

[MS-ADSC-Diff]: Active Directory Schema Classes

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Revision Summary

Date	Revision History	Revision Class	Comments
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6/1/2007	1.0	Major	Updated and revised the technical content.
7/3/2007	2.0	Major	Added DFS content.
7/20/2007	2.1	Minor	Enhanced descriptions for MSMQ attributes
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9/28/2007	2.1.2	Editorial	Changed language and formatting in the technical content.
10/23/2007	2.1.3	Editorial	Changed language and formatting in the technical content.
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1/25/2008	3.0.1	Editorial	Changed language and formatting in the technical content.
3/14/2008	3.0.2	Editorial	Changed language and formatting in the technical content.
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7/16/2010	12.0	None	No changes to the meaning, language, or formatting of the

Date	Revision History	Revision Class	Comments
			technical content.
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6/17/2011	14.3	Minor	Clarified the meaning of the technical content.
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6/1/2017	21.0	None	No changes to the meaning, language, or formatting of the technical content.
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12/1/2017	22.0	None	No changes to the meaning, language, or formatting of the technical content.
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1 Introduction

Active Directory Schema Classes contains a list of the objects of type "class" that exist in the Active Directory schema [for Active Directory Domain Services \(AD DS\)](#). Active Directory and all associated terms and concepts are described in [MS-ADTS].

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. For details about the Active Directory schema, see [MS-ADTS] section 3.1.1.2 (Active Directory Schema).

Note: The object definitions in this document are also available for download in LDAP Data Interchange Format (LDIF) at the following location: [MSFT-ADSCHEMA].

[Note: The object definitions in this document contain information about the product in which the objects were first implemented in the Active Directory schema. Unless otherwise specified, objects continue to be available in the Active Directory schema in all subsequent versions of the product according to the list of products in \[MS-ADTS\] section 1.](#)

1.1 References

[MS-ADTS] Microsoft Corporation, "Active Directory Technical Specification".

[MS-DTYP] Microsoft Corporation, "Windows Data Types".

[MSFT-ADSCHEMA] Microsoft Corporation, "Combined Active Directory Schema Classes and Attributes for Windows Server", December 2013, <http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=da2fc73a-3d35-484c-9bea-f023dcba7275>

[RFC1035] Mockapetris, P., "Domain Names - Implementation and Specification", STD 13, RFC 1035, November 1987, <http://www.ietf.org/rfc/rfc1035.txt>

[RFC1831] Srinivasan, R., "RPC: Remote Procedure Call Protocol Specification Version 2", RFC 1831, August 1995, <http://www.ietf.org/rfc/rfc1831.txt>

[RFC2181] Elz, R., and Bush, R., "Clarifications to the DNS Specification", RFC 2181, July 1997, <http://www.ietf.org/rfc/rfc2181.txt>

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

[RFC4524] Zeilenga, K., Ed., "COSINE LDAP/X.500 Schema", RFC 4524, June 2006, <http://www.rfc-editor.org/rfc/rfc4524.txt>

2 Classes

The following sections specify the classes in the Active Directory schema.

These sections normatively specify the schema definition of each class and version-specific behavior of those schema definitions (such as when the class was added to the schema). Additionally, as an aid to the reader some of the sections include informative notes about how the class can be used.

Note: In the following class definitions, "<SchemaNCDN>" is the DN of the schema NC. For more information, see [MS-ADTS] section 3.1.1.1.7.

Note: Lines of text in the class definitions that are excessively long have been "folded" in accordance with [RFC2849] Note 2.

2.1 Class account

This class is not used. It is included for compatibility with [RFC4524] section 3.1.

```
cn: account
ldapDisplayName: account
governsId: 0.9.2342.19200300.100.4.5
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
mayContain: uid, host, ou, o, l, seeAlso, description
possSuperiors: organizationalUnit, container
schemaIdGuid: 2628a46a-a6ad-4ae0-b854-2b12d9fe6f9e
defaultSecurityDescriptor: D:(A;;RPWPCRCCDCLCLOLORCOWWDSDDTDTSW;;;DA)
(A;;RPWPCRCCDCLCLOLORCOWWDSDDTDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=account,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003 operating system.

2.2 Class aCSPolicy

The Admission Control Service (ACS) bandwidth allocation policy for a user or profile.

```
cn: ACS-Policy
ldapDisplayName: aCSPolicy
governsId: 1.2.840.113556.1.5.137
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: aCSTotalNoOfFlows, aCSTimeOfDay, aCSServiceType,
aCSPriority, aCSPermissionBits, aCSMinimumDelayVariation,
aCSMinimumLatency, aCSMaximumSDUSize, aCSMinimumPolicedSize,
aCSMaxTokenRatePerFlow, aCSMaxTokenBucketPerFlow,
aCSMaxPeakBandwidthPerFlow, aCSMaxDurationPerFlow,
aCSMaxAggregatePeakRatePerUser, aCSIIdentityName, aCSDirection,
aCSAggregateTokenRatePerUser
systemPossSuperiors: container
schemaIdGuid: 7f561288-5301-11d1-a9c5-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCCDCLCLOLORCOWWDSDDTDTSW;;;DA)
(A;;RPWPCRCCDCLCLOLORCOWWDSDDTDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=ACS-Policy,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server operating system.

2.3 Class aCSResourceLimits

Contains reservable resource limits for a subnet. These limits can be for each ACS service type or for all service types.

```
cn: ACS-Resource-Limits
ldapDisplayName: aCSResourceLimits
governsId: 1.2.840.113556.1.5.191
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: aCSMaxTokenRatePerFlow, aCSServiceType,
aCSMaxPeakBandwidthPerFlow, aCSMaxPeakBandwidth,
aCSAllocableRSVPBandwidth
systemPossSuperiors: container
schemaIdGuid: 2e899b04-2834-11d3-91d4-0000f87a57d4
defaultSecurityDescriptor: D:(A;;;RPWPCRCDDCLLORCWOWSDSDDTDSW;;;DA)
(A;;;RPWPCRCDDCLLORCWOWSDSDDTDSW;;;SY)(A;;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=ACS-Resource-Limits,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.4 Class aCSSubnet

Contains configuration parameters for an ACS server.

```
cn: ACS-Subnet
ldapDisplayName: aCSSubnet
governsId: 1.2.840.113556.1.5.138
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: aCSServerList, aCSRSVPLogFilesLocation,
aCSRSVPAccountFilesLocation, aCSNonReservedTxSize,
aCSNonReservedTxLimit, aCSNonReservedTokenSize,
aCSNonReservedPeakRate, aCSNonReservedMinPolicedSize,
aCSNonReservedMaxSDUSize, aCSMaxTokenRatePerFlow,
aCSMaxSizeOfRSVPLogFile, aCSMaxSizeOfRSVPAccountFile,
aCSMaxPeakBandwidthPerFlow, aCSMaxPeakBandwidth, aCSMaxNoOfLogFiles,
aCSMaxNoOfAccountFiles, aCSMaxDurationPerFlow, aCSEventLogLevel,
aCSEnableRSVPMessageLogging, aCSEnableRSVPAccounting,
aCSEnableACSService, aCSDSBMRefresh, aCSDSBMPriority,
aCSDSBMDeadTime, aCSCacheTimeout, aCSAllocableRSVPBandwidth
systemPossSuperiors: container
schemaIdGuid: 7f561289-5301-11d1-a9c5-0000f80367c1
defaultSecurityDescriptor: D:(A;;;RPWPCRCDDCLLORCWOWSDSDDTDSW;;;DA)
(A;;;RPWPCRCDDCLLORCWOWSDSDDTDSW;;;SY)(A;;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=ACS-Subnet,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.5 Class addressBookContainer

A container for holding members of an address-book view.

```
cn: Address-Book-Container
ldapDisplayName: addressBookContainer
governsId: 1.2.840.113556.1.5.125
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: displayName
systemMayContain: purportedSearch
systemPossSuperiors: addressBookContainer, configuration
schemaIdGuid: 3e74f60f-3e73-11d1-a9c0-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
(OA;;CR;a1990816-4298-11d1-ade2-00c04fd8d5cd;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Address-Book-Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.6 Class addressTemplate

Specifies information for a display template.

