attributeSyntax: 2.5.5.9
```

```

omSyntax: 2
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 255
schemaIdGuid: b21b3439-4c3a-441c-bb5f-08f20e9b315e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.251 Attribute msDS-NC-Replica-Locations

This attribute specifies the list of servers that are the replica set for the corresponding non-domain NC. For more information, see [\[MS-ADTS\]](#) section 7.1.1.2.1.1.5.

```

cn: ms-DS-NC-Replica-Locations
ldapDisplayName: msDS-NC-Replica-Locations
attributeId: 1.2.840.113556.1.4.1661
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 97de9615-b537-46bc-ac0f-10720f3909f3
systemOnly: FALSE
searchFlags: 0
linkID: 1044
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.252 Attribute msDS-NC-RO-Replica-Locations

This attribute specifies a linked attribute on a cross ref object for a partition. This attribute lists the directory system agent (DSA) instances that should host the partition in a read-only manner.

```

cn: ms-DS-NC-RO-Replica-Locations
ldapDisplayName: msDS-NC-RO-Replica-Locations
attributeId: 1.2.840.113556.1.4.1967
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 3df793df-9858-4417-a701-735a1eceb74
systemOnly: FALSE
searchFlags: 0
linkID: 2114
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

```
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.253 Attribute msDS-NC-RO-Replica-Locations-BL

This attribute specifies a back link attribute for [ms-DS-NC-RO-Replica-Locations](#).

```
cn: ms-DS-NC-RO-Replica-Locations-BL
ldapDisplayName: msDS-NC-RO-Replica-Locations-BL
attributeId: 1.2.840.113556.1.4.1968
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: f547511c-5b2a-44cc-8358-992a88258164
systemOnly: FALSE
searchFlags: 0
linkID: 2115
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.254 Attribute msDS-NcType

This attribute specifies a bit field that maintains information about aspects of a naming context (NC) replica relevant to replication.

```
cn: ms-DS-NC-Type
ldapDisplayName: msDS-NcType
attributeId: 1.2.840.113556.1.4.2024
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
systemOnly: TRUE
searchFlags: 0
schemaIdGuid: 5a2eacd7-cc2b-48cf-9d9a-b6f1a0024de9
showInAdvancedViewOnly: TRUE
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.255 Attribute msDS-NCReplCursors

This attribute specifies a list of past and present replication partners for a particular machine, and how up to date that machine is with each of them. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-NC-Repl-Cursors
ldapDisplayName: msDS-NCReplCursors
attributeId: 1.2.840.113556.1.4.1704
```

```
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 8a167ce4-f9e8-47eb-8d78-f7fe80abb2cc
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.256 Attribute msDS-NCReplInboundNeighbors

This attribute specifies replication partners for this naming context (NC). For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-NC-Repl-Inbound-Neighbors
ldapDisplayName: msDS-NCReplInboundNeighbors
attributeId: 1.2.840.113556.1.4.1705
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 9edba85a-3e9e-431b-9b1a-a5b6e9eda796
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.257 Attribute msDS-NCReplOutboundNeighbors

This attribute specifies replication partners for this naming context (NC). For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-NC-Repl-Outbound-Neighbors
ldapDisplayName: msDS-NCReplOutboundNeighbors
attributeId: 1.2.840.113556.1.4.1706
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 855f2ef5-a1c5-4cc4-ba6d-32522848b61f
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.258 Attribute msDS-NeverRevealGroup

For a Directory instance (DSA), this attribute identifies the security group whose users never have their secrets disclosed to that instance.

```
cn: ms-DS-Never-Reveal-Group
ldapDisplayName: msDS-NeverRevealGroup
attributeId: 1.2.840.113556.1.4.1926
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 15585999-fd49-4d66-b25d-eeb96aba8174
systemOnly: FALSE
searchFlags: 0
linkID: 2106
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.259 Attribute msDS-Non-Security-Group-Extra-Classes

This attribute specifies the common names of the non-standard classes that can be added to a non-security group through the Active Directory Users and Computers snap-in (ADUC MMC). For more information, see [\[MSDN-ACL\]](#).

```
cn: ms-DS-Non-Security-Group-Extra-Classes
ldapDisplayName: msDS-Non-Security-Group-Extra-Classes
attributeId: 1.2.840.113556.1.4.1689
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 2de144fc-1f52-486f-bdf4-16fcc3084e54
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.260 Attribute msDS-NonMembers

This attribute is not used.

```
cn: ms-DS-Non-Members
ldapDisplayName: msDS-NonMembers
attributeId: 1.2.840.113556.1.4.1793
attributeSyntax: 2.5.5.1
```

```
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: cafcb1de-f23c-46b5-adf7-1e64957bd5db
systemOnly: FALSE
searchFlags: 0
linkID: 2014
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.261 Attribute msDS-NonMembersBL

This attribute is not used.

```
cn: ms-DS-Non-Members-BL
ldapDisplayName: msDS-NonMembersBL
attributeId: 1.2.840.113556.1.4.1794
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 2a8c68fc-3a7a-4e87-8720-fe77c51cbe74
systemOnly: TRUE
searchFlags: 0
linkID: 2015
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.262 Attribute msDS-ObjectReference

For a given object, this attribute specifies a link to another object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Object-Reference
ldapDisplayName: msDS-ObjectReference
attributeId: 1.2.840.113556.1.4.1840
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 638ec2e8-22e7-409c-85d2-11b21bee72de
systemOnly: FALSE
searchFlags: 0
linkID: 2038
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.263 Attribute msDS-ObjectReferenceBL

For a given object, this attribute specifies a back link to another object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Object-Reference-BL
ldapDisplayName: msDS-ObjectReferenceBL
attributeId: 1.2.840.113556.1.4.1841
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 2b702515-c1f7-4b3b-b148-c0e4c6ceecb4
systemOnly: TRUE
searchFlags: 0
linkID: 2039
systemFlags: FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.264 Attribute msDS-OperationsForAzRole

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a list of operations.

```
cn: ms-DS-Operations-For-Az-Role
ldapDisplayName: msDS-OperationsForAzRole
attributeId: 1.2.840.113556.1.4.1812
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 93f701be-fa4c-43b6-bc2f-4dbea718ffab
systemOnly: FALSE
searchFlags: 0
linkID: 2022
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.265 Attribute msDS-OperationsForAzRoleBL

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a back link from Az-Operation to Az-Role objects linking to it.

```
cn: ms-DS-Operations-For-Az-Role-BL
ldapDisplayName: msDS-OperationsForAzRoleBL
```

```
attributeId: 1.2.840.113556.1.4.1813
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: f85b6228-3734-4525-b6b7-3f3bb220902c
systemOnly: TRUE
searchFlags: 0
linkID: 2023
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.266 Attribute msDS-OperationsForAzTask

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a list of operations linked to Az-Task.

```
cn: ms-DS-Operations-For-Az-Task
ldapDisplayName: msDS-OperationsForAzTask
attributeId: 1.2.840.113556.1.4.1808
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 1aacb436-2e9d-44a9-9298-ce4debeb6ebf
systemOnly: FALSE
searchFlags: 0
linkID: 2018
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.267 Attribute msDS-OperationsForAzTaskBL

This attribute is used by the Authorization Manager Feature of Windows Server 2003 and is not necessary for Active Directory functioning. It specifies a back-link from Az-Operation to Az-Task object(s) linking to it.

```
cn: ms-DS-Operations-For-Az-Task-BL
ldapDisplayName: msDS-OperationsForAzTaskBL
attributeId: 1.2.840.113556.1.4.1809
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: a637d211-5739-4ed1-89b2-88974548bc59
systemOnly: TRUE
searchFlags: 0
linkID: 2019
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```


Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.268 Attribute msDS-Other-Settings

For a given object, this attribute specifies any configurable setting in the "Name, Value" format. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Other-Settings
ldapDisplayName: msDS-Other-Settings
attributeId: 1.2.840.113556.1.4.1621
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 79d2f34c-9d7d-42bb-838f-866b3e4400e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.269 Attribute msDS-PasswordComplexityEnabled

This attribute specifies password complexity status for user accounts.

```
cn: ms-DS-Password-Complexity-Enabled
ldapDisplayName: msDS-PasswordComplexityEnabled
attributeId: 1.2.840.113556.1.4.2015
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
schemaIdGuid: db68054b-c9c3-4bf0-b15b-0fb52552a610
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.270 Attribute msDS-PasswordHistoryLength

This attribute specifies the length of password history for user accounts.

```
cn: ms-DS-Password-History-Length
ldapDisplayName: msDS-PasswordHistoryLength
attributeId: 1.2.840.113556.1.4.2014
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
systemOnly: FALSE
```

```
searchFlags: 0
rangeLower: 0
rangeUpper: 65535
schemaIdGuid: fed81bb7-768c-4c2f-9641-2245de34794d
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.271 Attribute msDS-PasswordReversibleEncryptionEnabled

This attribute specifies password reversible encryption status for user accounts.

```
cn: ms-DS-Password-Reversible-Encryption-Enabled
ldapDisplayName: msDS-PasswordReversibleEncryptionEnabled
attributeId: 1.2.840.113556.1.4.2016
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
schemaIdGuid:: 75ccdd8f-af6c-4487-bb4b-69e4d38a959c
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.272 Attribute msDS-PasswordSettingsPrecedence

This attribute specifies the precedence of password settings.

```
cn: ms-DS-Password-Settings-Precedence
ldapDisplayName: msDS-PasswordSettingsPrecedence
attributeId: 1.2.840.113556.1.4.2023
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
schemaIdGuid: 456374ac-1f0a-4617-93cf-bc55a7c9d341
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.273 Attribute msDS-PerUserTrustQuota

For a given user, this attribute specifies a quota for creating trusted domain objects (TDOs). For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: MS-DS-Per-User-Trust-Quota
```

```
ldapDisplayName: msDS-PerUserTrustQuota
attributeId: 1.2.840.113556.1.4.1788
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d161adf0-ca24-4993-a3aa-8b2c981302e8
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.274 Attribute msDS-PerUserTrustTombstonesQuota

For a given user, this attribute specifies a quota for deleting TDOs. For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: MS-DS-Per-User-Trust-Tombstones-Quota
ldapDisplayName: msDS-PerUserTrustTombstonesQuota
attributeId: 1.2.840.113556.1.4.1790
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 8b70a6c6-50f9-4fa3-a71e-1ce03040449b
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.275 Attribute msDS-PhoneticCompanyName

This attribute contains the phonetic company name where the person works.

```
cn: ms-DS-Phonetic-Company-Name
ldapDisplayName: msDS-PhoneticCompanyName
attributeId: 1.2.840.113556.1.4.1945
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5bd5208d-e5f4-46ae-a514-543bc9c47659
systemOnly: FALSE
searchFlags: fATTINDEX | fANR
rangeLower: 1
rangeUpper: 64
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
```

```
mapiID: 35985
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.276 Attribute msDS-PhoneticDepartment

This attribute contains the phonetic department name where the person works.

```
cn: ms-DS-Phonetic-Department
ldapDisplayName: msDS-PhoneticDepartment
attributeId: 1.2.840.113556.1.4.1944
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 6cd53daf-003e-49e7-a702-6fa896e7a6ef
systemOnly: FALSE
searchFlags: fATTINDEX | fANR
rangeLower: 1
rangeUpper: 64
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
mapiID: 35984
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.277 Attribute msDS-PhoneticDisplayName

This attribute contains the phonetic display name of an object. In the absence of a phonetic display name, the existing display name is used.

```
cn: ms-DS-Phonetic-Display-Name
ldapDisplayName: msDS-PhoneticDisplayName
attributeId: 1.2.840.113556.1.4.1946
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: e21a94e4-2d66-4ce5-b30d-0ef87a776ff0
systemOnly: FALSE
searchFlags: fATTINDEX | fANR
rangeLower: 0
rangeUpper: 256
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
mapiID: 35986
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.278 Attribute msDS-PhoneticFirstName

This attribute contains the phonetic given name or first name of the person.

```
cn: ms-DS-Phonetic-First-Name
ldapDisplayName: msDS-PhoneticFirstName
attributeId: 1.2.840.113556.1.4.1942
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 4b1cba4e-302f-4134-ac7c-f01f6c797843
systemOnly: FALSE
searchFlags: fATTINDEX | fANR
rangeLower: 1
rangeUpper: 64
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
mapiID: 35982
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.279 Attribute msDS-PhoneticLastName

This attribute contains the phonetic last name of the person.

```
cn: ms-DS-Phonetic-Last-Name
ldapDisplayName: msDS-PhoneticLastName
attributeId: 1.2.840.113556.1.4.1943
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f217e4ec-0836-4b90-88af-2f5d4bbda2bc
systemOnly: FALSE
searchFlags: fATTINDEX | fANR
rangeLower: 1
rangeUpper: 64
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
mapiID: 35983
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.280 Attribute msDS-Preferred-GC-Site

This attribute specifies a preferred global catalog server and is used during group expansion. For more information, see [\[MS-SAMR\]](#).

```
cn: ms-DS-Preferred-GC-Site
ldapDisplayName: msDS-Preferred-GC-Site
attributeId: 1.2.840.113556.1.4.1444
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: d921b50a-0ab2-42cd-87f6-09cf83a91854
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

```
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.281 Attribute msDS-PrincipalName

This attribute specifies the account name for the security principal (constructed).

```
cn: ms-DS-Principal-Name
ldapDisplayName: msDS-PrincipalName
attributeId: 1.2.840.113556.1.4.1865
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 564e9325-d057-c143-9e3b-4f9e5ef46f93
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.282 Attribute msDS-PromotionSettings

For a computer, this attribute contains an XML string to be used for delegated directory system agent (DSA) promotion.

```
cn: ms-DS-Promotion-Settings
ldapDisplayName: msDS-PromotionSettings
attributeId: 1.2.840.113556.1.4.1962
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: c881b4e2-43c0-4ebe-b9bb-5250aa9b434c
systemOnly: TRUE
searchFlags: 0
rangeUpper: 65536
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.283 Attribute msDS-PSOApplied

This attribute specifies a password settings object that is applied to this object.

```
cn: ms-DS-PSO-Applied
ldapDisplayName: msDS-PSOApplied
attributeId: 1.2.840.113556.1.4.2021
attributeSyntax: 2.5.5.1
```

```

omSyntax: 127
isSingleValued: FALSE
systemOnly: TRUE
searchFlags: 0
omObjectClass: 1.3.12.2.1011.28.0.714
schemaIdGuid: 5e6cf031-bda8-43c8-aca4-8fee4127005b
linkID: 2119
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.284 Attribute msDS-PSOAppliesTo

This attribute specifies the links to objects that this password settings object applies to.

```

cn: ms-DS-PSO-Applies-To
ldapDisplayName: msDS-PSOAppliesTo
attributeId: 1.2.840.113556.1.4.2020
attributeSyntax: 2.5.5.1
omSyntax: 127
isSingleValued: FALSE
systemOnly: FALSE
searchFlags: 0
omObjectClass: 1.3.12.2.1011.28.0.714
schemaIdGuid: 64c80f48-cdd2-4881-a86d-4e97b6f561fc
linkID: 2118
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.285 Attribute msDS-QuotaAmount

This attribute specifies the assigned quota in terms of number of objects owned in the database. For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```

cn: ms-DS-Quota-Amount
ldapDisplayName: msDS-QuotaAmount
attributeId: 1.2.840.113556.1.4.1845
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: fbb9a00d-3a8c-4233-9cf9-7189264903a1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.286 Attribute msDS-QuotaEffective

For a given user, this attribute specifies the cumulative quota based on multiple policies within a given naming context (NC). For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: ms-DS-Quota-Effective
ldapDisplayName: msDS-QuotaEffective
attributeId: 1.2.840.113556.1.4.1848
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 6655b152-101c-48b4-b347-e1fceb60157
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.287 Attribute msDS-QuotaTrustee

For a given set of quotas, this attribute specifies the SID for a security principal who is constrained by the quota policy. For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: ms-DS-Quota-Trustee
ldapDisplayName: msDS-QuotaTrustee
attributeId: 1.2.840.113556.1.4.1844
attributeSyntax: 2.5.5.17
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 16378906-4ea5-49be-a8d1-bfd41dff4f65
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 28
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.288 Attribute msDS-QuotaUsed

For a given user, this attribute specifies the quota currently consumed. For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: ms-DS-Quota-Used
ldapDisplayName: msDS-QuotaUsed
attributeId: 1.2.840.113556.1.4.1849
```



```
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: b5a84308-615d-4bb7-b05f-2f1746aa439f
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.289 Attribute msDS-ReplAttributeMetaData

This attribute specifies a list of metadata for each replicated attribute. The metadata indicates who last changed the attribute. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Repl-Attribute-Meta-Data
ldapDisplayName: msDS-ReplAttributeMetaData
attributeId: 1.2.840.113556.1.4.1707
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: d7c53242-724e-4c39-9d4c-2df8c9d66c7a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.290 Attribute msDS-Replication-Notify-First-DSA-Delay

This attribute specifies the delay between changes to directory objects and notification of the first replica partner for a naming context (NC). For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Replication-Notify-First-DSA-Delay
ldapDisplayName: msDS-Replication-Notify-First-DSA-Delay
attributeId: 1.2.840.113556.1.4.1663
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 85abd4f4-0a89-4e49-bdec-6f35bb2562ba
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.291 Attribute msDS-Replication-Notify-Subsequent-DSA-Delay

This attribute specifies the delay between notification of each subsequent replica partner for a naming context (NC). For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Replication-Notify-Subsequent-DSA-Delay
ldapDisplayName: msDS-Replication-Notify-Subsequent-DSA-Delay
attributeId: 1.2.840.113556.1.4.1664
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d63db385-dd92-4b52-b1d8-0d3ecc0e86b6
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.292 Attribute msDS-ReplicationEpoch

This attribute specifies the epoch under which all the domain controllers (DCs) are replicating. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-ReplicationEpoch
ldapDisplayName: msDS-ReplicationEpoch
attributeId: 1.2.840.113556.1.4.1720
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 08e3aa79-eb1c-45b5-af7b-8f94246c8e41
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.293 Attribute msDS-ReplValueMetaData

This attribute specifies a list of metadata for each value of an attribute. The metadata indicates who last changed the value. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Repl-Value-Meta-Data
ldapDisplayName: msDS-ReplValueMetaData
attributeId: 1.2.840.113556.1.4.1708
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 2f5c8145-e1bd-410b-8957-8bfa81d5acfd
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.294 Attribute msDS-ResultantPSO

This attribute specifies the resultant password settings object applied to this object.

```
cn: ms-DS-Resultant-PSO
ldapDisplayName: msDS-ResultantPSO
attributeSyntax: 2.5.5.1
omSyntax: 127
isSingleValued: TRUE
systemOnly: TRUE
searchFlags: 0
omObjectClass: 1.3.12.2.1011.28.0.714
schemaIdGuid: b77ea093-88d0-4780-9a98-911f8e8b1dca
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.295 Attribute msDS-RetiredReplNCSignatures

This attribute specifies information about naming contexts (NCs) that are no longer held on this computer. For more information, see [\[MS-DRSR\]](#).

```
cn: ms-DS-Retired-Repl-NC-Signatures
ldapDisplayName: msDS-RetiredReplNCSignatures
attributeId: 1.2.840.113556.1.4.1826
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: d5b35506-19d6-4d26-9afb-11357ac99b5e
systemOnly: TRUE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.296 Attribute msDS-RevealedDSAs

This attribute specifies the back link for [ms-DS-Revealed-Users](#). For a user, it identifies which Directory instances (DSA) hold that user's secret.

```
cn: ms-DS-Revealed-DSAs
ldapDisplayName: msDS-RevealedDSAs
attributeId: 1.2.840.113556.1.4.1930
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 94f6f2ac-c76d-4b5e-b71f-f332c3e93c22
systemOnly: TRUE
searchFlags: 0
linkID: 2103
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.297 Attribute msDS-RevealedList

For a Directory instance (DSA), this attribute identifies the user objects whose secrets have been disclosed to that instance.

```
cn: ms-DS-Revealed-List
ldapDisplayName: msDS-RevealedList
attributeId: 1.2.840.113556.1.4.1940
attributeSyntax: 2.5.5.14
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.12
isSingleValued: FALSE
schemaIdGuid: cbdad11c-7fec-387b-6219-3a0627d9af81
systemOnly: TRUE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.298 Attribute msDS-RevealedListBL

This attribute specifies the back link attribute for [ms-DS-Revealed-List](#).

```
cn: ms-DS-Revealed-List-BL
ldapDisplayName: msDS-RevealedListBL
attributeId: 1.2.840.113556.1.4.1975
attributeSyntax: 2.5.5.1
```

```
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: aalc88fd-b0f6-429f-b2ca-9d902266e808
systemOnly: TRUE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.299 Attribute msDS-RevealedUsers

For a Directory instance (DSA), this attribute identifies the user objects whose secrets have been disclosed to that instance.

```
cn: ms-DS-Revealed-Users
ldapDisplayName: msDS-RevealedUsers
attributeId: 1.2.840.113556.1.4.1924
attributeSyntax: 2.5.5.7
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.11
isSingleValued: FALSE
schemaIdGuid: 185c7821-3749-443a-bd6a-288899071adb
systemOnly: TRUE
searchFlags: 0
linkID: 2102
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.300 Attribute msDS-RevealOnDemandGroup

For a Directory instance (DSA), this attribute identifies the security group whose users may have their secrets disclosed to that instance.

```
cn: ms-DS-Reveal-OnDemand-Group
ldapDisplayName: msDS-RevealOnDemandGroup
attributeId: 1.2.840.113556.1.4.1928
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 303d9f4a-1dd6-4b38-8fc5-33afe8c988ad
systemOnly: FALSE
searchFlags: 0
linkID: 2110
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.301 Attribute msDs-Schema-Extensions

This attribute specifies a BLOB used to store information about extensions to schema objects. For more information, see [\[MS-ADTS\]](#) section 3.1.1.2.

```
cn: ms-ds-Schema-Extensions
ldapDisplayName: msDs-Schema-Extensions
attributeId: 1.2.840.113556.1.4.1440
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: b39a61be-ed07-4cab-9a4a-4963ed0141e1
systemOnly: TRUE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.302 Attribute msDS-SDReferenceDomain

This attribute specifies the domain to be used for default security descriptor translation for a non-domain naming context (NC). For more information, see [\[MS-SECO\]](#).

```
cn: ms-DS-SD-Reference-Domain
ldapDisplayName: msDS-SDReferenceDomain
attributeId: 1.2.840.113556.1.4.1711
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 4c51e316-f628-43a5-b06b-ffb695fcb4f3
systemOnly: FALSE
searchFlags: 0
linkID: 2000
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.303 Attribute msDS-SecondaryKrbTgtNumber

For a user object (krbtgt) acting as a secondary domain master secret, this attribute identifies the protocol identification number associated with the secondary domain.

```
cn: ms-DS-Secondary-KrbTgt-Number
ldapDisplayName: msDS-SecondaryKrbTgtNumber
attributeId: 1.2.840.113556.1.4.1929
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
```

```
schemaIdGuid: aa156612-2396-467e-ad6a-28d23fdb1865
systemOnly: TRUE
searchFlags: fATTINDEX
rangeLower: 65536
rangeUpper: 65536
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.304 Attribute msDS-Security-Group-Extra-Classes

This attribute specifies the common names of the non-standard classes that can be added to a security group through the Active Directory Users and Computers snap-in (ADUC MMC).

```
cn: ms-DS-Security-Group-Extra-Classes
ldapDisplayName: msDS-Security-Group-Extra-Classes
attributeId: 1.2.840.113556.1.4.1688
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 4f146ae8-a4fe-4801-a731-f51848a4f4e4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.305 Attribute msDS-Settings

This attribute specifies settings for a given object. Its use is dependent on the object with which it is associated.

```
cn: ms-DS-Settings
ldapDisplayName: msDS-Settings
attributeId: 1.2.840.113556.1.4.1697
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 0e1b47d7-40a3-4b48-8d1b-4cac0c1cdf21
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1000000
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.306 Attribute msDS-SiteName

For a Directory instance (DSA), this attribute identifies the site name that contains the directory system agent (DSA).

```

cn: ms-DS-SiteName
ldapDisplayName: msDS-SiteName
attributeId: 1.2.840.113556.1.4.1961
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 98a7f36d-3595-448a-9e6f-6b8965baed9c
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.307 Attribute msDS-Site-Affinity

This attribute specifies site affinity and is used during group expansion. For more information, see [\[MS-SAMR\]](#).

```

cn: ms-DS-Site-Affinity
ldapDisplayName: msDS-Site-Affinity
attributeId: 1.2.840.113556.1.4.1443
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: c17c5602-bcb7-46f0-9656-6370ca884b72
systemOnly: FALSE
searchFlags: fATTINDEX
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL

```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.308 Attribute msDS-SourceObjectDN

This attribute specifies a string representation of the distinguished name of the object in another forest that has a relationship to this object. The details of the relationship are defined by the objects.

```

cn: ms-DS-Source-Object-DN
ldapDisplayName: msDS-SourceObjectDN
attributeId: 1.2.840.113556.1.4.1879
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 773e93af-d3b4-48d4-b3f9-06457602d3d0
attributeSecurityGuid: e48d0154-bcf8-11d1-8702-00c04fb96050
systemOnly: FALSE
searchFlags: 0
rangeLower: 0

```


rangeUpper: 10240

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.309 Attribute msDS-SPNSuffixes

This attribute specifies the suffixes of Domain Name System (DNS) host names used by servers in the forest. These DNS suffixes are shared with other forests that have cross-forest trust with this forest. For more information, see [\[MS-ADTS\]](#).

```
cn: ms-DS-SPN-Suffixes
ldapDisplayName: msDS-SPNSuffixes
attributeId: 1.2.840.113556.1.4.1715
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 789ee1eb-8c8e-4e4c-8cec-79b31b7617b5
systemOnly: FALSE
searchFlags: 0
rangeUpper: 255
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.310 Attribute msDS-SupportedEncryptionTypes

This attribute specifies the encryption algorithms supported by user, computer, or trust accounts. The Key Distribution Center (KDC) uses this information while generating a service ticket for this account. Services and computers may automatically update this attribute on their respective accounts in Active Directory, and therefore need write access to this attribute.

```
cn: ms-DS-Supported-Encryption-Types
ldapDisplayName: msDS-SupportedEncryptionTypes
attributeId: 1.2.840.113556.1.4.1963
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 20119867-1d04-4ab7-9371-cfc3d5df0afd
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.311 Attribute msDS-TasksForAzRole

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a list of tasks for Az-Role.

```
cn: ms-DS-Tasks-For-Az-Role
ldapDisplayName: msDS-TasksForAzRole
attributeId: 1.2.840.113556.1.4.1814
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 35319082-8c4a-4646-9386-c2949d49894d
systemOnly: FALSE
searchFlags: 0
linkID: 2024
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.312 Attribute msDS-TasksForAzRoleBL

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a back link from Az-Task to Az-Role objects linking to it.

```
cn: ms-DS-Tasks-For-Az-Role-BL
ldapDisplayName: msDS-TasksForAzRoleBL
attributeId: 1.2.840.113556.1.4.1815
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: a0dcd536-5158-42fe-8c40-c00a7ad37959
systemOnly: TRUE
searchFlags: 0
linkID: 2025
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.313 Attribute msDS-TasksForAzTask

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a list of tasks linked to Az-Task.