```
cn: Address-Template
ldapDisplayName: addressTemplate
governsId: 1.2.840.113556.1.3.58
objectClassCategory: 1
rdnAttId: cn
subClassOf: displayTemplate
systemMustContain: displayName
systemMayContain: proxyGenerationEnabled, perRecipDialogDisplayTable,
perMsgDialogDisplayTable, addressType, addressSyntax
systemPossSuperiors: container
schemaIdGuid: 5fd4250a-1262-11d0-a060-00aa006c33ed
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Address-Template,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.7 Class applicationEntity

The X.500 base class for applicationEntity.

```
cn: Application-Entity
ldapDisplayName: applicationEntity
governsId: 2.5.6.12
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: presentationAddress, cn
systemMayContain: supportedApplicationContext, seeAlso, ou, o, l
systemPossSuperiors: applicationProcess, organizationalUnit,
container
schemaIdGuid: 3fdfee4f-47f4-11d1-a9c3-0000f80367c1
```

```
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Application-Entity,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.8 Class applicationProcess

The X.500 base class for applicationProcess.

```
cn: Application-Process
ldapDisplayName: applicationProcess
governsId: 2.5.6.11
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemMayContain: seeAlso, ou, l
systemPossSuperiors: organizationalUnit, organization, container,
computer
schemaIdGuid: 5fd4250b-1262-11d0-a060-00aa006c33ed
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=Application-Process,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.9 Class applicationSettings

A base class for server-specific application settings.

```
cn: Application-Settings
ldapDisplayName: applicationSettings
governsId: 1.2.840.113556.1.5.7000.49
objectClassCategory: 2
rdnAttId: cn
subClassOf: top
systemMayContain: notificationList, msDS-Settings, applicationName
systemPossSuperiors: server
schemaIdGuid: f780acc1-56f0-11d1-a9c6-0000f80367c1
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Application-Settings,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.10 Class applicationSiteSettings

The container that holds all site-specific settings.

```
cn: Application-Site-Settings
ldapDisplayName: applicationSiteSettings
```

```

governsId: 1.2.840.113556.1.5.68
objectClassCategory: 2
rdnAttId: cn
subClassOf: top
systemMayContain: notificationList, applicationName
systemPossSuperiors: site
schemaIdGuid: 19195a5c-6da0-11d0-afd3-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDDCLLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDDCLLORCWOWSDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Application-Site-Settings,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.11 Class applicationVersion

Stores versioning information for an application and its schema.

```

cn: Application-Version
ldapDisplayName: applicationVersion
governsId: 1.2.840.113556.1.5.216
objectClassCategory: 1
rdnAttId: cn
subClassOf: applicationSettings
mayContain: owner, managedBy, keywords, versionNumberLo,
versionNumberHi, versionNumber, vendor, appSchemaVersion
possSuperiors: organizationalUnit, computer, container
schemaIdGuid: ddc790ac-af4d-442a-8f0f-ald4caa7dd92
defaultSecurityDescriptor: D:(A;;RPWPCRCDDCLLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDDCLLORCWOWSDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Application-Version,<SchemaNCDN>

```

Version-Specific Behavior: First implemented on Windows Server 2003.

2.12 Class attributeSchema

Defines an attribute object in the schema.

```

cn: Attribute-Schema
ldapDisplayName: attributeSchema
governsId: 1.2.840.113556.1.3.14
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: schemaIDGUID, oMSyntax, LDAPDisplayName,
isSingleValued, cn, attributeSyntax, attributeID
systemMayContain: systemOnly, searchFlags, schemaFlagsEx, rangeUpper,
rangeLower, oObjectClass, msDs-Schema-Extensions, msDS-IntId,
mAPIID, linkID, isMemberOfPartialAttributeSet, isEphemeral,
isDefunct, extendedCharsAllowed, classDisplayName,
attributeSecurityGUID
systemPossSuperiors: dMD
schemaIdGuid: bf967a80-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:S:
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Attribute-Schema,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_DOMAIN_DISALLOW_RENAME

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.13 Class bootableDevice

Represents a device that has boot parameters.

```
cn: BootableDevice
ldapDisplayName: bootableDevice
governsId: 1.3.6.1.1.1.2.12
objectClassCategory: 3
rdnAttId: cn
subClassOf: top
mayContain: cn, bootParameter, bootFile
schemaIdGuid: 4bcb2477-4bb3-4545-a9fc-fb66e136b435
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=BootableDevice,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003 R2 operating system.

2.14 Class builtinDomain

The container that holds the default groups for a domain.

```
cn: Builtin-Domain
ldapDisplayName: builtinDomain
governsId: 1.2.840.113556.1.5.4
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemAuxiliaryClass: samDomainBase
systemPossSuperiors: domainDNS
schemaIdGuid: bf967a81-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPLCLORC;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Builtin-Domain,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.15 Class categoryRegistration

The registration information for a component category.

```
cn: Category-Registration
ldapDisplayName: categoryRegistration
governsId: 1.2.840.113556.1.5.74
objectClassCategory: 1
rdnAttId: cn
subClassOf: leaf
systemMayContain: managedBy, localizedDescription, localeID,
categoryID
systemPossSuperiors: classStore
schemaIdGuid: 7d6c0e9d-7e20-11d0-afd6-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
```

```
systemOnly: FALSE
defaultObjectCategory: CN=Category-Registration,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.16 Class certificationAuthority

Represents a process that issues public key certificates, for example, Active Directory Certificate Services (AD CS).

```
cn: Certification-Authority
ldapDisplayName: certificationAuthority
governsId: 2.5.6.16
objectClassCategory: 0
rdnAttId: cn
subClassOf: top
systemMustContain: cn, certificateRevocationList, cACertificate,
  authorityRevocationList
systemMayContain: teletexTerminalIdentifier,
  supportedApplicationContext, signatureAlgorithms, searchGuide,
  previousParentCA, previousCACertificates, pendingParentCA,
  pendingCACertificates, parentCACertificateChain, parentCA,
  enrollmentProviders, domainPolicyObject, domainID, dnsHostName,
  deltaRevocationList, currentParentCA, crossCertificatePair,
  cRLObjct, certificateTemplates, cAWEBURL, cAUsages, cAConnect,
  cACertificateDN
systemPossSuperiors: container
schemaIdGuid: 3fdfee50-47f4-11d1-a9c3-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Certification-Authority,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.17 Class classRegistration

The registration information for a Component Object Model (COM) object.

```
cn: Class-Registration
ldapDisplayName: classRegistration
governsId: 1.2.840.113556.1.5.10
objectClassCategory: 1
rdnAttId: cn
subClassOf: leaf
systemMayContain: requiredCategories, managedBy,
  implementedCategories, cOMTreatAsClassId, cOMProgID,
  cOMOtherProgId, cOMInterfaceID, cOMCLSID
systemPossSuperiors: classStore
schemaIdGuid: bf967a82-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Class-Registration,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.18 Class classSchema

Defines a class object in the schema.

```
cn: Class-Schema
ldapDisplayName: classSchema
governsId: 1.2.840.113556.1.3.13
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: subClassOf, schemaIDGUID, objectClassCategory,
governsID, defaultObjectCategory, cn
systemMayContain: systemPossSuperiors, systemOnly, systemMustContain,
systemMayContain, systemAuxiliaryClass, schemaFlagsEx, rDNAttID,
possSuperiors, mustContain, msDs-Schema-Extensions, msDS-IntId,
mayContain, LDAPDisplayName, isDefunct, defaultSecurityDescriptor,
defaultHidingValue, classDisplayName, auxiliaryClass
systemPossSuperiors: dMD
schemaIdGuid: bf967a83-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:S:
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Class-Schema,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_DOMAIN_DISALLOW_RENAME
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.19 Class classStore

Used to create the class store container, which provides the framework for deploying application resources in Active Directory Domain Services (on Windows Server 2008 operating system, Windows Server 2008 R2 operating system, and Windows Server 2012 operating system) and in the Active Directory directory service (on Windows Server 2003 R2, Windows Server 2003, and Windows 2000 Server). This class makes the deployment policy available to policy recipients; that is, to users and machines. Access and administration privileges are controlled by standard access control properties on the class store container object.