```
cn: ms-DS-Tasks-For-Az-Task
ldapDisplayName: msDS-TasksForAzTask
attributeId: 1.2.840.113556.1.4.1810
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
```

```
isSingleValued: FALSE
schemaIdGuid: b11c8ee2-5fcd-46a7-95f0-f38333f096cf
systemOnly: FALSE
searchFlags: 0
linkID: 2020
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.314 Attribute msDS-TasksForAzTaskBL

This attribute is used by the Authorization Manager feature of Windows Server 2003 and is not necessary for Active Directory to function. It specifies a back link from Az-Task to the Az-Task objects linking to it.

```
cn: ms-DS-Tasks-For-Az-Task-BL
ldapDisplayName: msDS-TasksForAzTaskBL
attributeId: 1.2.840.113556.1.4.1811
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: df446e52-b5fa-4ca2-a42f-13f98a526c8f
systemOnly: TRUE
searchFlags: 0
linkID: 2021
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.315 Attribute msDS-TombstoneQuotaFactor

This attribute specifies the percentage factor by which tombstone object count should be reduced for the purpose of quota accounting. ("Tombstoned" objects are objects that have been deleted but not yet removed from the directory.) For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: ms-DS-Tombstone-Quota-Factor
ldapDisplayName: msDS-TombstoneQuotaFactor
attributeId: 1.2.840.113556.1.4.1847
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 461744d7-f3b6-45ba-8753-fb9552a5df32
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 100
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.316 Attribute msDS-TopQuotaUsage

This attribute specifies the top quota users ordered by decreasing quota usage currently in the directory. For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: ms-DS-Top-Quota-Usage
ldapDisplayName: msDS-TopQuotaUsage
attributeId: 1.2.840.113556.1.4.1850
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 7b7cce4f-f1f5-4bb6-b7eb-23504af19e75
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.317 Attribute msDS-TrustForestTrustInfo

This attribute specifies forest trust information (BLOB) that is used by the system for a trusted domain object (TDO). For more information, see [\[MS-ADTS\]](#), "Well-Known Objects".

```
cn: ms-DS-Trust-Forest-Trust-Info
ldapDisplayName: msDS-TrustForestTrustInfo
attributeId: 1.2.840.113556.1.4.1702
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 29cc866e-49d3-4969-942e-1dbc0925d183
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.318 Attribute msDS-UpdateScript

This attribute is not used.

```
cn: ms-DS-UpdateScript
ldapDisplayName: msDS-UpdateScript
attributeId: 1.2.840.113556.1.4.1721
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 146eb639-bb9f-4fc1-a825-e29e00c77920
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.319 Attribute msDS-User-Account-Control-Computed

For more information, see [\[MS-ADTS\]](#) section 3.1.1.4.5.17.

```
cn: ms-DS-User-Account-Control-Computed
ldapDisplayName: msDS-User-Account-Control-Computed
attributeId: 1.2.840.113556.1.4.1460
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 2cc4b836-b63f-4940-8d23-ea7acf06af56
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: 4c164200-20c0-11d0-a768-00aa006e0529
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.320 Attribute msDS-UserPasswordExpiryTimeComputed

This attribute contains the expiry time for the user's current password.

```
cn: ms-DS-User-Password-Expiry-Time-Computed
ldapDisplayName: msDS-UserPasswordExpiryTimeComputed
attributeId: 1.2.840.113556.1.4.1996
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: add5cf10-7b09-4449-9ae6-2534148f8a72
systemOnly: FALSE
searchFlags: 0
attributeSecurityGuid: 4c164200-20c0-11d0-a768-00aa006e0529
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_ATTR_IS_CONSTRUCTED
```

```
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.321 Attribute msExchAssistantName

This attribute is unused.

```
cn: ms-Exch-Assistant-Name
ldapDisplayName: msExchAssistantName
attributeId: 1.2.840.113556.1.2.444
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a8df7394-c5ea-11d1-bbcb-0080c76670c0
searchFlags: 0
rangeLower: 1
rangeUpper: 256
mapiID: 14896
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.322 Attribute msExchHouseIdentifier

This attribute specifies a physical address for a contact in an Exchange Server address book. It is not used in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: ms-Exch-House-Identifier
ldapDisplayName: msExchHouseIdentifier
attributeId: 1.2.840.113556.1.2.596
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a8df7407-c5ea-11d1-bbcb-0080c76670c0
searchFlags: 0
rangeLower: 1
rangeUpper: 128
mapiID: 35924
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.323 Attribute msExchLabeledURI

This attribute is not used.

```
cn: ms-Exch-LabeledURI
ldapDisplayName: msExchLabeledURI
attributeId: 1.2.840.113556.1.2.593
attributeSyntax: 2.5.5.12
```

```
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 16775820-47f3-11d1-a9c3-0000f80367c1
searchFlags: 0
rangeLower: 1
rangeUpper: 1024
mapID: 35921
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.324 Attribute msFRS-Hub-Member

This attribute specifies a value used by the File Replication Service. For more information, see [MS-FRS1].

```
cn: ms-FRS-Hub-Member
ldapDisplayName: msFRS-Hub-Member
attributeId: 1.2.840.113556.1.4.1693
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 5643ff81-35b6-4ca9-9512-baf0bd0a2772
searchFlags: 0
linkID: 1046
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.325 Attribute msFRS-Topology-Pref

This attribute specifies a value used by the File Replication Service. For more information, see [MS-FRS1].

```
cn: ms-FRS-Topology-Pref
ldapDisplayName: msFRS-Topology-Pref
attributeId: 1.2.840.113556.1.4.1692
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 92aa27e0-5c50-402d-9ec1-ee847def9788
searchFlags: 0
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.326 Attribute msFVE-KeyPackage

This attribute contains a volume's BitLocker encryption key secured by the corresponding recovery password. Full Volume Encryption (FVE) was the pre-release name for BitLocker Drive Encryption.

```
cn: ms-FVE-KeyPackage
ldapDisplayName: msFVE-KeyPackage
attributeId: 1.2.840.113556.1.4.1999
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
rangeUpper: 102400
schemaIdGuid: 1fd55ea8-88a7-47dc-8129-0daa-97186a54
searchFlags: fRODCFilteredAttribute | fCONFIDENTIAL | fCOPY |
  fPRESERVEONDELETE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.327 Attribute msFVE-RecoveryGuid

This attribute contains the GUID associated with a BitLocker recovery password. Full Volume Encryption (FVE) was the pre-release name for BitLocker Drive Encryption.

```
cn: ms-FVE-RecoveryGuid
ldapDisplayName: msFVE-RecoveryGuid
attributeId: 1.2.840.113556.1.4.1965
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: f76909bc-e678-47a0-b0b3-f86a0044c06d
searchFlags: fCOPY | fPRESERVEONDELETE | fPDNTATTINDEX | fATTINDEX
rangeUpper: 128
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.328 Attribute msFVE-RecoveryPassword

This attribute contains a password that can recover a BitLocker-encrypted volume. Full Volume Encryption (FVE) was the pre-release name for BitLocker Drive Encryption.

```
cn: ms-FVE-RecoveryPassword
ldapDisplayName: msFVE-RecoveryPassword
attributeId: 1.2.840.113556.1.4.1964
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
rangeUpper: 256
schemaIdGuid: 43061ac1-c8ad-4ccc-b785-2bfac20fc60a
searchFlags: fRODCFilteredAttribute | fCONFIDENTIAL | fCOPY |
  fPRESERVEONDELETE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.329 Attribute msFVE-VolumeGuid

This attribute contains the GUID associated with a BitLocker-supported disk volume. Full Volume Encryption (FVE) was the pre-release name for BitLocker Drive Encryption.

```
cn: ms-FVE-VolumeGuid
ldapDisplayName: msFVE-VolumeGuid
attributeId: 1.2.840.113556.1.4.1965
attributeId: 1.2.840.113556.1.4.1998
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
searchFlags: fCOPY | fPRESERVEONDELETE | fPDNTATTINDEX | fATTINDEX
rangeUpper: 128
schemaIdGuid: 85e5a5cf-dcee-4075-9cfd-ac9db6a2f245
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.330 Attribute msieee80211-Data

This attribute specifies the network configurations for wireless support. For more information, see [\[MS-GPWL\]](#) section 2.2.1.

```
cn: ms-ieee-80211-Data
ldapDisplayName: msieee80211-Data
attributeId: 1.2.840.113556.1.4.1821
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 0e0d0938-2658-4580-a9f6-7a0ac7b566cb
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.331 Attribute msieee80211-DataType

This attribute specifies the network configurations for wireless support. For more information, see [\[MS-GPWL\]](#) section 2.2.1.

```
cn: ms-ieee-80211-Data-Type
ldapDisplayName: msieee80211-DataType
attributeId: 1.2.840.113556.1.4.1822
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 6558b180-35da-4efe-beed-521f8f48cafb
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.332 Attribute msieeee80211-ID

This attribute specifies the network configurations for wireless support. For more information, see [\[MS-GPWL\]](#) section 2.2.1.

```
cn: ms-ieee-80211-ID
ldapDisplayName: msieeee80211-ID
attributeId: 1.2.840.113556.1.4.1823
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 7f73ef75-14c9-4c23-81de-dd07a06f9e8b
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.333 Attribute msiFileList

For a given Active Directory domain, this attribute specifies a list of Microsoft installer files, such as the base MSI file (.msi) and MST transform files (.mst).

```
cn: Msi-File-List
ldapDisplayName: msiFileList
attributeId: 1.2.840.113556.1.4.671
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 7bfdcb7d-4807-11d1-a9c3-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.334 Attribute msIIS-FTPDir

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: ms-IIS-FTP-Dir
ldapDisplayName: msIIS-FTPDir
attributeId: 1.2.840.113556.1.4.1786
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 8a5c99e9-2230-46eb-b8e8-e59d712eb9ee
systemOnly: FALSE
```

```
searchFlags: 0
rangeLower: 1
rangeUpper: 256
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.335 Attribute msIIS-FTPRoot

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: ms-IIS-FTP-Root
ldapDisplayName: msIIS-FTPRoot
attributeId: 1.2.840.113556.1.4.1785
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 2a7827a4-1483-49a5-9d84-52e3812156b4
systemOnly: FALSE
searchFlags: 0
rangeLower: 1
rangeUpper: 256
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.336 Attribute msiScript

For a given application, this attribute specifies the Microsoft Installer (MSI) script.

```
cn: Msi-Script
ldapDisplayName: msiScript
attributeId: 1.2.840.113556.1.4.814
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: d9e18313-8939-11d1-aebe-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.337 Attribute msiScriptName

For a given application, this attribute specifies the MSI script name.

```
cn: Msi-Script-Name
```

```
ldapDisplayName: msiScriptName
attributeId: 1.2.840.113556.1.4.845
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 96a7dd62-9118-11d1-aebc-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.338 Attribute msiScriptPath

For a given application, this attribute specifies the MSI script file path.

```
cn: Msi-Script-Path
ldapDisplayName: msiScriptPath
attributeId: 1.2.840.113556.1.4.15
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: bf967937-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.339 Attribute msiScriptSize

For a given application, this attribute specifies the MSI script file size.

```
cn: Msi-Script-Size
ldapDisplayName: msiScriptSize
attributeId: 1.2.840.113556.1.4.846
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 96a7dd63-9118-11d1-aebc-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.340 Attribute MSMQ-MulticastAddress

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the multicast address associated with the queue.

```
cn: MSMQ-Multicast-Address
ldapDisplayName: MSMQ-MulticastAddress
attributeId: 1.2.840.113556.1.4.1714
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 1d2f4412-f10d-4337-9b48-6e5b125cd265
systemOnly: FALSE
searchFlags: 0
rangeLower: 9
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.341 Attribute msMQ-Recipient-FormatName

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the recipient format name of a queue.

```
cn: MSMQ-Recipient-FormatName
ldapDisplayName: msMQ-Recipient-FormatName
attributeId: 1.2.840.113556.1.4.1695
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 3bfe6748-b544-485a-b067-1b310c4334bf
systemOnly: FALSE
searchFlags: 0
rangeLower: 1
rangeUpper: 255
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.342 Attribute MSMQ-SecuredSource

This attribute was intended for use by Microsoft Message Queuing (MSMQ). However, although it is present in the schema, it is not used by MSMQ or elsewhere in Windows.

```
cn: MSMQ-Secured-Source
ldapDisplayName: MSMQ-SecuredSource
attributeId: 1.2.840.113556.1.4.1713
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 8bf0221b-7a06-4d63-91f0-1499941813d3
```

```
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.343 Attribute mSMQAuthenticate

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether authenticated messages are accepted.

```
cn: MSMQ-Authenticate
ldapDisplayName: mSMQAuthenticate
attributeId: 1.2.840.113556.1.4.923
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 9a0dc326-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.344 Attribute mSMQBasePriority

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the base priority of messages transmitted to this queue.

```
cn: MSMQ-Base-Priority
ldapDisplayName: mSMQBasePriority
attributeId: 1.2.840.113556.1.4.920
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc323-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.345 Attribute mSMQComputerType

This attribute was intended for use by Microsoft Message Queuing (MSMQ). However, although it is present in the schema, it is not used by MSMQ or elsewhere in Windows.

```
cn: MSMQ-Computer-Type
ldapDisplayName: mSMQComputerType
attributeId: 1.2.840.113556.1.4.933
attributeSyntax: 2.5.5.4
omSyntax: 20
isSingleValued: TRUE
schemaIdGuid: 9a0dc32e-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.346 Attribute mSMQComputerTypeEx

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the operating system and MSMQ version.

```
cn: MSMQ-Computer-Type-Ex
ldapDisplayName: mSMQComputerTypeEx
attributeId: 1.2.840.113556.1.4.1417
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 18120de8-f4c4-4341-bd95-32eb5bcf7c80
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.347 Attribute mSMQCost

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the cost of routing between two MSMQ endpoints.

```
cn: MSMQ-Cost
ldapDisplayName: mSMQCost
attributeId: 1.2.840.113556.1.4.946
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc33a-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.348 Attribute mSMQCSPName

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the type of cryptographic provider used by MSMQ for a given Active Directory domain.

```
cn: MSMQ-CSP-Name
ldapDisplayName: mSMQCSPName
attributeId: 1.2.840.113556.1.4.940
attributeSyntax: 2.5.5.4
omSyntax: 20
isSingleValued: TRUE
schemaIdGuid: 9a0dc334-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.349 Attribute mSMQDependentClientService

For a given server, this attribute specifies whether this server can be a supporting Microsoft Message Queuing (MSMQ) server for dependent clients.

```
cn: MSMQ-Dependent-Client-Service
ldapDisplayName: mSMQDependentClientService
attributeId: 1.2.840.113556.1.4.1239
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 2df90d83-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.350 Attribute mSMQDependentClientServices

For a given server, this attribute specifies whether the Microsoft Message Queuing service installed on the server provides MSMQ-dependent client services.

```
cn: MSMQ-Dependent-Client-Services
ldapDisplayName: mSMQDependentClientServices
attributeId: 1.2.840.113556.1.4.1226
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 2df90d76-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
```



```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.351 Attribute mSMQDigests

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies an array of digests used by MSMQ.

```
cn: MSMQ-Digests
ldapDisplayName: mSMQDigests
attributeId: 1.2.840.113556.1.4.948
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: 9a0dc33c-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 16
rangeUpper: 16
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.352 Attribute mSMQDigestsMig

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the previous value of the [mSMQDigests](#) attribute.

```
cn: MSMQ-Digests-Mig
ldapDisplayName: mSMQDigestsMig
attributeId: 1.2.840.113556.1.4.966
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: 0f71d8e0-da3b-11d1-90a5-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.353 Attribute mSMQDsService

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the MSMQ server provides access to Active Directory.

```
cn: MSMQ-Ds-Service
ldapDisplayName: mSMQDsService
attributeId: 1.2.840.113556.1.4.1238
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 2df90d82-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.354 Attribute mSMQDsServices

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the MSMQ server provides access to Active Directory.

```
cn: MSMQ-Ds-Services
ldapDisplayName: mSMQDsServices
attributeId: 1.2.840.113556.1.4.1228
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 2df90d78-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.355 Attribute mSMQEncryptKey

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the computer's public key certificate used for encryption.

```
cn: MSMQ-Encrypt-Key
ldapDisplayName: mSMQEncryptKey
attributeId: 1.2.840.113556.1.4.936
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc331-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.356 Attribute mSMQForeign

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the queue manager is a foreign system that services foreign queues.

```
cn: MSMQ-Foreign
ldapDisplayName: mSMQForeign
attributeId: 1.2.840.113556.1.4.934
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 9a0dc32f-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.357 Attribute mSMQInRoutingServers

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the distinguished names of MSMQ routing servers through which all incoming traffic to the server should be routed.

```
cn: MSMQ-In-Routing-Servers
ldapDisplayName: mSMQInRoutingServers
attributeId: 1.2.840.113556.1.4.929
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 9a0dc32c-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.358 Attribute mSMQInterval1

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the default replication time within an MSMQ site.

```
cn: MSMQ-Interval1
ldapDisplayName: mSMQInterval1
attributeId: 1.2.840.113556.1.4.1308
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 8ea825aa-3b7b-11d2-90cc-00c04fd91ab1
systemOnly: FALSE
```

```
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.359 Attribute mSMQInterval2

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the default replication time between MSMQ sites.

```
cn: MSMQ-Interval2
ldapDisplayName: mSMQInterval2
attributeId: 1.2.840.113556.1.4.1309
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 99b88f52-3b7b-11d2-90cc-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.360 Attribute mSMQJournal

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies how MSMQ tracks messages removed from the queue.

```
cn: MSMQ-Journal
ldapDisplayName: mSMQJournal
attributeId: 1.2.840.113556.1.4.918
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 9a0dc321-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.361 Attribute mSMQJournalQuota

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the journal storage quota.

```
cn: MSMQ-Journal-Quota
ldapDisplayName: mSMQJournalQuota
```

```
attributeId: 1.2.840.113556.1.4.921
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc324-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.362 Attribute mSMQLabel

This attribute was intended for use by Microsoft Message Queuing (MSMQ). However, although it is present in the schema, it is not used by MSMQ or elsewhere in Windows. It has been superseded by the [mSMQLabelEx](#) attribute.

```
cn: MSMQ-Label
ldapDisplayName: mSMQLabel
attributeId: 1.2.840.113556.1.4.922
attributeSyntax: 2.5.5.4
omSyntax: 20
isSingleValued: TRUE
schemaIdGuid: 9a0dc325-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 124
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.363 Attribute mSMQLabelEx

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies a descriptive label for a queue.

```
cn: MSMQ-Label-Ex
ldapDisplayName: mSMQLabelEx
attributeId: 1.2.840.113556.1.4.1415
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 4580ad25-d407-48d2-ad24-43e6e56793d7
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 124
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.364 Attribute mSMQLongLived

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the default value for the length of time a message has to reach a queue.

```
cn: MSMQ-Long-Lived
ldapDisplayName: mSMQLongLived
attributeId: 1.2.840.113556.1.4.941
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc335-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.365 Attribute mSMQMigrated

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies information used for MSMQ migration.

```
cn: MSMQ-Migrated
ldapDisplayName: mSMQMigrated
attributeId: 1.2.840.113556.1.4.952
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 9a0dc33f-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.366 Attribute mSMQNameStyle

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether weakened security is enabled.

```
cn: MSMQ-Name-Style
ldapDisplayName: mSMQNameStyle
attributeId: 1.2.840.113556.1.4.939
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 9a0dc333-c100-11d1-bbc5-0080c76670c0
```

```
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.367 Attribute mSMQnt4Flags

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the server is MSMQ 1.0.

```
cn: MSMQ-Nt4-Flags
ldapDisplayName: mSMQnt4Flags
attributeId: 1.2.840.113556.1.4.964
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: eb38a158-d57f-11d1-90a2-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.368 Attribute mSMQnt4Stub

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the server was migrated from a MSMQ 1.0 database.

```
cn: MSMQ-Nt4-Stub
ldapDisplayName: mSMQnt4Stub
attributeId: 1.2.840.113556.1.4.960
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: FALSE
schemaIdGuid: 6f914be6-d57e-11d1-90a2-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.369 Attribute mSMQOSType

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the operating system type of the queue manager.

```
cn: MSMQ-OS-Type
ldapDisplayName: mSMQOSType
```

```
attributeId: 1.2.840.113556.1.4.935
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc330-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.370 Attribute mSMQOutRoutingServers

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the distinguished names of the MSMQ routing servers through which outgoing traffic should be routed.

```
cn: MSMQ-Out-Routing-Servers
ldapDisplayName: mSMQOutRoutingServers
attributeId: 1.2.840.113556.1.4.928
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 9a0dc32b-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.371 Attribute mSMQOwnerID

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the GUID of the MSMQ server that owns the queue.

```
cn: MSMQ-Owner-ID
ldapDisplayName: mSMQOwnerID
attributeId: 1.2.840.113556.1.4.925
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc328-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fPRESERVEONDELETE | fATTINDEX
rangeLower: 16
rangeUpper: 16
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```


Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

2.372 Attribute mSMQPrevSiteGates

This attribute was intended for use by Microsoft Message Queuing (MSMQ). However, although it is present in the schema, it is not used by MSMQ or elsewhere in Windows.

```
cn: MSMQ-Prev-Site-Gates
ldapDisplayName: mSMQPrevSiteGates
attributeId: 1.2.840.113556.1.4.1225
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 2df90d75-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.373 Attribute mSMQPrivacyLevel

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the privacy level of the queue.

```
cn: MSMQ-Privacy-Level
ldapDisplayName: mSMQPrivacyLevel
attributeId: 1.2.840.113556.1.4.924
attributeSyntax: 2.5.5.9
omSyntax: 10
isSingleValued: TRUE
schemaIdGuid: 9a0dc327-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 2
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.374 Attribute mSMQQMID

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the GUID of the server's MSMQ configuration object.

```
cn: MSMQ-QM-ID
```

```
ldapDisplayName: mSMQQMID
attributeId: 1.2.840.113556.1.4.951
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc33e-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
rangeLower: 16
rangeUpper: 16
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.375 Attribute mSMQQueueJournalQuota

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the maximum size of the queue journal.

```
cn: MSMQ-Queue-Journal-Quota
ldapDisplayName: mSMQQueueJournalQuota
attributeId: 1.2.840.113556.1.4.963
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 8e441266-d57f-11d1-90a2-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.376 Attribute mSMQQueueNameExt

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the suffix of the queue name if the name exceeds 64 characters.

```
cn: MSMQ-Queue-Name-Ext
ldapDisplayName: mSMQQueueNameExt
attributeId: 1.2.840.113556.1.4.1243
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 2df90d87-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 92
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.377 Attribute mSMQQueueQuota

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the maximum size of the queue.

```
cn: MSMQ-Queue-Quota
ldapDisplayName: mSMQQueueQuota
attributeId: 1.2.840.113556.1.4.962
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 3f6b8e12-d57f-11d1-90a2-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.378 Attribute mSMQQueueType

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the type of service that the queue provides.

```
cn: MSMQ-Queue-Type
ldapDisplayName: mSMQQueueType
attributeId: 1.2.840.113556.1.4.917
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc320-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 16
rangeUpper: 16
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.379 Attribute mSMQQuota

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the disk quota for all queues located at the queue manager.

```
cn: MSMQ-Quota
ldapDisplayName: mSMQQuota
attributeId: 1.2.840.113556.1.4.919
```

```
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc322-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.380 Attribute mSMQRoutingService

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the server is a routing server.

```
cn: MSMQ-Routing-Service
ldapDisplayName: mSMQRoutingService
attributeId: 1.2.840.113556.1.4.1237
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 2df90d81-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.381 Attribute mSMQRoutingServices

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether the queue manager is configured as a routing server.

```
cn: MSMQ-Routing-Services
ldapDisplayName: mSMQRoutingServices
attributeId: 1.2.840.113556.1.4.1227
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 2df90d77-009f-11d2-aa4c-00c04fd7d83a
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.382 Attribute mSMQServices

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the type of service.

```
cn: MSMQ-Services
ldapDisplayName: mSMQServices
attributeId: 1.2.840.113556.1.4.950
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc33d-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.383 Attribute mSMQServiceType

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the type of service.

```
cn: MSMQ-Service-Type
ldapDisplayName: mSMQServiceType
attributeId: 1.2.840.113556.1.4.930
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc32d-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.384 Attribute mSMQSignCertificates

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains a certificate.

```
cn: MSMQ-Sign-Certificates
ldapDisplayName: mSMQSignCertificates
attributeId: 1.2.840.113556.1.4.947
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc33b-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1048576
attributeSecurityGuid: 77b5b886-944a-11d1-aebd-0000f80367c1
isMemberOfPartialAttributeSet: TRUE
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

In Windows 2000 Server, the [rangeUpper](#) attribute is not defined.

2.385 Attribute mSMQSignCertificatesMig

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the previous value of the [mSMQSignCertificates](#) attribute.

```
cn: MSMQ-Sign-Certificates-Mig
ldapDisplayName: mSMQSignCertificatesMig
attributeId: 1.2.840.113556.1.4.967
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 3881b8ea-da3b-11d1-90a5-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1048576
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

In Windows 2000 Server, the [rangeUpper](#) attribute is not defined.

2.386 Attribute mSMQSignKey

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies the computer's public key certificate used for signing.

```
cn: MSMQ-Sign-Key
ldapDisplayName: mSMQSignKey
attributeId: 1.2.840.113556.1.4.937
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc332-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.387 Attribute mSMQSite1

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the GUID of a routing site.

```
cn: MSMQ-Site-1
ldapDisplayName: mSMQSite1
attributeId: 1.2.840.113556.1.4.943
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 9a0dc337-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.388 Attribute mSMQSite2

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the GUID of a routing site.

```
cn: MSMQ-Site-2
ldapDisplayName: mSMQSite2
attributeId: 1.2.840.113556.1.4.944
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: TRUE
schemaIdGuid: 9a0dc338-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.389 Attribute mSMQSiteForeign

For a given Microsoft Message Queuing (MSMQ) object, this attribute specifies whether a site is an external messaging system.

```
cn: MSMQ-Site-Foreign
ldapDisplayName: mSMQSiteForeign
attributeId: 1.2.840.113556.1.4.961
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: FALSE
schemaIdGuid: fd129d8a-d57e-11d1-90a2-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.390 Attribute mSMQSiteGates

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the GUIDs of the MSMQ configuration objects of the servers that are site gates on the link.

```
cn: MSMQ-Site-Gates
ldapDisplayName: mSMQSiteGates
attributeId: 1.2.840.113556.1.4.945
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 9a0dc339-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.391 Attribute mSMQSiteGatesMig

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the previous value of the [mSMQSiteGates](#) attribute.

```
cn: MSMQ-Site-Gates-Mig
ldapDisplayName: mSMQSiteGatesMig
attributeId: 1.2.840.113556.1.4.1310
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: e2704852-3b7b-11d2-90cc-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.392 Attribute mSMQSiteID

This attribute was intended for use by Microsoft Message Queuing (MSMQ). However, although it is present in the schema, it is not used by MSMQ or elsewhere in Windows.