```
cn: Class-Store
ldapDisplayName: classStore
governsId: 1.2.840.113556.1.5.44
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: versionNumber, nextLevelStore, lastUpdateSequence,
appSchemaVersion
systemPossSuperiors: domainPolicy, computer, group, user, classStore,
organizationalUnit, domainDNS, container
schemaIdGuid: bf967a84-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLORCWOWDSDDTSW;;;DA)
(A;;RPWPCRCDCCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Class-Store,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.20 Class comConnectionPoint

The binding for running the COM or DCOM service.

```

cn: Com-Connection-Point
ldapDisplayName: comConnectionPoint
governsId: 1.2.840.113556.1.5.11
objectClassCategory: 1
rdnAttId: cn
subClassOf: connectionPoint
systemMustContain: cn
systemMayContain: monikerDisplayName, moniker, marshalledInterface
systemPossSuperiors: container
schemaIdGuid: bf967a85-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDDTW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDDTW;;;SY)(A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Com-Connection-Point,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.21 Class computer

A class that represents a computer account in the domain.

```

cn: Computer
ldapDisplayName: computer
governsId: 1.2.840.113556.1.3.30
objectClassCategory: 1
rdnAttId: cn
subClassOf: user
auxiliaryClass: ipHost
mayContain: msSFU30Aliases, msSFU30NisDomain, nisMapName,
msSFU30Name
systemMayContain: msTSSecondaryDesktopBL, msTSPrimaryDesktopBL,
msTSEndpointData, msTSEndpointType,
msTSEndpointPlugin, msDS-HostServiceAccount,
msDS-IsUserCachableAtRodc, msTSProperty02,
msTSProperty01, msTPM-OwnerInformation, msDS-RevealOnDemandGroup,
msDS-NeverRevealGroup, msDS-PromotionSettings, msDS-SiteName,
msDS-isRODC, msDS-isGC, msDS-AuthenticatedAtDC, msDS-RevealedList,
msDS-RevealedUsers, msDS-ExecuteScriptPassword, msDS-KrbTgtLink,
volumeCount, siteGUID, rIDSetReferences, policyReplicationFlags,
physicalLocationObject, operatingSystemVersion,
operatingSystemServicePack, operatingSystemHotfix, operatingSystem,
networkAddress, netbootDUID, netbootSIFFile, netbootMirrorDataFile,
netbootMachineFilePath, netbootInitialization, netbootGUID,
msDS-AdditionalSamAccountName, msDS-AdditionalDnsHostName,
managedBy, machineRole, location, localPolicyFlags, dNSHostName,
defaultLocalPolicyObject, cn, catalogs, msTPM-TpmInformationForComputer,
msDS-GenerationId, msImaging-ThumbprintHash, msImaging-HashAlgorithm
systemPossSuperiors: container, organizationalUnit, domainDNS
schemaIdGuid: bf967a86-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDDTW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDDTW;;;AO)
(A;;RPWPCRCDCCLCCLORCWOWSDDTW;;;SY)(A;;RPCRLCCLORCSDDT;;;CO)
(OA;;WP;4c164200-20c0-11d0-a768-00aa006e0529;;CO)(A;;RPLCCLORC;;;AU)
(OA;;CR;ab721a53-1e2f-11d0-9819-00aa0040529b;;WD)(A;;CCDC;;;PS)
(OA;;CCDC;bf967aa8-0de6-11d0-a285-00aa003049e2;;PO)
(OA;;RPWP;bf967a7f-0de6-11d0-a285-00aa003049e2;;CA)
(OA;;SW;f3a64788-5306-11d1-a9c5-0000f80367c1;;PS)
(OA;;RPWP;77B5B886-944A-11d1-AEBD-0000F80367C1;;PS)
(OA;;SW;72e39547-7b18-11d1-edef-00c04fd8d5cd;;PS)
(OA;;SW;72e39547-7b18-11d1-edef-00c04fd8d5cd;;CO)
(OA;;SW;f3a64788-5306-11d1-a9c5-0000f80367c1;;CO)
(OA;;WP;3e0abfd0-126a-11d0-a060-00aa006c33ed;
bf967a86-0de6-11d0-a285-00aa003049e2;CO)
(OA;;WP;5f202010-79a5-11d0-9020-00c04fc2d4cf;

```

```

bf967a86-0de6-11d0-a285-00aa003049e2;CO)
(OA;;WP;bf967950-0de6-11d0-a285-00aa003049e2;
bf967a86-0de6-11d0-a285-00aa003049e2;CO)
(OA;;WP;bf967953-0de6-11d0-a285-00aa003049e2;
bf967a86-0de6-11d0-a285-00aa003049e2;CO)
(OA;;RP;46a9b11d-60ae-405a-b7e8-ff8a58d456d2;;S-1-5-32-560)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Computer,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.22 Class configuration

A container that holds the configuration information for a domain.

```

cn: Configuration
ldapDisplayName: configuration
governsId: 1.2.840.113556.1.5.12
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemMayContain: msDS-USNLastSyncSuccess, gPOptions, gPLink
systemPossSuperiors: domainDNS
schemaIdGuid: bf967a87-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWDSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=Configuration,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.23 Class connectionPoint

The base class from which all connectible objects are derived.

```

cn: Connection-Point
ldapDisplayName: connectionPoint
governsId: 1.2.840.113556.1.5.14
objectClassCategory: 2
rdnAttId: cn
subClassOf: leaf
systemMustContain: cn
systemMayContain: msDS-Settings, managedBy, keywords
systemPossSuperiors: container, computer
schemaIdGuid: 5cb41ecf-0e4c-11d0-a286-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Connection-Point,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.24 Class contact

A class that contains information about a person or company that users might often contact.

```
cn: Contact
ldapDisplayName: contact
governsId: 1.2.840.113556.1.5.15
objectClassCategory: 1
rdnAttId: cn
subClassOf: organizationalPerson
systemAuxiliaryClass: mailRecipient
systemMustContain: cn
mayContain: msDS-SourceObjectDN
systemMayContain: notes, msDS-preferredDataLocation
systemPossSuperiors: organizationalUnit, domainDNS
schemaIdGuid: 5cb41ed0-0e4c-11d0-a286-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Person,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.25 Class container

A class that is used to hold other classes.

```
cn: Container
ldapDisplayName: container
governsId: 1.2.840.113556.1.3.23
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
mayContain: msDS-ObjectReference
systemMayContain: schemaVersion, defaultClassStore
systemPossSuperiors: msDS-AzScope, msDS-AzApplication,
msDS-AzAdminManager, subnet, server, nTDSservice, domainDNS,
organization, configuration, container, organizationalUnit
schemaIdGuid: bf967a8b-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.26 Class controlAccessRight

Identifies an extended right that can be granted or revoked by means of an access control list (ACL).

```
cn: Control-Access-Right
ldapDisplayName: controlAccessRight
governsId: 1.2.840.113556.1.5.77
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: validAccesses, rightsGuid, localizationDisplayId,
```

```
appliesTo
systemPossSuperiors: container
schemaIdGuid: 8297931e-86d3-11d0-afda-00c04fd930c9
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;SY) (A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Control-Access-Right,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.27 Class country

The country/region in the address of the user. This class specifies the full name of the country/region.

```
cn: Country
ldapDisplayName: country
governsId: 2.5.6.2
objectClassCategory: 0
rdnAttId: c
subClassOf: top
systemMustContain: c
systemMayContain: co, searchGuide
systemPossSuperiors: domainDNS, organization
schemaIdGuid: bf967a8c-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;SY) (A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Country,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.28 Class cRLDistributionPoint

The object that holds the certificate, authority, and delta revocation lists.

```
cn: CRL-Distribution-Point
ldapDisplayName: cRLDistributionPoint
governsId: 2.5.6.19
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemMayContain: deltaRevocationList, cRLPartitionedRevocationList,
certificateRevocationList, certificateAuthorityObject,
authorityRevocationList
systemPossSuperiors: container
schemaIdGuid: 167758ca-47f3-11d1-a9c3-0000f80367c1
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDDTSW;;;SY) (A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=CRL-Distribution-Point,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.29 Class crossRef

Holds knowledge information about all directory service (DS) naming contexts and all external directories to which referrals can be generated.

```
cn: Cross-Ref
ldapDisplayName: crossRef
governsId: 1.2.840.113556.1.3.11
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: nCName, dnsRoot, cn
systemMayContain: msDS-NC-RO-Replica-Locations, trustParent,
  superiorDNSRoot, rootTrust, nTMixedDomain, nETBIOName, Enabled,
  msDS-SDReferenceDomain,
  msDS-Replication-Notify-Subsequent-DSA-Delay,
  msDS-Replication-Notify-First-DSA-Delay, msDS-NC-Replica-Locations,
  msDS-DnsRootAlias, msDS-Behavior-Version
systemPossSuperiors: crossRefContainer
schemaIdGuid: bf967a8d-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;SY) (A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Cross-Ref,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.30 Class crossRefContainer

Holds the cross-reference objects for all naming contexts.

```
cn: Cross-Ref-Container
ldapDisplayName: crossRefContainer
governsId: 1.2.840.113556.1.5.7000.53
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: msDS-EnabledFeature, msDS-SPNSuffixes, uPNSuffixes,
  msDS-UpdateScript, msDS-ExecuteScriptPassword, msDS-Behavior-Version
systemPossSuperiors: configuration
schemaIdGuid: ef9e60e0-56f7-11d1-a9c6-0000f80367c1
defaultSecurityDescriptor: D: (A;;GA;;;SY)
defaultHidingValue: FALSE
systemOnly: TRUE
defaultObjectCategory: CN=Cross-Ref-Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.31 Class device

A generic base class for physical devices.

```
cn: Device
ldapDisplayName: device
governsId: 2.5.6.14
objectClassCategory: 0
rdnAttId: cn
subClassOf: top
```

```

auxiliaryClass: ipHost, ieee802Device, bootableDevice
systemMustContain: cn
mayContain: msSFU30Name, msSFU30NisDomain, nisMapName, msSFU30Aliases
systemMayContain: serialNumber, seeAlso, owner, ou, o, l
systemPossSuperiors: domainDNS, organizationalUnit, organization,
  container
schemaIdGuid: bf967a8e-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Device,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.32 Class dfsConfiguration

Holds all fault-tolerant Distributed File System (DFS) configurations.

```

cn: Dfs-Configuration
ldapDisplayName: dfsConfiguration
governsId: 1.2.840.113556.1.5.42
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemPossSuperiors: container, domainDNS
schemaIdGuid: 8447f9f2-1027-11d0-a05f-00aa006c33ed
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Dfs-Configuration,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.33 Class dHCPClass

Represents a Dynamic Host Configuration Protocol (DHCP) server or set of servers.

```

cn: DHCP-Class
ldapDisplayName: dHCPClass
governsId: 1.2.840.113556.1.5.132
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: dhcpUniqueKey, dhcpType, dhcpIdentification,
  dhcpFlags
systemMayContain: superScopes, superScopeDescription,
  optionsLocation, optionDescription, networkAddress, mscopeId,
  dhcpUpdateTime, dhcpSubnets, dhcpState, dhcpSites, dhcpServers,
  dhcpReservations, dhcpRanges, dhcpProperties, dhcpOptions,
  dhcpObjName, dhcpObjDescription, dhcpMaxKey, dhcpMask, dhcpClasses
systemPossSuperiors: container
schemaIdGuid: 963d2756-48be-11d1-a9c3-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=DHCP-Class,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.34 Class displaySpecifier

Describes the context menus and property pages to use with an object in the directory.

```
cn: Display-Specifier
ldapDisplayName: displaySpecifier
governsId: 1.2.840.113556.1.5.84
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: treatAsLeaf, shellPropertyPages, shellContextMenu,
  scopeFlags, queryFilter, iconPath, extraColumns, creationWizard,
  createWizardExt, createDialog, contextMenu, classDisplayName,
  attributeDisplayNames, adminPropertyPages,
  adminMultiselectPropertyPages, adminContextMenu
systemPossSuperiors: container
schemaIdGuid: e0fa1e8a-9b45-11d0-afdd-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Display-Specifier,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.35 Class displayTemplate

Specifies information for an address template.

```
cn: Display-Template
ldapDisplayName: displayTemplate
governsId: 1.2.840.113556.1.3.59
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemMayContain: originalDisplayTableMSDOS, originalDisplayTable,
  helpFileName, helpData32, helpData16, addressEntryDisplayTableMSDOS,
  addressEntryDisplayTable
systemPossSuperiors: container
schemaIdGuid: 5fd4250c-1262-11d0-a060-00aa006c33ed
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Display-Template,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.36 Class dMD

Holds the schema for Active Directory Domain Services (AD DS) and the Active Directory directory service. The Lightweight Directory Access Protocol (LDAP) name dMD stands for Directory Management Domain.

```
cn: DMD
ldapDisplayName: dMD
```

```
governsId: 1.2.840.113556.1.3.9
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemMayContain: msDS-USNLastSyncSuccess, schemaUpdate, schemaInfo,
  prefixMap, msDs-Schema-Extensions, msDS-IntId, dmdName
systemPossSuperiors: configuration
schemaIdGuid: bf967a8f-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDSDTWSW;;;DA)
  (A;;RPWPCRCDCCLCLOCRCWOWSDSDTWSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=DMD,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.37 Class dnsNode

Holds the domain name system (DNS) resource records for a single host.

```
cn: Dns-Node
ldapDisplayName: dnsNode
governsId: 1.2.840.113556.1.5.86
objectClassCategory: 1
rdnAttId: dc
subClassOf: top
systemMustContain: dc
systemMayContain: dNSTombstoned, dnsRecord, dnsProperty
systemPossSuperiors: dnsZone, dnsZoneScope
schemaIdGuid: e0fale8c-9b45-11d0-afdd-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDSDTWSW;;;DA)
  (A;;RPWPCRCDCCLCLOCRCWOWSDSDTWSW;;;ED)
  (A;;RPWPCRCDCCLCLOCRCWOWSDSDTWSW;;;SY)
  (A;;RPWPCRCDCCLCLOCRCWOWSDSDTWSW;;;CO)(A;;RPLCLOCRC;;;WD)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Dns-Node,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.38 Class dnsZone

The container for DNS nodes. This class holds zone metadata.

```
cn: Dns-Zone
ldapDisplayName: dnsZone
governsId: 1.2.840.113556.1.5.85
objectClassCategory: 1
rdnAttId: dc
subClassOf: top
systemMustContain: dc
systemMayContain: managedBy, dnsSecureSecondaries, dnsProperty,
  dnsNotifySecondaries, dnsAllowXFR, dnsAllowDynamic, msDNS-IsSigned,
  msDNS-SignWithNSEC3, msDNS-NSEC3OptOut, msDNS-MaintainTrustAnchor,
  msDNS-DSRecordAlgorithms, msDNS-RFC5011KeyRollovers,
  msDNS-NSEC3HashAlgorithm, msDNS-NSEC3RandomSaltLength,
  msDNS-NSEC3Iterations, msDNS-DNSKEYRecordSetTTL, msDNS-DSRecordSetTTL,
  msDNS-SignatureInceptionOffset, msDNS-SecureDelegationPollingPeriod,
  msDNS-SigningKeyDescriptors, msDNS-SigningKeys, msDNS-DNSKEYRecords,
  msDNS-ParentHasSecureDelegation, msDNS-PropagationTime,
```



```
(A;;RPWPCRCDCCLLORCWOWSDDTSW;;;CO)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=NTFRS-Subscriptions,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.213 Class oncRpc

An abstraction of an Open Network Computing (ONC) remote procedure call (RPC) binding, as specified in [RFC1831].

```
cn: OncRpc
ldapDisplayName: oncRpc
governsId: 1.3.6.1.1.1.2.5
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
mustContain: cn, oncRpcNumber
mayContain: description, msSFU30Name, msSFU30NisDomain, nisMapName,
  msSFU30Aliases
possSuperiors: domainDNS, nisMap, container, organizationalUnit
schemaIdGuid: caddle5e-fefc-4f3f-b5a9-70e994204303
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=OncRpc,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003 R2.