```
cn: MSMQ-Site-ID
ldapDisplayName: mSMQSiteID
```



```
attributeId: 1.2.840.113556.1.4.953
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 9a0dc340-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.393 Attribute mSMQSiteName

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the name of a site. This attribute has been superseded by the [mSMQSiteNameEx](#) attribute.

```
cn: MSMQ-Site-Name
ldapDisplayName: mSMQSiteName
attributeId: 1.2.840.113556.1.4.965
attributeSyntax: 2.5.5.4
omSyntax: 20
isSingleValued: TRUE
schemaIdGuid: ffadb4b2-de39-11d1-90a5-00c04fd91ab1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.394 Attribute mSMQSiteNameEx

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the name of a site.

```
cn: MSMQ-Site-Name-Ex
ldapDisplayName: mSMQSiteNameEx
attributeId: 1.2.840.113556.1.4.1416
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 422144fa-c17f-4649-94d6-9731ed2784ed
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.395 Attribute mSMQSites

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the site identifiers for sites to which the server belongs.

```
cn: MSMQ-Sites
ldapDisplayName: mSMQSites
attributeId: 1.2.840.113556.1.4.927
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: 9a0dc32a-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
rangeLower: 16
rangeUpper: 16
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.396 Attribute mSMQTransactional

This attribute specifies, for a queue in Microsoft Message Queuing (MSMQ), the transaction level of the queue.

```
cn: MSMQ-Transactional
ldapDisplayName: mSMQTransactional
attributeId: 1.2.840.113556.1.4.926
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 9a0dc329-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.397 Attribute mSMQUserSid

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the SID of a migrated user.

```
cn: MSMQ-User-Sid
ldapDisplayName: mSMQUserSid
attributeId: 1.2.840.113556.1.4.1337
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: c58aae32-56f9-11d2-90d0-00c04fd91ab1
```

```
systemOnly: TRUE
searchFlags: 0
rangeLower: 0
rangeUpper: 128
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT |
             FLAG_ATTR_REQ_PARTIAL_SET_MEMBER
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

In Windows 2000 Server, the following attributes are defined differently.

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

2.398 Attribute mSMQVersion

For a given Microsoft Message Queuing (MSMQ) object, this attribute contains the version number of the MSMQ information.

```
cn: MSMQ-Version
ldapDisplayName: mSMQVersion
attributeId: 1.2.840.113556.1.4.942
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 9a0dc336-c100-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.399 Attribute msNPAllowDialin

For a given user or machine account, this attribute specifies whether the account has permission to dial in to the Remote Access Service from outside the corporate network.

```
cn: msNPAllowDialin
ldapDisplayName: msNPAllowDialin
attributeId: 1.2.840.113556.1.4.1119
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: db0c9085-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: 037088f8-0ae1-11d2-b422-00a0c968f939
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.400 Attribute msNPCalledStationID

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msNPCalledStationID
ldapDisplayName: msNPCalledStationID
attributeId: 1.2.840.113556.1.4.1123
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: db0c9089-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.401 Attribute msNPCallingStationID

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msNPCallingStationID
ldapDisplayName: msNPCallingStationID
attributeId: 1.2.840.113556.1.4.1124
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: db0c908a-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: 037088f8-0ae1-11d2-b422-00a0c968f939
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.402 Attribute msNP SavedCallingStationID

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msNP SavedCallingStationID
ldapDisplayName: msNP SavedCallingStationID
attributeId: 1.2.840.113556.1.4.1130
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
```

```
schemaIdGuid: db0c908e-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.403 Attribute msPKI-Cert-Template-OID

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the object identifier for a certificate template. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Cert-Template-OID
ldapDisplayName: msPKI-Cert-Template-OID
attributeId: 1.2.840.113556.1.4.1436
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 3164c36a-ba26-468c-8bda-c1e5cc256728
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.404 Attribute msPKI-Certificate-Application-Policy

For the certificate authority (CA) for the Active Directory domain, this attribute specifies application identifiers that may be found in a certificate. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Certificate-Application-Policy
ldapDisplayName: msPKI-Certificate-Application-Policy
attributeId: 1.2.840.113556.1.4.1674
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: dbd90548-aa37-4202-9966-8c537ba5ce32
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.405 Attribute msPKI-Certificate-Name-Flag

For the certificate authority (CA) for the Active Directory domain, this attribute specifies flags to construct the subject name in an issued certificate. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Certificate-Name-Flag
```

```
ldapDisplayName: msPKI-Certificate-Name-Flag
attributeId: 1.2.840.113556.1.4.1432
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: ealdddc4-60ff-416e-8cc0-17cee534bce7
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.406 Attribute msPKI-Certificate-Policy

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the list of policy identifiers and (optional) certificate service providers (CSPs) in an issued certificate. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Certificate-Policy
ldapDisplayName: msPKI-Certificate-Policy
attributeId: 1.2.840.113556.1.4.1439
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 38942346-cc5b-424b-a7d8-6fffd12029c5f
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.407 Attribute msPKI-Enrollment-Flag

For the certificate authority (CA) for the Active Directory domain, this attribute specifies enrollment flags for clients. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Enrollment-Flag
ldapDisplayName: msPKI-Enrollment-Flag
attributeId: 1.2.840.113556.1.4.1430
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: d15ef7d8-f226-46db-ae79-b34e560bd12c
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.408 Attribute msPKI-Minimal-Key-Size

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the minimum private key size for a certificate. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Minimal-Key-Size
ldapDisplayName: msPKI-Minimal-Key-Size
attributeId: 1.2.840.113556.1.4.1433
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: e96a63f5-417f-46d3-be52-db7703c503df
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.409 Attribute msPKI-OID-Attribute

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the enterprise object identifier (OID). For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-OID-Attribute
ldapDisplayName: msPKI-OID-Attribute
attributeId: 1.2.840.113556.1.4.1671
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 8c9e1288-5028-4f4f-a704-76d026f246ef
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.410 Attribute msPKI-OID-CPS

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the certification practice statement (CPS). For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-OID-CPS
ldapDisplayName: msPKI-OID-CPS
attributeId: 1.2.840.113556.1.4.1672
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 5f49940e-a79f-4a51-bb6f-3d446a54dc6b
systemOnly: FALSE
searchFlags: 0
rangeUpper: 32768
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.411 Attribute msPKI-OID-User-Notice

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the user notice for the enterprise issuer policy OID. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-OID-User-Notice
ldapDisplayName: msPKI-OID-User-Notice
attributeId: 1.2.840.113556.1.4.1673
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 04c4da7a-e114-4e69-88de-e293f2d3b395
systemOnly: FALSE
searchFlags: 0
rangeUpper: 32768
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.412 Attribute msPKI-OIDLocalizedName

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the list of display names used to describe an object identifier (OID) by locale. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-OID-LocalizedName
ldapDisplayName: msPKI-OIDLocalizedName
attributeId: 1.2.840.113556.1.4.1712
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 7d59a816-bb05-4a72-971f-5c1331f67559
systemOnly: FALSE
searchFlags: 0
rangeUpper: 512
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.413 Attribute msPKI-Private-Key-Flag

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the private key-related flags. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Private-Key-Flag
```



```
ldapDisplayName: msPKI-Private-Key-Flag
attributeId: 1.2.840.113556.1.4.1431
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: bab04ac2-0435-4709-9307-28380e7c7001
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.414 Attribute msPKI-RA-Application-Policies

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the required registration authority (RA) application policy OID in the counter signatures of the certificate request. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-RA-Application-Policies
ldapDisplayName: msPKI-RA-Application-Policies
attributeId: 1.2.840.113556.1.4.1675
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 3c91fbbf-4773-4ccd-a87b-85d53e7bcf6a
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.415 Attribute msPKI-RA-Policies

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the required RA application policy OID in the counter signatures of the certificate request. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-RA-Policies
ldapDisplayName: msPKI-RA-Policies
attributeId: 1.2.840.113556.1.4.1438
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: d546ae22-0951-4d47-817e-1c9f96faad46
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.416 Attribute msPKI-RA-Signature

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the number of enrollment RA signatures required in an enrollment request. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-RA-Signature
ldapDisplayName: msPKI-RA-Signature
attributeId: 1.2.840.113556.1.4.1429
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: fe17e04b-937d-4f7e-8e0e-9292c8d5683e
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.417 Attribute msPKI-Supersede-Templates

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the names of the certificate templates that are superseded by the current template. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Supersede-Templates
ldapDisplayName: msPKI-Supersede-Templates
attributeId: 1.2.840.113556.1.4.1437
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 9de8ae7d-7a5b-421d-b5e4-061f79dfd5d7
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.418 Attribute msPKI-Template-Minor-Revision

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the attributes in the template that are changing. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Template-Minor-Revision
ldapDisplayName: msPKI-Template-Minor-Revision
attributeId: 1.2.840.113556.1.4.1435
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 13f5236c-1884-46b1-b5d0-484e38990d58
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.419 Attribute msPKI-Template-Schema-Version

For the certificate authority (CA) for the Active Directory domain, this attribute specifies the schema updates of the Certificate Template class object. For more information, see [\[MS-RCMP\]](#).

```
cn: ms-PKI-Template-Schema-Version
ldapDisplayName: msPKI-Template-Schema-Version
attributeId: 1.2.840.113556.1.4.1434
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 0c15e9f5-491d-4594-918f-32813a091da9
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.420 Attribute msPKIAccountCredentials

This attribute specifies the storage of encrypted user credential token BLOBS for roaming.

```
cn: ms-PKI-AccountCredentials
ldapDisplayName: msPKIAccountCredentials
attributeId: 1.2.840.113556.1.4.1894
attributeSyntax: 2.5.5.7
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.11
isSingleValued: FALSE
schemaIdGuid: b8dfa744-31dc-4ef1-ac7c-84baf7ef9da7
systemOnly: FALSE
searchFlags: fCONFIDENTIAL | fRODCFilteredAttribute
attributeSecurityGuid: 91e647de-d96f-4b70-9557-d63ff4f3ccd8
linkID: 2048
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.421 Attribute msPKIDPAPIMasterKeys

This attribute specifies the storage of encrypted Data Protection API (DPAPI) master keys for the user.

```
cn: ms-PKI-DPAPIMasterKeys
ldapDisplayName: msPKIDPAPIMasterKeys
attributeId: 1.2.840.113556.1.4.1893
```

```
attributeSyntax: 2.5.5.7
omSyntax: 127
omObjectClass: 1.2.840.113556.1.1.1.11
isSingleValued: FALSE
schemaIdGuid: b3f93023-9239-4f7c-b99c-6745d87adbc2
systemOnly: FALSE
searchFlags: fCONFIDENTIAL | fRODCFilteredAttribute
attributeSecurityGuid: 91e647de-d96f-4b70-9557-d63ff4f3ccd8
linkID: 2046
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.422 Attribute msPKIRoamingTimeStamp

This attribute specifies the time stamp for last change to roaming tokens.

```
cn: ms-PKI-RoamingTimeStamp
ldapDisplayName: msPKIRoamingTimeStamp
attributeId: 1.2.840.113556.1.4.1892
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 6617e4ac-a2f1-43ab-b60c-11fbd1facf05
systemOnly: FALSE
searchFlags: fCONFIDENTIAL | fRODCFilteredAttribute
attributeSecurityGuid: 91e647de-d96f-4b70-9557-d63ff4f3ccd8
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.423 Attribute msRADIUSCallbackNumber

This attribute specifies values used by the Microsoft Network Access Protection (NAP) service. For more information, see [\[MS-RNAP\]](#).

```
cn: msRADIUSCallbackNumber
ldapDisplayName: msRADIUSCallbackNumber
attributeId: 1.2.840.113556.1.4.1145
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: db0c909c-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: 037088f8-0ae1-11d2-b422-00a0c968f939
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.424 Attribute msRADIUS-FramedInterfaceId

This attribute indicates the IPv6 interface identifier to be configured for the user.

```
cn: ms-RADIUS-FramedInterfaceId
ldapDisplayName: msRADIUS-FramedInterfaceId
attributeId: 1.2.840.113556.1.4.1913
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: a6f24a23-d65c-4d65-a64f-35fb6873c2b9
systemOnly: FALSE
searchFlags: fCOPY
rangeUpper: 8
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.425 Attribute msRADIUSFramedIPAddress

This attribute specifies values used by the NAP service. For more information, see [\[MS-RNAP\]](#).

```
cn: msRADIUSFramedIPAddress
ldapDisplayName: msRADIUSFramedIPAddress
attributeId: 1.2.840.113556.1.4.1153
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: db0c90a4-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: 037088f8-0ae1-11d2-b422-00a0c968f939
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.426 Attribute msRADIUS-FramedIpv6Prefix

This attribute indicates an IPv6 prefix (and corresponding route) to be configured for the user.

```
cn: ms-RADIUS-FramedIpv6Prefix
ldapDisplayName: msRADIUS-FramedIpv6Prefix
attributeId: 1.2.840.113556.1.4.1915
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: f63ed610-d67c-494d-87be-cd1e24359a38
systemOnly: FALSE
searchFlags: fCOPY
rangeUpper: 16
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.427 Attribute msRADIUS-FramedIpv6Route

This attribute provides routing information to be configured for the user on the network attached storage (NAS).

```
cn: ms-RADIUS-FramedIpv6Route
ldapDisplayName: msRADIUS-FramedIpv6Route
attributeId: 1.2.840.113556.1.4.1917
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 5a5aa804-3083-4863-94e5-018a79a22ec0
systemOnly: FALSE
searchFlags: fCOPY
rangeUpper: 4096
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.428 Attribute msRADIUSFramedRoute

This attribute specifies values used by the NAP service. For more information, see [\[MS-RNAP\]](#).

```
cn: msRADIUSFramedRoute
ldapDisplayName: msRADIUSFramedRoute
attributeId: 1.2.840.113556.1.4.1158
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: db0c90a9-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: 037088f8-0ae1-11d2-b422-00a0c968f939
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.429 Attribute msRADIUS-SavedFramedInterfaceId

This attribute indicates the IPv6 interface identifier to be configured for the user.

```
cn: ms-RADIUS-SavedFramedInterfaceId
ldapDisplayName: msRADIUS-SavedFramedInterfaceId
attributeId: 1.2.840.113556.1.4.1914
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: a4da7289-92a3-42e5-b6b6-dad16d280ac9
systemOnly: FALSE
searchFlags: fCOPY
rangeUpper: 8
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.430 Attribute msRADIUS-SavedFramedIpv6Prefix

This attribute indicates an IPv6 prefix (and corresponding route) to be configured for the user.

```
cn: ms-RADIUS-SavedFramedIpv6Prefix
ldapDisplayName: msRADIUS-SavedFramedIpv6Prefix
attributeId: 1.2.840.113556.1.4.1916
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: 0965a062-b1e1-403b-b48d-5c0eb0e952cc
systemOnly: FALSE
searchFlags: fCOPY
rangeUpper: 16
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.431 Attribute msRADIUS-SavedFramedIpv6Route

This attribute provides routing information to be configured for the user on the network attached storage (NAS).

```
cn: ms-RADIUS-SavedFramedIpv6Route
ldapDisplayName: msRADIUS-SavedFramedIpv6Route
attributeId: 1.2.840.113556.1.4.1918
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 9666bb5c-df9d-4d41-b437-2eec7e27c9b3
systemOnly: FALSE
searchFlags: fCOPY
rangeUpper: 4096
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.432 Attribute msRADIUSServiceType

This attribute specifies values used by the Microsoft Network Access Protection (NAP) service. For more information, see [\[MS-RNAP\]](#).

```
cn: msRADIUSServiceType
ldapDisplayName: msRADIUSServiceType
attributeId: 1.2.840.113556.1.4.1171
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: db0c90b6-c1f2-11d1-bbc5-0080c76670c0
```

```
systemOnly: FALSE
searchFlags: fCOPY
attributeSecurityGuid: 037088f8-0ae1-11d2-b422-00a0c968f939
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.433 Attribute msRASSavedCallbackNumber

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msRASSavedCallbackNumber
ldapDisplayName: msRASSavedCallbackNumber
attributeId: 1.2.840.113556.1.4.1189
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: db0c90c5-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.434 Attribute msRASSavedFramedIPAddress

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msRASSavedFramedIPAddress
ldapDisplayName: msRASSavedFramedIPAddress
attributeId: 1.2.840.113556.1.4.1190
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: db0c90c6-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.435 Attribute msRASSavedFramedRoute

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msRASSavedFramedRoute
```



```
ldapDisplayName: msRASSavedFramedRoute
attributeId: 1.2.840.113556.1.4.1191
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: db0c90c7-c1f2-11d1-bbc5-0080c76670c0
systemOnly: FALSE
searchFlags: fCOPY
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.436 Attribute msRRASAttribute

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: ms-RRAS-Attribute
ldapDisplayName: msRRASAttribute
attributeId: 1.2.840.113556.1.4.884
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: f39b98ad-938d-11d1-aebd-0000f80367c1
systemOnly: FALSE
searchFlags: 0
isMemberOfPartialAttributeSet: TRUE
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.437 Attribute msRRASVendorAttributeEntry

This attribute is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: ms-RRAS-Vendor-Attribute-Entry
ldapDisplayName: msRRASVendorAttributeEntry
attributeId: 1.2.840.113556.1.4.883
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: f39b98ac-938d-11d1-aebd-0000f80367c1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.438 Attribute msSFU30Aliases

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Aliases
ldapDisplayName: msSFU30Aliases
attributeId: 1.2.840.113556.1.6.18.1.323
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 20ebf171-c69a-4c31-b29d-dcb837d8912d
systemOnly: FALSE
searchFlags: 0
rangeUpper: 153600
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.439 Attribute msSFU30CryptMethod

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Crypt-Method
ldapDisplayName: msSFU30CryptMethod
attributeId: 1.2.840.113556.1.6.18.1.352
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: 4503d2a3-3d70-41b8-b077-dff123c15865
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.440 Attribute msSFU30Domains

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Domains
ldapDisplayName: msSFU30Domains
attributeId: 1.2.840.113556.1.6.18.1.340
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 93095ed3-6f30-4bdd-b734-65d569f5f7c9
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 256000
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.441 Attribute msSFU30FieldSeparator

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Field-Separator
ldapDisplayName: msSFU30FieldSeparator
attributeId: 1.2.840.113556.1.6.18.1.302
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a2e11a42-e781-4ca1-a7fa-ec307f62b6a1
systemOnly: FALSE
searchFlags: 0
rangeUpper: 50
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.442 Attribute msSFU30IntraFieldSeparator

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Intra-Field-Separator
ldapDisplayName: msSFU30IntraFieldSeparator
attributeId: 1.2.840.113556.1.6.18.1.303
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 95b2aef0-27e4-4cb9-880a-a2d9a9ea23b8
systemOnly: FALSE
searchFlags: 0
rangeUpper: 50
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.443 Attribute msSFU30IsValidContainer

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Is-Valid-Container
ldapDisplayName: msSFU30IsValidContainer
attributeId: 1.2.840.113556.1.6.18.1.350
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 0dea42f5-278d-4157-b4a7-49b59664915b
systemOnly: FALSE
searchFlags: fATTINDEX
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.444 Attribute msSFU30KeyAttributes

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Key-Attributes
ldapDisplayName: msSFU30KeyAttributes
attributeId: 1.2.840.113556.1.6.18.1.301
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 32ecd698-ce9e-4894-a134-7ad76b082e83
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.445 Attribute msSFU30KeyValues

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Key-Values
ldapDisplayName: msSFU30KeyValues
attributeId: 1.2.840.113556.1.6.18.1.324
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 37830235-e5e9-46f2-922b-d8d44f03e7ae
systemOnly: FALSE
searchFlags: 0
rangeUpper: 10240
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.446 Attribute msSFU30MapFilter

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Map-Filter
ldapDisplayName: msSFU30MapFilter
attributeId: 1.2.840.113556.1.6.18.1.306
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: b7b16e01-024f-4e23-ad0d-71f1a406b684
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.447 Attribute msSFU30MasterServerName

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Master-Server-Name
ldapDisplayName: msSFU30MasterServerName
attributeId: 1.2.840.113556.1.6.18.1.307
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 4cc908a2-9e18-410e-8459-f17cc422020a
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.448 Attribute msSFU30MaxGidNumber

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Max-Gid-Number
ldapDisplayName: msSFU30MaxGidNumber
attributeId: 1.2.840.113556.1.6.18.1.342
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 04ee6aa6-f83b-469a-bf5a-3c00d3634669
systemOnly: FALSE
searchFlags: fATTINDEX
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.449 Attribute msSFU30MaxUidNumber

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Max-Uid-Number
ldapDisplayName: msSFU30MaxUidNumber
attributeId: 1.2.840.113556.1.6.18.1.343
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: ec998437-d944-4a28-8500-217588adfc75
systemOnly: FALSE
searchFlags: fATTINDEX
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.450 Attribute msSFU30Name

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Name
ldapDisplayName: msSFU30Name
attributeId: 1.2.840.113556.1.6.18.1.309
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: 16c5d1d3-35c2-4061-a870-a5cefd804f0
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.451 Attribute msSFU30NetgroupHostAtDomain

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Netgroup-Host-At-Domain
ldapDisplayName: msSFU30NetgroupHostAtDomain
attributeId: 1.2.840.113556.1.6.18.1.348
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 97d2bf65-0466-4852-a25a-ec20f57ee36c
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 2048
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.452 Attribute msSFU30NetgroupUserAtDomain

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Netgroup-User-At-Domain
ldapDisplayName: msSFU30NetgroupUserAtDomain
attributeId: 1.2.840.113556.1.6.18.1.349
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: a9e84eed-e630-4b67-b4b3-cad2a82d345e
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 2048
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.453 Attribute msSFU30NisDomain

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Nis-Domain
ldapDisplayName: msSFU30NisDomain
attributeId: 1.2.840.113556.1.6.18.1.339
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: 9ee3b2e3-c7f3-45f8-8c9f-1382be4984d2
systemOnly: FALSE
searchFlags: fPRESERVEONDELETE | fATTINDEX
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.454 Attribute msSFU30NSMAPFieldPosition

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-NSMAP-Field-Position
ldapDisplayName: msSFU30NSMAPFieldPosition
attributeId: 1.2.840.113556.1.6.18.1.345
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: TRUE
schemaIdGuid: 585c9d5e-f599-4f07-9cf9-4373af4b89d3
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.455 Attribute msSFU30OrderNumber

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Order-Number
ldapDisplayName: msSFU30OrderNumber
attributeId: 1.2.840.113556.1.6.18.1.308
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 02625f05-d1ee-4f9f-b366-55266becb95c
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.456 Attribute msSFU30PosixMember

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Posix-Member
ldapDisplayName: msSFU30PosixMember
attributeId: 1.2.840.113556.1.6.18.1.346
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: c875d82d-2848-4cec-bb50-3c5486d09d57
systemOnly: FALSE
searchFlags: 0
linkID: 2030
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.457 Attribute msSFU30PosixMemberOf

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Posix-Member-Of
ldapDisplayName: msSFU30PosixMemberOf
attributeId: 1.2.840.113556.1.6.18.1.347
attributeSyntax: 2.5.5.1
omSyntax: 127
omObjectClass: 1.3.12.2.1011.28.0.714
isSingleValued: FALSE
schemaIdGuid: 7bd76b92-3244-438a-ada6-24f5ea34381e
systemOnly: FALSE
searchFlags: 0
linkID: 2031
systemFlags: FLAG_ATTR_NOT_REPLICATED
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.458 Attribute msSFU30ResultAttributes

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Result-Attributes
ldapDisplayName: msSFU30ResultAttributes
attributeId: 1.2.840.113556.1.6.18.1.305
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: e167b0b6-4045-4433-ac35-53f972d45cba
systemOnly: FALSE
searchFlags: 0
```


rangeUpper: 1024

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.459 Attribute msSFU30SearchAttributes

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Search-Attributes
ldapDisplayName: msSFU30SearchAttributes
attributeId: 1.2.840.113556.1.6.18.1.304
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: ef9a2df0-2e57-48c8-8950-0cc674004733
systemOnly: FALSE
searchFlags: 0
rangeUpper: 1024
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.460 Attribute msSFU30SearchContainer

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Search-Container
ldapDisplayName: msSFU30SearchContainer
attributeId: 1.2.840.113556.1.6.18.1.300
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 27eebfa2-fbeb-4f8e-aad6-c50247994291
systemOnly: FALSE
searchFlags: 0
rangeUpper: 2048
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.461 Attribute msSFU30YpServers

This attribute is used by Windows Services for UNIX and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

```
cn: msSFU-30-Yp-Servers
ldapDisplayName: msSFU30YpServers
attributeId: 1.2.840.113556.1.6.18.1.341
attributeSyntax: 2.5.5.5
omSyntax: 22
isSingleValued: FALSE
schemaIdGuid: 084a944b-e150-4bfe-9345-40e1aedaebba
```

```
systemOnly: FALSE
searchFlags: fATTINDEX
rangeUpper: 20480
```

Version-Specific Behavior: Implemented on Windows Server 2003 R2 and Windows Server 2008.

2.462 Attribute msTAPI-ConferenceBlob

This attribute is used by the Telephonic Application Programming Interface (TAPI), and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008. For more information, see [\[RFC2327\]](#).

```
cn: ms-TAPI-Conference-Blob
ldapDisplayName: msTAPI-ConferenceBlob
attributeId: 1.2.840.113556.1.4.1700
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: TRUE
schemaIdGuid: 4cc4601e-7201-4141-abc8-3e529ae88863
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.463 Attribute msTAPI-IpAddress

This attribute is used by TAPI, and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008. For more information, see [\[RFC2327\]](#).

```
cn: ms-TAPI-Ip-Address
ldapDisplayName: msTAPI-IpAddress
attributeId: 1.2.840.113556.1.4.1701
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: efd7d7f7-178e-4767-87fa-f8a16b840544
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.464 Attribute msTAPI-ProtocolId

This attribute is used by TAPI, and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008. For more information, see [\[RFC2327\]](#).

```
cn: ms-TAPI-Protocol-Id
ldapDisplayName: msTAPI-ProtocolId
attributeId: 1.2.840.113556.1.4.1699
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 89c1ebcf-7a5f-41fd-99ca-c900b32299ab
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.465 Attribute msTAPI-uid

This attribute is used by TAPI, and is not used by Active Directory in Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008. For more information, see [\[RFC2327\]](#).