2.214 Class organization

Stores information about a company or organization.

```
cn: Organization
ldapDisplayName: organization
governsId: 2.5.6.4
objectClassCategory: 1
rdnAttId: o
subClassOf: top
systemMustContain: o
systemMayContain: x121Address, userPassword, telexNumber,
  teletexTerminalIdentifier, telephoneNumber, street, st, seeAlso,
  searchGuide, registeredAddress, preferredDeliveryMethod, postalCode,
  postalAddress, postOfficeBox, physicalDeliveryOfficeName, l,
  internationalISDNNumber, facsimileTelephoneNumber,
  destinationIndicator, businessCategory
systemPossSuperiors: locality, country, domainDNS
schemaIdGuid: bf967aa3-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Organization,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.215 Class organizationalPerson

Used for objects that contain organizational information about a user, such as the employee number, department, manager, title, office, or address.

```
cn: Organizational-Person
ldapDisplayName: organizationalPerson
governsId: 2.5.6.7
objectClassCategory: 0
rdnAttId: cn
subClassOf: person
mayContain: msDS-HABSeniorityIndex, msDS-PhoneticDisplayName,
  msDS-PhoneticCompanyName, msDS-PhoneticDepartment,
  msDS-PhoneticLastName, msDS-PhoneticFirstName, houseIdentifier,
  msExchHouseIdentifier, homePostalAddress
systemMayContain: x121Address, comment, title, co,
  primaryTelexNumber, telexNumber, teletexTerminalIdentifier, street,
  st, registeredAddress, preferredDeliveryMethod, postalCode,
  postalAddress, postOfficeBox, thumbnailPhoto,
  physicalDeliveryOfficeName, pager, otherPager, otherTelephone,
  mobile, otherMobile, primaryInternationalISDNNumber, ipPhone,
  otherIpPhone, otherHomePhone, homePhone,
  otherFacsimileTelephoneNumber, personalTitle, middleName,
  otherMailbox, ou, o, mhsORAddress, msDS-AllowedToDelegateTo,
  manager, thumbnailLogo, l, internationalISDNNumber, initials,
  givenName, generationQualifier, facsimileTelephoneNumber,
  employeeID, mail, division, destinationIndicator, department, c,
  countryCode, company, assistant, streetAddress,
  msDS-AllowedToActOnBehalfOfOtherIdentity
systemPossSuperiors: organizationalUnit, organization, container
schemaIdGuid: bf967aa4-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTWS;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWSDSDTWS;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Person,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.216 Class organizationalRole

Used for objects that contain information that pertains to a position or role in an organization, such as a system administrator or manager. This class can also be used for a nonhuman identity in an organization.

```
cn: Organizational-Role
ldapDisplayName: organizationalRole
governsId: 2.5.6.8
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemMayContain: x121Address, telexNumber,
  teletexTerminalIdentifier, telephoneNumber, street, st, seeAlso,
  roleOccupant, registeredAddress, preferredDeliveryMethod,
  postalCode, postalAddress, postOfficeBox,
  physicalDeliveryOfficeName, ou, l, internationalISDNNumber,
  facsimileTelephoneNumber, destinationIndicator
systemPossSuperiors: organizationalUnit, organization, container
schemaIdGuid: a8df74bf-c5ea-11d1-bbcb-0080c76670c0
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTWS;;;DA)
  (A;;RPWPCRCDCCLCCLORCWOWSDSDTWS;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
```

```
systemOnly: FALSE
defaultObjectCategory: CN=Organizational-Role,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.217 Class organizationalUnit

A container for storing users, computers, and other account objects.

```
cn: Organizational-Unit
ldapDisplayName: organizationalUnit
governsId: 2.5.6.5
objectClassCategory: 1
rdnAttId: ou
subClassOf: top
systemMustContain: ou
systemMayContain: x121Address, userPassword, uPNSuffixes, co,
  telexNumber, teletexTerminalIdentifier, telephoneNumber, street, st,
  seeAlso, searchGuide, registeredAddress, preferredDeliveryMethod,
  postalCode, postalAddress, postOfficeBox,
  physicalDeliveryOfficeName, msCOM-UserPartitionSetLink, managedBy,
  thumbnailLogo, l, internationalISDNNumber, gPOptions, gPLink,
  facsimileTelephoneNumber, destinationIndicator, desktopProfile,
  defaultGroup, countryCode, c, businessCategory
systemPossSuperiors: country, organization, organizationalUnit,
  domainDNS
schemaIdGuid: bf967aa5-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;SY)
  (A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;DA)
  (OA;;CCDC;bf967a86-0de6-11d0-a285-00aa003049e2;;;AO)
  (OA;;CCDC;bf967aba-0de6-11d0-a285-00aa003049e2;;;AO)
  (OA;;CCDC;bf967a9c-0de6-11d0-a285-00aa003049e2;;;AO)
  (OA;;CCDC;bf967aa8-0de6-11d0-a285-00aa003049e2;;;PO)
  (A;;RPLCCLORC;;;AU) (A;;LCRPLORC;;;ED)
  (OA;;CCDC;4828CC14-1437-45bc-9B07-AD6F015E5F28;;;AO)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Organizational-Unit,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.218 Class packageRegistration

The registration information for an application.

```
cn: Package-Registration
ldapDisplayName: packageRegistration
governsId: 1.2.840.113556.1.5.49
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: versionNumberLo, versionNumberHi, vendor,
  upgradeProductCode, setupCommand, productCode, packageType,
  packageName, packageFlags, msiScriptSize, msiScriptPath,
  msiScriptName, msiScript, msiFileList, managedBy,
  machineArchitecture, localeID, lastUpdateSequence, installUiLevel,
  iconPath, fileExtPriority, cOMTypelibId, cOMProgID, cOMInterfaceID,
  cOMClassID, categories, canUpgradeScript
systemPossSuperiors: classStore
schemaIdGuid: bf967aa6-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDDTSW;;;DA)
```

```
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Package-Registration,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.219 Class person

Contains personal information about a user.

```
cn: Person
ldapDisplayName: person
governsId: 2.5.6.6
objectClassCategory: 0
rdnAttId: cn
subClassOf: top
systemMustContain: cn
mayContain: attributeCertificateAttribute
systemMayContain: userPassword, telephoneNumber, sn, serialNumber,
  seeAlso
systemPossSuperiors: organizationalUnit, container
schemaIdGuid: bf967aa7-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Person,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.220 Class physicalLocation

Stores physical address information.

```
cn: Physical-Location
ldapDisplayName: physicalLocation
governsId: 1.2.840.113556.1.5.97
objectClassCategory: 1
rdnAttId: cn
subClassOf: locality
systemMayContain: managedBy
systemPossSuperiors: physicalLocation, configuration
schemaIdGuid: b7b13122-b82e-11d0-afee-0000f80367c1
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Physical-Location,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.221 Class pKICertificateTemplate

Contains information for certificates that are issued by Active Directory Certificate Services (AD CS).

```

cn: PKI-Certificate-Template
ldapDisplayName: pKICertificateTemplate
governsId: 1.2.840.113556.1.5.177
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: pKIOverlapPeriod, pKIMaxIssuingDepth, pKIKeyUsage,
pKIExtendedKeyUsage, pKIExpirationPeriod, pKIEnrollmentAccess,
pKIDefaultCSPs, pKIDefaultKeySpec, pKICriticalExtensions,
msPKI-RA-Signature, msPKI-RA-Policies,
msPKI-RA-Application-Policies, msPKI-Template-Schema-Version,
msPKI-Template-Minor-Revision, msPKI-Supersede-Templates,
msPKI-Private-Key-Flag, msPKI-Minimal-Key-Size,
msPKI-Enrollment-Flag, msPKI-Certificate-Policy,
msPKI-Certificate-Name-Flag, msPKI-Certificate-Application-Policy,
msPKI-Cert-Template-OID, flags, displayName
systemPossSuperiors: container
schemaIdGuid: e5209ca2-3bba-11d2-90cc-00c04fd91ab1
defaultSecurityDescriptor: D: (A;;RPWPCRCCDCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCRCCDCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=PKI-Certificate-Template,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.222 Class pKIEnrollmentService

The certificate server that can process certificate requests and issue certificates.

```

cn: PKI-Enrollment-Service
ldapDisplayName: pKIEnrollmentService
governsId: 1.2.840.113556.1.5.178
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: msPKI-Enrollment-Servers, msPKI-Site-Name,
signatureAlgorithms, enrollmentProviders, dNSHostName,
certificateTemplates, cACertificateDN, cACertificate
systemPossSuperiors: container
schemaIdGuid: ee4aa692-3bba-11d2-90cc-00c04fd91ab1
defaultSecurityDescriptor: D: (A;;RPWPCRCCDCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCRCCDCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=PKI-Enrollment-Service,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.223 Class posixAccount

An abstraction of an account that has Portable Operating System Interface (POSIX) attributes.