```
cn: ms-TAPI-Unique-Identifier
ldapDisplayName: msTAPI-uid
attributeId: 1.2.840.113556.1.4.1698
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 70a4e7ea-b3b9-4643-8918-e6dd2471bfd4
systemOnly: FALSE
searchFlags: 0
rangeUpper: 256
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.466 Attribute msTPM-OwnerInformation

This attribute contains the owner information of a particular trusted platform module (TPM).

```
cn: ms-TPM-OwnerInformation
ldapDisplayName: msTPM-OwnerInformation
attributeId: 1.2.840.113556.1.4.1966
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: aa4e1a6d-550d-4e05-8c35-4afcb917a9fe
searchFlags: fRODCFilteredAttribute | fCOPY | fPRESERVEONDELETE |
  fPDNTATTINDEX | fATTINDEX
rangeUpper: 128
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.467 Attribute msTSAAllowLogon

This attribute specifies whether the user is allowed to log on to the terminal server. The value is 1 if logon is allowed, or 0 if logon is not allowed.

```
cn: ms-TS-Allow-Logon
ldapDisplayName: msTSAAllowLogon
attributeId: 1.2.840.113556.1.4.1979
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 3a0cd464-bc54-40e7-93ae-a646a6ecc4b4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.468 Attribute msTSBrokenConnectionAction

This attribute specifies the action to take when a Terminal Services session limit is reached. The value is 1 if the client session should be terminated, or 0 if the client session should be disconnected.

```
cn: ms-TS-Broken-Connection-Action
ldapDisplayName: msTSBrokenConnectionAction
attributeId: 1.2.840.113556.1.4.1985
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 1cf41bba-5604-463e-94d6-1a1287b72ca3
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.469 Attribute msTSConnectClientDrives

This attribute specifies whether to reconnect to mapped client drives at logon. The value is 1 if reconnection is enabled, or 0 if reconnection is disabled.

```
cn: ms-TS-Connect-Client-Drives
ldapDisplayName: msTSConnectClientDrives
attributeId: 1.2.840.113556.1.4.1986
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 23572aaf-29dd-44ea-b0fa-7e8438b9a4a3
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.470 Attribute msTSConnectPrinterDrives

This attribute specifies whether to reconnect to mapped client printers at logon. The value is 1 if reconnection is enabled, or 0 if reconnection is disabled.

```
cn: ms-TS-Connect-Printer-Drives
ldapDisplayName: msTSConnectPrinterDrives
attributeId: 1.2.840.113556.1.4.1987
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 8ce6a937-871b-4c92-b285-d99d4036681c
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.471 Attribute msTSDefaultToMainPrinter

This attribute specifies whether to print automatically to the client's default printer. The value is 1 if printing to the client's default printer is enabled, or 0 if it is disabled.

```
cn: ms-TS-Default-To-Main-Printer
ldapDisplayName: msTSDefaultToMainPrinter
attributeId: 1.2.840.113556.1.4.1988
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: c0ffe2bd-cacf-4dc7-88d5-61e9e95766f6
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.472 Attribute msTSExpireDate

This attribute specifies the expiration date of the Terminal Services session per user Client Address License (CAL).

```
cn: MS-TS-ExpireDate
ldapDisplayName: msTSExpireDate
attributeId: 1.2.840.113556.1.4.1993
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: TRUE
schemaIdGuid: 70004ef5-25c3-446a-97c8-996ae8566776
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

```
showInAdvancedViewOnly: TRUE
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.473 Attribute msTSExpireDate2

This attribute specifies the expiration date of the second Terminal Services session per user Client Address License (CAL).

```
cn: MS-TS-ExpireDate2
ldapDisplayName: msTSExpireDate2
attributeId: 1.2.840.113556.1.4.2000
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: TRUE
schemaIdGuid: 54dfcf71-bc3f-4f0b-9d5a-4b2476bb8925
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
showInAdvancedViewOnly: TRUE
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.474 Attribute msTSExpireDate3

This attribute specifies the expiration date of the third Terminal Services session per user CAL.

```
cn: MS-TS-ExpireDate3
ldapDisplayName: msTSExpireDate3
attributeId: 1.2.840.113556.1.4.2003
attributeSyntax: 2.5.5.11
omSyntax: 24
isSingleValued: TRUE
schemaIdGuid: 41bc7f04-be72-4930-bd10-1f3439412387
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
showInAdvancedViewOnly: TRUE
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.475 Attribute msTSExpireDate4

This attribute specifies the expiration date of the fourth Terminal Services session per user CAL.

```
cn: MS-TS-ExpireDate4
ldapDisplayName: msTSExpireDate4
attributeId: 1.2.840.113556.1.4.2006
attributeSyntax: 2.5.5.11
omSyntax: 24
```

```
isSingleValued: TRUE
schemaIdGuid: 5e11dc43-204a-4faf-a008-6863621c6f5f
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
showInAdvancedViewOnly: TRUE
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.476 Attribute msTSHomeDirectory

This attribute specifies the home directory for the user. Each user on a terminal server has a unique home directory. This ensures that application information is stored separately for each user in a multi-user environment. To set a home directory on the local computer, the implementer specifies a local path; for example, C:\Path. To set a home directory in a network environment, the implementer must first set the TerminalServicesHomeDrive property, and then set this property to a Universal Naming Convention (UNC) path.

```
cn: ms-TS-Home-Directory
ldapDisplayName: msTSHomeDirectory
attributeId: 1.2.840.113556.1.4.1977
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5d3510f0-c4e7-4122-b91f-a20add90e246
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.477 Attribute msTSHomeDrive

This attribute specifies a home drive for the user. In a network environment, this property is a string containing a drive specification (a drive letter followed by a colon) to which the UNC path specified in the TerminalServicesHomeDirectory property is mapped. To set a home directory in a network environment, the implementer must first set this property, and then set the TerminalServicesHomeDirectory property.

```
cn: ms-TS-Home-Drive
ldapDisplayName: msTSHomeDrive
attributeId: 1.2.840.113556.1.4.1978
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5f0a24d9-dffa-4cd9-acbf-a0680c03731e
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.478 Attribute msTSInitialProgram

This attribute specifies the path and file name of the application that the user wants to start automatically when the user logs on to the terminal server. To set an initial application to start when the user logs on, the implementer must first set this property, and then set the TerminalServicesWorkDirectory property. If the implementer sets only the TerminalServicesInitialProgram property, the application starts in the user's session in the default user directory.

```
cn: ms-TS-Initial-Program
ldapDisplayName: msTSInitialProgram
attributeId: 1.2.840.113556.1.4.1990
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 9201ac6f-1d69-4dfb-802e-d95510109599
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.479 Attribute msTSLicenseVersion

This attribute specifies the version of the Terminal Services session per user CAL.

```
cn: MS-TS-LicenseVersion
ldapDisplayName: msTSLicenseVersion
attributeId: 1.2.840.113556.1.4.1994
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 0ae94a89-372f-4df2-ae8a-c64a2bc47278
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.480 Attribute msTSLicenseVersion2

This attribute specifies the version of the second Terminal Services session per user CAL.

```
cn: MS-TS-LicenseVersion2
ldapDisplayName: msTSLicenseVersion2
```



```
attributeId: 1.2.840.113556.1.4.2001
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 4b0df103-8d97-45d9-ad69-85c3080ba4e7
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 255
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.481 Attribute msTSLicenseVersion3

This attribute specifies the version of the third Terminal Services session per user CAL.

```
cn: MS-TS-LicenseVersion3
ldapDisplayName: msTSLicenseVersion3
attributeId: 1.2.840.113556.1.4.2004
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f8ba8f81-4cab-4973-a3c8-3a6da62a5e31
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 255
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.482 Attribute msTSLicenseVersion4

This attribute specifies the version of the fourth Terminal Services session per user CAL.

```
cn: MS-TS-LicenseVersion4
ldapDisplayName: msTSLicenseVersion4
attributeId: 1.2.840.113556.1.4.2007
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 70ca5d97-2304-490a-8a27-52678c8d2095
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 255
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.483 Attribute msTSLSPROPERTY01

Placeholder Terminal Server License Server Property 01.

```
cn: MS-TSLS-Property01
ldapDisplayName: msTSLSPROPERTY01
attributeId: 1.2.840.113556.1.4.2009
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 32767
schemaIdGuid: 87e53590-971d-4a52-955b-4794d15a84ae
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.484 Attribute msTSLSPROPERTY02

Placeholder Terminal Server License Server Property 02.

```
cn: MS-TSLS-Property02
ldapDisplayName: msTSLSPROPERTY02
attributeId: 1.2.840.113556.1.4.2010
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 32767
schemaIdGuid: 47c77bb0-316e-4e2f-97f1-0d4c48fca9dd
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.485 Attribute msTSManagingLS

This attribute specifies the issuer name of the Terminal Services session per user CAL.

```
cn: MS-TS-ManagingLS
ldapDisplayName: msTSManagingLS
attributeId: 1.2.840.113556.1.4.1995
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f3bcc547-85b0-432c-9ac0-304506bf2c83
systemOnly: FALSE
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.486 Attribute msTSManagingLS2

This attribute specifies the issuer name of the second Terminal Services session per user CAL.

```
cn: MS-TS-ManagingLS2
ldapDisplayName: msTSManagingLS2
attributeId: 1.2.840.113556.1.4.2002
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
systemOnly: FALSE
rangeLower: 0
rangeUpper: 255
schemaIdGuid: 349f0757-51bd-4fc8-9d66-3ecee8a25be
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.487 Attribute msTSManagingLS3

This attribute specifies the issuer name of the third Terminal Services session per user CAL.

```
cn: MS-TS-ManagingLS3
ldapDisplayName: msTSManagingLS3
attributeId: 1.2.840.113556.1.4.2005
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
systemOnly: FALSE
rangeLower: 0
rangeUpper: 255
schemaIdGuid: fad5dcc1-2130-4c87-a118-75322cd67050
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.488 Attribute msTSManagingLS4

This attribute specifies the issuer name of the fourth Terminal Services session per user CAL.

```
cn: MS-TS-ManagingLS4
ldapDisplayName: msTSManagingLS4
attributeId: 1.2.840.113556.1.4.2008
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
systemOnly: FALSE
rangeLower: 0
```

```
rangeUpper: 255
schemaIdGuid: f7a3b6a0-2107-4140-b306-75cb521731e5
searchFlags: fATTINDEX
attributeSecurityGuid: 5805bc62-bdc9-4428-a5e2-856a0f4c185e
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.489 Attribute msTSMaxConnectionTime

This attribute specifies the maximum duration (in minutes) of the Terminal Services session. After the specified number of minutes have elapsed, the session can be disconnected or terminated.

```
cn: ms-TS-Max-Connection-Time
ldapDisplayName: msTSMaxConnectionTime
attributeId: 1.2.840.113556.1.4.1982
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 1d960ee2-6464-4e95-a781-e3b5cd5f9588
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.490 Attribute msTSMaxDisconnectionTime

This attribute specifies the maximum amount of time (in minutes) that a disconnected Terminal Services session remains active on the terminal server. After the specified number of minutes have elapsed, the session is terminated.

```
cn: ms-TS-Max-Disconnection-Time
ldapDisplayName: msTSMaxDisconnectionTime
attributeId: 1.2.840.113556.1.4.1981
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 326f7089-53d8-4784-b814-46d8535110d2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.491 Attribute msTSMaxIdleTime

This attribute specifies the maximum amount of time (in minutes) that the Terminal Services session can remain idle. After the specified number of minutes have elapsed, the session can be disconnected or terminated.

```
cn: ms-TS-Max-Idle-Time
```

```
ldapDisplayName: msTSMaxIdleTime
attributeId: 1.2.840.113556.1.4.1983
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: ff739e9c-6bb7-460e-b221-e250f3de0f95
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.492 Attribute msTSProfilePath

This attribute specifies a roaming or mandatory profile path to use when the user logs on to the terminal server. The profile path is in the following network path format: \\servername\profiles folder name\username.

```
cn: ms-TS-Profile-Path
ldapDisplayName: msTSProfilePath
attributeId: 1.2.840.113556.1.4.1976
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: e65c30db-316c-4060-a3a0-387b083f09cd
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.493 Attribute msTSProperty01

Placeholder Terminal Server Property 01.

```
cn: MS-TS-Property01
ldapDisplayName: msTSProperty01
attributeId: 1.2.840.113556.1.4.1991
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: faaea977-9655-49d7-853d-f27bb7aaca0f
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 32767
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.494 Attribute msTSProperty02

Placeholder Terminal Server Property 02.

```
cn: MS-TS-Property02
ldapDisplayName: msTSProperty02
attributeId: 1.2.840.113556.1.4.1992
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 3586f6ac-51b7-4978-ab42-f936463198e7
systemOnly: FALSE
searchFlags: fATTINDEX
rangeLower: 0
rangeUpper: 32767
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.495 Attribute msTSReconnectionAction

This attribute specifies whether to allow reconnection to a disconnected Terminal Services session from any client computer. The value is 1 if reconnection is allowed from the original client computer only, or 0 if reconnection from any client computer is allowed.

```
cn: ms-TS-Reconnection-Action
ldapDisplayName: msTSReconnectionAction
attributeId: 1.2.840.113556.1.4.1984
attributeSyntax: 2.5.5.8
omSyntax: 1
isSingleValued: TRUE
schemaIdGuid: 366ed7ca-3e18-4c7f-abae-351a01e4b4f7
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.496 Attribute msTSRemoteControl

This attribute specifies whether to allow remote observation or remote control of the user's Terminal Services session. The values are as follows:

- 0: Disable
- 1: EnableInputNotify
- 2: EnableInputNoNotify
- 3: EnableNoInputNotify
- 4: EnableNoInputNoNotify

For a description of these values, see the RemoteControl method of the Win32_TSRemoteControlSetting WMI class.