```

cn: PosixAccount
ldapDisplayName: posixAccount
governsId: 1.3.6.1.1.1.2.0
objectClassCategory: 3
rdnAttId: uid
subClassOf: top
mayContain: uid, cn, uidNumber, gidNumber, unixHomeDirectory,

```

```
homeDirectory, userPassword, unixUserPassword, loginShell, gecos,
description
schemaIdGuid: ad44bb41-67d5-4d88-b575-7b20674e76d8
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;SY)(A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=PosixAccount,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003 R2.

2.224 Class posixGroup

An abstraction of a group of accounts.

```
cn: PosixGroup
ldapDisplayName: posixGroup
governsID: 1.3.6.1.1.1.2.2
objectClassCategory: 3
rdnAttId: cn
subClassOf: top
mayContain: cn, userPassword, unixUserPassword, description,
gidNumber, memberUid
schemaIdGuid: 2a9350b8-062c-4ed0-9903-dde10d06deba
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;SY)(A;;RPLCCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=PosixGroup,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003 R2.

2.225 Class printQueue

Contains information about a print queue.

```
cn: Print-Queue
ldapDisplayName: printQueue
governsID: 1.2.840.113556.1.5.23
objectClassCategory: 1
rdnAttId: cn
subClassOf: connectionPoint
systemMustContain: versionNumber, uNCName, shortServerName,
serverName, printerName
systemMayContain: priority, printStatus, printStartTime,
printStaplingSupported, printSpooling, printShareName,
printSeparatorFile, printRateUnit, printRate, printPagesPerMinute,
printOwner, printOrientationsSupported, printNumberUp, printNotify,
printNetworkAddress, printMinYExtent, printMinXExtent, printMemory,
printMediaSupported, printMediaReady, printMaxYExtent,
printMaxXExtent, printMaxResolutionSupported, printMaxCopies,
printMACAddress, printLanguage, printKeepPrintedJobs, printFormName,
printEndTime, printDuplexSupported, printColor, printCollate,
printBinNames, printAttributes, portName, physicalLocationObject,
operatingSystemVersion, operatingSystemServicePack,
operatingSystemHotfix, operatingSystem, location, driverVersion,
driverName, defaultPriority, bytesPerMinute, assetNumber
systemPossSuperiors: organizationalUnit, domainDNS, container,
computer
schemaIdGuid: bf967aa8-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;SY)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTSW;;;PO)
```

```
(A;;RPWPCRCDCCLCLORCWOWSDSDTWS;;;CO) (A;;RPLCLORC;;;AU)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Print-Queue, <SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.226 Class queryPolicy

Holds administrative limits for LDAP server resources for sorted and paged results.

```
cn: Query-Policy
ldapDisplayName: queryPolicy
governsId: 1.2.840.113556.1.5.106
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: LDAPIPDenyList, LDAPAdminLimits
systemPossSuperiors: container
schemaIdGuid: 83cc7075-cca7-11d0-afff-0000f80367c1
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCLORCWOWSDSDTWS;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWS;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Query-Policy, <SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.227 Class remoteMailRecipient

An external mail recipient. This attribute is obsolete.

```
cn: Remote-Mail-Recipient
ldapDisplayName: remoteMailRecipient
governsId: 1.2.840.113556.1.5.24
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemAuxiliaryClass: mailRecipient
systemMayContain: remoteSourceType, remoteSource, managedBy
systemPossSuperiors: organizationalUnit, domainDNS
schemaIdGuid: bf967aa9-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCLORCWOWSDSDTWS;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWS;;;SY) (A;;RPLCLORC;;;AU)
(OA;;CR;ab721a55-1e2f-11d0-9819-00aa0040529b;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Remote-Mail-Recipient, <SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.228 Class remoteStorageServicePoint

Holds information about the remote storage location for files that are stored offline.

```
cn: Remote-Storage-Service-Point
```

```

ldapDisplayName: remoteStorageServicePoint
governsId: 1.2.840.113556.1.5.146
objectClassCategory: 1
rdnAttId: cn
subClassOf: serviceAdministrationPoint
systemMayContain: remoteStorageGUID
systemPossSuperiors: computer
schemaIdGuid: 2a39c5bd-8960-11d1-aebc-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPLCLORC;;;AU)
(A;;RPWPCRLCLOCCDCRCWDWOSDDTSW;;;DA)
(A;;RPWPCRLCLOCCDCRCWDWOSDDTSW;;;CO)
(A;;RPWPCRLCLOCCDCRCWDWOSDDTSW;;;SY)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Remote-Storage-Service-Point,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.229 Class residentialPerson

Defines entries that represent a person in the residential environment.

```

cn: Residential-Person
ldapDisplayName: residentialPerson
governsId: 2.5.6.10
objectClassCategory: 1
rdnAttId: cn
subClassOf: person
systemMayContain: x121Address, title, telexNumber,
teletexTerminalIdentifier, street, st, registeredAddress,
preferredDeliveryMethod, postalCode, postalAddress, postOfficeBox,
physicalDeliveryOfficeName, ou, l, internationalISDNNumber,
facsimileTelephoneNumber, destinationIndicator, businessCategory
systemPossSuperiors: locality, container
schemaIdGuid: a8df74d6-c5ea-11d1-bbcb-0080c76670c0
defaultSecurityDescriptor: D:(A;;RPWPCRCCLCLORCWOWSDSDTSW;;;DA)
(A;;RPWPCRCCLCLORCWOWSDSDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Residential-Person,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.230 Class rFC822LocalPart

Defines entries that represent the local part of mail addresses.

```

cn: rFC822LocalPart
ldapDisplayName: rFC822LocalPart
governsId: 0.9.2342.19200300.100.4.14
objectClassCategory: 1
rdnAttId: cn
subClassOf: domain
mayContain: x121Address, telexNumber, teletexTerminalIdentifier,
telephoneNumber, street, sn, seeAlso, registeredAddress,
preferredDeliveryMethod, postOfficeBox, postalCode, postalAddress,
physicalDeliveryOfficeName, internationalISDNNumber,
facsimileTelephoneNumber, destinationIndicator, description, cn
possSuperiors: organizationalUnit, container
schemaIdGuid: b93e3a78-cbae-485e-a07b-5ef4ae505686
defaultSecurityDescriptor: D:(A;;RPWPCRCCLCLOLORCOWSDSDTDTSW;;;DA)

```

```
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=rFC822LocalPart,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003.

2.231 Class rIDManager

Contains the relative ID (RID) operations master (also known as flexible single master operations or FSMO) and the RID-Available-Pool location that is used by the RID Manager. The RID Manager is a component that runs on the domain controller and is responsible for allocating security identifiers.

```
cn: RID-Manager
ldapDisplayName: rIDManager
governsId: 1.2.840.113556.1.5.83
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: rIDAvailablePool
systemMayContain: msDS-RIDPoolAllocationEnabled
systemPossSuperiors: container
schemaIdGuid: 6617188d-8f3c-11d0-afda-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
S:(AU;SA;CRWP;;;WD)
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=RID-Manager,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.232 Class rIDSet

Holds the RID pools that were allocated by the domain controller. There is one rIDSet for each writable domain controller. Since read-only domain controllers cannot originate the creation of security principals (or other objects), they do not require RID pools or the rIDSet objects that maintain them.

```
cn: RID-Set
ldapDisplayName: rIDSet
governsId: 1.2.840.113556.1.5.129
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: rIDUsedPool, rIDPreviousAllocationPool,
rIDNextRID, rIDAllocationPool
systemPossSuperiors: user, container, computer
schemaIdGuid: 7bfdbc89-4807-11d1-a9c3-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=RID-Set,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.233 Class room

Defines entries that represent rooms.

```
cn: room
ldapDisplayName: room
governsId: 0.9.2342.19200300.100.4.7
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
mustContain: cn
mayContain: location, telephoneNumber, seeAlso, description,
roomNumber
possSuperiors: organizationalUnit, container
schemaIdGuid: 7860e5d2-c8b0-4cbb-bd45-d9455beb9206
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOLORCOWWSDSDTDSW;;;DA)
(A;;RPWPCRCDCCLCLOLORCOWWSDSDTDSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=room,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003.

2.234 Class rpcContainer

The default container for RPC endpoints.

```
cn: Rpc-Container
ldapDisplayName: rpcContainer
governsId: 1.2.840.113556.1.5.136
objectClassCategory: 1
rdnAttId: cn
subClassOf: container
systemMayContain: nameServiceFlags
systemPossSuperiors: container
schemaIdGuid: 80212842-4bdc-11d1-a9c4-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOLORCOWWSDSDTDSW;;;DA)
(A;;RPWPCRCDCCLCLOLORCOWWSDSDTDSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Rpc-Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.235 Class rpcEntry

An abstract class whose subclasses are used by the RPC Name Service (Ns), which is accessed through the RpcNs* functions in the Win32 API.

```
cn: rpc-Entry
ldapDisplayName: rpcEntry
governsId: 1.2.840.113556.1.5.27
objectClassCategory: 2
rdnAttId: cn
subClassOf: connectionPoint
systemPossSuperiors: container
schemaIdGuid: bf967aac-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOLORCOWWSDSDTDSW;;;DA)
(A;;RPWPCRCDCCLCLOLORCOWWSDSDTDSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
```

```
systemOnly: FALSE
defaultObjectCategory: CN=rpc-Entry,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.236 Class rpcGroup

Represents an RPC group.

```
cn: rpc-Group
ldapDisplayName: rpcGroup
governsId: 1.2.840.113556.1.5.80
objectClassCategory: 1
rdnAttId: cn
subClassOf: rpcEntry
systemMayContain: rpcNsObjectID, rpcNsGroup
systemPossSuperiors: container
schemaIdGuid: 88611bdf-8cf4-11d0-afda-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=rpc-Group,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.237 Class rpcProfile

Represents an RPC profile.

```
cn: rpc-Profile
ldapDisplayName: rpcProfile
governsId: 1.2.840.113556.1.5.82
objectClassCategory: 1
rdnAttId: cn
subClassOf: rpcEntry
systemPossSuperiors: container
schemaIdGuid: 88611be1-8cf4-11d0-afda-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=rpc-Profile,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.238 Class rpcProfileElement

Holds an entry in an RPC profile.

```
cn: rpc-Profile-Element
ldapDisplayName: rpcProfileElement
governsId: 1.2.840.113556.1.5.26
objectClassCategory: 1
rdnAttId: cn
subClassOf: rpcEntry
```

```
systemMustContain: rpcNsPriority, rpcNsInterfaceID
systemMayContain: rpcNsProfileEntry, rpcNsAnnotation
systemPossSuperiors: rpcProfile
schemaIdGuid: f29653cf-7ad0-11d0-afd6-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=rpc-Profile-Element,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.239 Class rpcServer

Represents a particular server that is holding one or more RPC interfaces.

```
cn: rpc-Server
ldapDisplayName: rpcServer
governsID: 1.2.840.113556.1.5.81
objectClassCategory: 1
rdnAttId: cn
subClassOf: rpcEntry
systemMayContain: rpcNsObjectID, rpcNsEntryFlags, rpcNsCodeset
systemPossSuperiors: container
schemaIdGuid: 88611be0-8cf4-11d0-afda-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=rpc-Server,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.240 Class rpcServerElement

Represents a single interface in a specified RPC server.

```
cn: rpc-Server-Element
ldapDisplayName: rpcServerElement
governsId: 1.2.840.113556.1.5.73
objectClassCategory: 1
rdnAttId: cn
subClassOf: rpcEntry
systemMustContain: rpcNsTransferSyntax, rpcNsInterfaceID,
rpcNsBindings
systemPossSuperiors: rpcServer
schemaIdGuid: f29653d0-7ad0-11d0-afd6-00c04fd930c9
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWDSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=rpc-Server-Element,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.241 Class rRASAdministrationConnectionPoint

Contains the connection point for the Routing and Remote Access service.

```
cn: RRAS-Administration-Connection-Point
ldapDisplayName: rRASAdministrationConnectionPoint
governsId: 1.2.840.113556.1.5.150
objectClassCategory: 1
rdnAttId: cn
subClassOf: serviceAdministrationPoint
systemMayContain: msRRASAttribute
systemPossSuperiors: computer
schemaIdGuid: 2a39c5be-8960-11d1-aebc-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPLCLORC;;;AU)
(A;;RPWPCRLCLOCCDCRCWDWOSDDTSW;;;DA)
(A;;RPWPCRLCLOCCDCRCWDWOSDDTSW;;;CO)
(A;;RPWPCRLCLOCCDCRCWDWOSDDTSW;;;SY)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=RRAS-Administration-Connection-Point,
<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.242 Class rRASAdministrationDictionary

A dictionary object for translating vendor-specific routing attributes to names.

```
cn: RRAS-Administration-Dictionary
ldapDisplayName: rRASAdministrationDictionary
governsId: 1.2.840.113556.1.5.156
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: msRRASVendorAttributeEntry
systemPossSuperiors: container
schemaIdGuid: f39b98ae-938d-11d1-aebd-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPLCLORC;;;AU)
(A;;RPWPCRCDCCLCLORCWOWSDSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDDTSW;;;SY)
(A;;RPWPCRCDCCLCLORCWOWSDSDDTSW;;;CO)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=RRAS-Administration-Dictionary,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.243 Class samDomain

An auxiliary class that holds common properties for Windows NT domains.

```
cn: Sam-Domain
ldapDisplayName: samDomain
governsId: 1.2.840.113556.1.5.3
objectClassCategory: 3
rdnAttId: cn
subClassOf: top
systemAuxiliaryClass: samDomainBase
systemMayContain: treeName, rIDManagerReference, replicaSource,
pwdProperties, pwdHistoryLength, privateKey, pekList,
```



```
(OU;CISA;WP;f30e3bbe-9ff0-11d1-b603-0000f80367c1;
bf967aa5-0de6-11d0-a285-00aa003049e2;WD)
(OU;CISA;WP;f30e3bbf-9ff0-11d1-b603-0000f80367c1;
bf967aa5-0de6-11d0-a285-00aa003049e2;WD)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Sam-Domain,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.244 Class samDomainBase

A base class for defining domains.

```
cn: Sam-Domain-Base
ldapDisplayName: samDomainBase
governsId: 1.2.840.113556.1.5.2
objectClassCategory: 3
rdnAttId: cn
subClassOf: top
systemMayContain: uASCompat, serverState, serverRole, revision,
pwdProperties, pwdHistoryLength, oEMInformation, objectSid,
nTSecurityDescriptor, nextRid, modifiedCountAtLastProm,
modifiedCount, minPwdLength, minPwdAge, maxPwdAge, lockoutThreshold,
lockoutDuration, lockOutObservationWindow, forceLogoff,
domainReplica, creationTime
schemaIdGuid: bf967a91-0de6-11d0-a285-00aa003049e2
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Sam-Domain-Base,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.245 Class samServer

Holds a revision level and a security descriptor that specifies who can make remote procedure calls (RPCs) through the Security Accounts Manager (SAM) interface.

```
cn: Sam-Server
ldapDisplayName: samServer
governsId: 1.2.840.113556.1.5.5
objectClassCategory: 1
rdnAttId: cn
subClassOf: securityObject
systemMayContain: samDomainUpdates
systemPossSuperiors: domainDNS
schemaIdGuid: bf967aad-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDDCLLORCWOWSDSDTWS;;;DA)
(A;;RPWPCRCDDCLLORCWOWSDSDTWS;;;SY)(A;;RPLCLORC;;;AU)
(A;;RPLCLORC;;;RU)(OA;;CR;91d67418-0135-4acc-8d79-c08e857cfbec;;;AU)
(OA;;CR;91d67418-0135-4acc-8d79-c08e857cfbec;;;RU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Sam-Server,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.246 Class secret

A Local Security Authority secret that is used for trust relationships and to save service passwords.

```
cn: Secret
ldapDisplayName: secret
governsId: 1.2.840.113556.1.5.28
objectClassCategory: 1
rdnAttId: cn
subClassOf: leaf
systemMayContain: priorValue, priorSetTime, lastSetTime, currentValue
systemPossSuperiors: container
schemaIdGuid: bf967aae-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDDCLLORCWOWSDSDTWS;;;SY)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Secret,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.247 Class securityObject

An auxiliary class that identifies security principals.