```
cn: ms-TS-Remote-Control
ldapDisplayName: msTSRemoteControl
attributeId: 1.2.840.113556.1.4.1980
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 15177226-8642-468b-8c48-03ddfd004982
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.497 Attribute msTSWorkDirectory

This attribute specifies the working directory path for the user. To set an initial application to start when the user logs on to the terminal server, the implementer must first set the TerminalServicesInitialProgram property, and then set this property.

```
cn: ms-TS-Work-Directory
ldapDisplayName: msTSWorkDirectory
attributeId: 1.2.840.113556.1.4.1989
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: a744f666-3d3c-4cc8-834b-9d4f6f687b8b
systemOnly: FALSE
searchFlags: 0
rangeLower: 0
rangeUpper: 32767
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2008.

2.498 Attribute msWMI-Author

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the author of an instance of a class.

```
cn: ms-WMI-Author
ldapDisplayName: msWMI-Author
attributeId: 1.2.840.113556.1.4.1623
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 6366c0c1-6972-4e66-b3a5-1d52ad0c0547
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.499 Attribute msWMI-ChangeDate

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the last date that an object was changed.

```
cn: ms-WMI-ChangeDate
ldapDisplayName: msWMI-ChangeDate
attributeId: 1.2.840.113556.1.4.1624
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: f9cdf7a0-ec44-4937-a79b-cd91522b3aa8
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.500 Attribute msWMI-Class

This attribute is used by the Windows Management Instrumentation (WMI) protocol for network communication ([\[MS-WMI\]](#)) and specifies the name of a WMI Class object in an associated encoding (for example, Win32_ComputerSystem).

```
cn: ms-WMI-Class
ldapDisplayName: msWMI-Class
attributeId: 1.2.840.113556.1.4.1676
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 90c1925f-4a24-4b07-b202-be32eb3c8b74
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.501 Attribute msWMI-ClassDefinition

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies a class definition to be instated in some WMI namespace.

```
cn: ms-WMI-ClassDefinition
ldapDisplayName: msWMI-ClassDefinition
attributeId: 1.2.840.113556.1.4.1625
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 2b9c0ebc-c272-45cb-99d2-4d0e691632e0
systemOnly: FALSE
searchFlags: 0
```



```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.502 Attribute msWMI-CreationDate

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the creation time of an instance.

```
cn: ms-WMI-CreationDate
ldapDisplayName: msWMI-CreationDate
attributeId: 1.2.840.113556.1.4.1626
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 748b0a2e-3351-4b3f-b171-2f17414ea779
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.503 Attribute msWMI-Genus

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the object type of an encoding.

```
cn: ms-WMI-Genus
ldapDisplayName: msWMI-Genus
attributeId: 1.2.840.113556.1.4.1677
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 50c8673a-8f56-4614-9308-9e1340fb9af3
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.504 Attribute msWMI-ID

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies a unique ID for an object instance.

```
cn: ms-WMI-ID
ldapDisplayName: msWMI-ID
attributeId: 1.2.840.113556.1.4.1627
attributeSyntax: 2.5.5.12
```

```
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 9339a803-94b8-47f7-9123-a853b9ff7e45
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.505 Attribute msWMI-Int8Default

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the default value for WMI 64-bit integer parameter objects.

```
cn: ms-WMI-int8Default
ldapDisplayName: msWMI-Int8Default
attributeId: 1.2.840.113556.1.4.1632
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: f4d8085a-8c5b-4785-959b-dc585566e445
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.506 Attribute msWMI-Int8Max

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the maximum value for a WMI 64-bit integer parameter object.

```
cn: ms-WMI-int8Max
ldapDisplayName: msWMI-Int8Max
attributeId: 1.2.840.113556.1.4.1633
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: e3d8b547-003d-4946-a32b-dc7cedc96b74
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.507 Attribute msWMI-Int8Min

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the minimum value for a WMI 64-bit integer parameter object.

```
cn: ms-WMI-int8Min
ldapDisplayName: msWMI-Int8Min
attributeId: 1.2.840.113556.1.4.1634
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: TRUE
schemaIdGuid: ed1489d1-54cc-4066-b368-a00daa2664f1
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.508 Attribute msWMI-Int8ValidValues

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the valid values for a WMI 64-bit integer parameter object.

```
cn: ms-WMI-int8ValidValues
ldapDisplayName: msWMI-Int8ValidValues
attributeId: 1.2.840.113556.1.4.1635
attributeSyntax: 2.5.5.16
omSyntax: 65
isSingleValued: FALSE
schemaIdGuid: 103519a9-c002-441b-981a-b0b3e012c803
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.509 Attribute msWMI-IntDefault

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the default value for WMI 32-bit integer parameter objects.

```
cn: ms-WMI-intDefault
ldapDisplayName: msWMI-IntDefault
attributeId: 1.2.840.113556.1.4.1628
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 1b0c07f8-76dd-4060-a1e1-70084619dc90
```

```
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.510 Attribute msWMI-intFlags1

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-intFlags1
ldapDisplayName: msWMI-intFlags1
attributeId: 1.2.840.113556.1.4.1678
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 18e006b9-6445-48e3-9dcf-b5ecfbc4df8e
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.511 Attribute msWMI-intFlags2

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-intFlags2
ldapDisplayName: msWMI-intFlags2
attributeId: 1.2.840.113556.1.4.1679
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 075a42c9-c55a-45b1-ac93-eb086b31f610
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.512 Attribute msWMI-intFlags3

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-intFlags3
ldapDisplayName: msWMI-intFlags3
```

```
attributeId: 1.2.840.113556.1.4.1680
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: f29fa736-de09-4be4-b23a-e734c124bacc
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.513 Attribute msWMI-intFlags4

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-intFlags4
ldapDisplayName: msWMI-intFlags4
attributeId: 1.2.840.113556.1.4.1681
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: bd74a7ac-c493-4c9c-bdfa-5c7b119ca6b2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.514 Attribute msWMI-IntMax

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the maximum value for a WMI 32-bit integer parameter object.

```
cn: ms-WMI-intMax
ldapDisplayName: msWMI-IntMax
attributeId: 1.2.840.113556.1.4.1629
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: fb920c2c-f294-4426-8ac1-d24b42aa2bce
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.515 Attribute msWMI-IntMin

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the minimum value for a WMI 32-bit integer parameter object.

```
cn: ms-WMI-intMin
ldapDisplayName: msWMI-IntMin
attributeId: 1.2.840.113556.1.4.1630
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: TRUE
schemaIdGuid: 68c2e3ba-9837-4c70-98e0-f0c33695d023
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.516 Attribute msWMI-IntValidValues

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the valid values for a WMI 32-bit integer parameter object.

```
cn: ms-WMI-intValidValues
ldapDisplayName: msWMI-IntValidValues
attributeId: 1.2.840.113556.1.4.1631
attributeSyntax: 2.5.5.9
omSyntax: 2
isSingleValued: FALSE
schemaIdGuid: 6af565f6-a749-4b72-9634-3c5d47e6b4e0
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.517 Attribute msWMI-Mof

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the Manage Operations Framework (MOF) definition of some WMI object.

```
cn: ms-WMI-Mof
ldapDisplayName: msWMI-Mof
attributeId: 1.2.840.113556.1.4.1638
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 6736809f-2064-443e-a145-81262b1f1366
```

```
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.518 Attribute msWMI-Name

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the friendly name for top-level policy objects.

```
cn: ms-WMI-Name
ldapDisplayName: msWMI-Name
attributeId: 1.2.840.113556.1.4.1639
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: c6c8ace5-7e81-42af-ad72-77412c5941c4
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.519 Attribute msWMI-NormalizedClass

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the name of a core WMI policy class.

```
cn: ms-WMI-NormalizedClass
ldapDisplayName: msWMI-NormalizedClass
attributeId: 1.2.840.113556.1.4.1640
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: eaba628f-eb8e-4fe9-83fc-693be695559b
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.520 Attribute msWMI-Parm1

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-Parm1
ldapDisplayName: msWMI-Parm1
```

```
attributeId: 1.2.840.113556.1.4.1682
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 27e81485-b1b0-4a8b-bedd-ce19a837e26e
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.521 Attribute msWMI-Parm2

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-Parm2
ldapDisplayName: msWMI-Parm2
attributeId: 1.2.840.113556.1.4.1683
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 0003508e-9c42-4a76-a8f4-38bf64bab0de
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.522 Attribute msWMI-Parm3

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-Parm3
ldapDisplayName: msWMI-Parm3
attributeId: 1.2.840.113556.1.4.1684
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 45958fb6-52bd-48ce-9f9f-c2712d9f2bfc
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.523 Attribute msWMI-Parm4

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication and specifies flags described in [\[MS-WMI\]](#).

```
cn: ms-WMI-Parm4
ldapDisplayName: msWMI-Parm4
attributeId: 1.2.840.113556.1.4.1685
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 3800d5a3-f1ce-4b82-a59a-1528ea795f59
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.524 Attribute msWMI-PropertyName

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the target policy object name for a parameter object.

```
cn: ms-WMI-PropertyName
ldapDisplayName: msWMI-PropertyName
attributeId: 1.2.840.113556.1.4.1641
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: ab920883-e7f8-4d72-b4a0-c0449897509d
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.525 Attribute msWMI-Query

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies a single WMI Query Language (WQL) query.

```
cn: ms-WMI-Query
ldapDisplayName: msWMI-Query
attributeId: 1.2.840.113556.1.4.1642
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 65fff93e-35e3-45a3-85ae-876c6718297f
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.526 Attribute msWMI-QueryLanguage

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies a WMI Query Language (WQL).

```
cn: ms-WMI-QueryLanguage
ldapDisplayName: msWMI-QueryLanguage
attributeId: 1.2.840.113556.1.4.1643
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 7d3cfa98-c17b-4254-8bd7-4de9b932a345
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.527 Attribute msWMI-ScopeGuid

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the GUID for the scope in which the associated encoding is located.

```
cn: ms-WMI-ScopeGuid
ldapDisplayName: msWMI-ScopeGuid
attributeId: 1.2.840.113556.1.4.1686
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 87b78d51-405f-4b7f-80ed-2bd28786f48d
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.528 Attribute msWMI-SourceOrganization

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the business organization that initially created a policy object.

```
cn: ms-WMI-SourceOrganization
ldapDisplayName: msWMI-SourceOrganization
attributeId: 1.2.840.113556.1.4.1644
attributeSyntax: 2.5.5.12
omSyntax: 64
```

```
isSingleValued: TRUE
schemaIdGuid: 34f7ed6c-615d-418d-aa00-549a7d7be03e
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.529 Attribute msWMI-StringDefault

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the default string setting for a set of string parameter objects.

```
cn: ms-WMI-stringDefault
ldapDisplayName: msWMI-StringDefault
attributeId: 1.2.840.113556.1.4.1636
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 152e42b6-37c5-4f55-ab48-1606384a9aea
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.530 Attribute msWMI-StringValidValues

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the set of strings belonging to a string set parameter object.

```
cn: ms-WMI-stringValidValues
ldapDisplayName: msWMI-StringValidValues
attributeId: 1.2.840.113556.1.4.1637
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: FALSE
schemaIdGuid: 37609d31-a2bf-4b58-8f53-2b64e57a076d
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.531 Attribute msWMI-TargetClass

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the class name of the policy object to be created.

```
cn: ms-WMI-TargetClass
ldapDisplayName: msWMI-TargetClass
attributeId: 1.2.840.113556.1.4.1645
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 95b6d8d6-c9e8-4661-a2bc-6a5cabc04c62
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.532 Attribute msWMI-TargetNameSpace

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the namespace in which the object is to be created.

```
cn: ms-WMI-TargetNameSpace
ldapDisplayName: msWMI-TargetNameSpace
attributeId: 1.2.840.113556.1.4.1646
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 1c4ab61f-3420-44e5-849d-8b5dbf60feb7
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.533 Attribute msWMI-TargetObject

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the one or more binary sequences representing compiled WMI objects.

```
cn: ms-WMI-TargetObject
ldapDisplayName: msWMI-TargetObject
attributeId: 1.2.840.113556.1.4.1647
attributeSyntax: 2.5.5.10
omSyntax: 4
isSingleValued: FALSE
schemaIdGuid: c44f67a5-7de5-4a1f-92d9-662b57364b77
systemOnly: FALSE
searchFlags: 0
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.534 Attribute msWMI-TargetPath

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the list of key/value pairs that uniquely identify a WMI object.

```
cn: ms-WMI-TargetPath
ldapDisplayName: msWMI-TargetPath
attributeId: 1.2.840.113556.1.4.1648
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: 5006a79a-6bfe-4561-9f52-13cf4dd3e560
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.535 Attribute msWMI-TargetType

This attribute is used by the Windows Management Instrumentation (WMI) Protocol for network communication ([\[MS-WMI\]](#)) and specifies the WMI reference to a type definition for a policy object.

```
cn: ms-WMI-TargetType
ldapDisplayName: msWMI-TargetType
attributeId: 1.2.840.113556.1.4.1649
attributeSyntax: 2.5.5.12
omSyntax: 64
isSingleValued: TRUE
schemaIdGuid: ca2a281e-262b-4ff7-b419-bc123352a4e9
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: Implemented on Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

2.536 Attribute mustContain

This attribute is used by Active Directory to specify the list of mandatory attributes for a class.

```
cn: Must-Contain
ldapDisplayName: mustContain
attributeId: 1.2.840.113556.1.2.24
attributeSyntax: 2.5.5.2
```

```
omSyntax: 6
isSingleValued: FALSE
schemaIdGuid: bf9679d3-0de6-11d0-a285-00aa003049e2
systemOnly: FALSE
searchFlags: 0
systemFlags: FLAG_SCHEMA_BASE_OBJECT
schemaFlagsEx: FLAG_ATTR_IS_CRITICAL
```

Version-Specific Behavior: Implemented on Windows 2000 Server, Windows Server 2003, Windows Server 2003 R2, and Windows Server 2008.

The [schemaFlagsEx](#) attribute was added to this attribute definition in Windows Server 2008.

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