```
cn: Security-Object
ldapDisplayName: securityObject
governsId: 1.2.840.113556.1.5.1
objectClassCategory: 2
rdnAttId: cn
subClassOf: top
systemMustContain: cn
systemPossSuperiors: container
schemaIdGuid: bf967aaf-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDDCLLORCWOWSDSDTWS;;;DA)
(A;;RPWPCRCDDCLLORCWOWSDSDTWS;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Security-Object,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.248 Class securityPrincipal

Contains the security information for an object.

```
cn: Security-Principal
ldapDisplayName: securityPrincipal
governsId: 1.2.840.113556.1.5.6
objectClassCategory: 3
rdnAttId: cn
subClassOf: top
systemMustContain: sAMAccountName, objectSid
systemMayContain: supplementalCredentials, sIDHistory,
securityIdentifier, sAMAccountType, rid, tokenGroupsNoGCAcceptable,
tokenGroupsGlobalAndUniversal, tokenGroups, nTSecurityDescriptor,
msDS-KeyVersionNumber, altSecurityIdentities, accountNameHistory,
msds-tokenGroupNames, msds-tokenGroupNamesGlobalAndUniversal,
msds-tokenGroupNamesNoGCAcceptable
schemaIdGuid: bf967ab0-0de6-11d0-a285-00aa003049e2
defaultHidingValue: TRUE
```

```
systemOnly: FALSE
defaultObjectCategory: CN=Security-Principal,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.249 Class server

Represents a server computer within a site.

```
cn: Server
ldapDisplayName: server
governsId: 1.2.840.113556.1.5.17
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: msDS-IsUserCachableAtRodc, msDS-SiteName,
  msDS-isRODC, msDS-isGC, mailAddress, serverReference, serialNumber,
  managedBy, dnsHostName, bridgeheadTransportList
systemPossSuperiors: serversContainer
schemaIdGuid: bf967a92-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;CI;RPWPCRCCDCLLORCWOWSDSDT; ;DA)
  (A; ;RPWPCRCCDCLLORCWOWSDSDT; ; ;SY) (A; ;RPLCLORC; ; ;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Server,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.250 Class serversContainer

Holds server objects within a site.

```
cn: Servers-Container
ldapDisplayName: serversContainer
governsId: 1.2.840.113556.1.5.7000.48
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemPossSuperiors: site
schemaIdGuid: f780acc0-56f0-11d1-a9c6-0000f80367c1
defaultSecurityDescriptor: D:(A; ;CC; ; ;BA)
  (A; ;RPWPCRCCDCLLORCWOWSDSDT; ; ;SY) (A; ;RPLCLORC; ; ;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Servers-Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.251 Class serviceAdministrationPoint

Holds binding information for connecting to a service in order to administer it.

```
cn: Service-Administration-Point
ldapDisplayName: serviceAdministrationPoint
governsId: 1.2.840.113556.1.5.94
objectClassCategory: 1
```

```

rdnAttId: cn
subClassOf: serviceConnectionPoint
systemPossSuperiors: computer
schemaIdGuid: b7b13123-b82e-11d0-afee-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Service-Administration-Point,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.252 Class serviceClass

Stores the properties of a Winsock service.

```

cn: Service-Class
ldapDisplayName: serviceClass
governsId: 1.2.840.113556.1.5.29
objectClassCategory: 1
rdnAttId: cn
subClassOf: leaf
systemMustContain: serviceClassID, displayName
systemMayContain: serviceClassInfo
systemPossSuperiors: container
schemaIdGuid: bf967ab1-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Service-Class,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.253 Class serviceConnectionPoint

Publishes information that client applications can use to bind to a service.

```

cn: Service-Connection-Point
ldapDisplayName: serviceConnectionPoint
governsId: 1.2.840.113556.1.5.126
objectClassCategory: 1
rdnAttId: cn
subClassOf: connectionPoint
systemMayContain: versionNumberLo, versionNumberHi, versionNumber,
vendor, serviceDNSNameType, serviceDNSName, serviceClassName,
serviceBindingInformation, appSchemaVersion
systemPossSuperiors: organizationalUnit, container, computer
schemaIdGuid: 28630ec1-41d5-11d1-a9c1-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;CO)
(A;;RPWPCRCDCCLCCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Service-Connection-Point,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.254 Class serviceInstance

A connection point object that is used by the Windows Sockets Registration and Resolution (RnR) name service. The serviceInstance object class is used by various namespace providers (such as DNS) to differentiate the type of data returned during service publication.

```
cn: Service-Instance
ldapDisplayName: serviceInstance
governsId: 1.2.840.113556.1.5.30
objectClassCategory: 1
rdnAttId: cn
subClassOf: connectionPoint
systemMustContain: serviceClassID, displayName
systemMayContain: winsockAddresses, serviceInstanceVersion
systemPossSuperiors: container
schemaIdGuid: bf967ab2-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Service-Instance,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.255 Class shadowAccount

Provides additional attributes for shadow passwords.

```
cn: ShadowAccount
ldapDisplayName: shadowAccount
governsId: 1.3.6.1.1.1.2.1
objectClassCategory: 3
rdnAttId: uid
subClassOf: top
mayContain: uid, userPassword, description, shadowLastChange,
shadowMin, shadowMax, shadowWarning, shadowInactive, shadowExpire,
shadowFlag
schemaIdGuid: 5b6d8467-1a18-4174-b350-9cc6e7b4ac8d
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=ShadowAccount,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003 R2.

2.256 Class simpleSecurityObject

Allows an entry to have a userPassword attribute when the principal object classes of an entry do not allow userPassword as an attribute type.

```
cn: simpleSecurityObject
ldapDisplayName: simpleSecurityObject
governsId: 0.9.2342.19200300.100.4.19
objectClassCategory: 3
rdnAttId: cn
subClassOf: top
mayContain: userPassword
schemaIdGuid: 5fe69b0b-e146-4f15-b0ab-c1e5d488e094
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDSDTWSW;;;DA)
```

```
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=simpleSecurityObject,<SchemaNCDN>
```

Version-Specific Behavior: First implemented on Windows Server 2003.

2.257 Class site

A container for storing server objects. This class represents a physical location that contains computers. It is used to manage replication.

```
cn: Site
ldapDisplayName: site
governsId: 1.2.840.113556.1.5.31
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: notificationList, mSMQSiteID, mSMQSiteForeign,
mSMQnt4Stub, mSMQInterval2, mSMQInterval1, managedBy, location,
gPOptions, gPLink, msDS-BridgeHeadServersUsed
systemPossSuperiors: sitesContainer
schemaIdGuid: bf967ab3-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY)
(A;;RPLCLORC;;;AU) (A;;LCRPLORC;;;ED)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Site,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.258 Class siteLink

Represents the connection between two sites.

```
cn: Site-Link
ldapDisplayName: siteLink
governsId: 1.2.840.113556.1.5.147
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: siteList
systemMayContain: schedule, replInterval, options, cost
systemPossSuperiors: interSiteTransport
schemaIdGuid: d50c2cde-8951-11d1-aebc-0000f80367c1
defaultSecurityDescriptor: D: (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Site-Link,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.259 Class siteLinkBridge

An object that tracks the site links that are transitively connected.

```

cn: Site-Link-Bridge
ldapDisplayName: siteLinkBridge
governsId: 1.2.840.113556.1.5.148
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMustContain: siteLinkList
systemPossSuperiors: interSiteTransport
schemaIdGuid: d50c2cdf-8951-11d1-aebc-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDSDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDSDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: FALSE
systemOnly: FALSE
defaultObjectCategory: CN=Site-Link-Bridge,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.260 Class sitesContainer

A container that stores site objects. This class is located in the configuration naming context.

```

cn: Sites-Container
ldapDisplayName: sitesContainer
governsId: 1.2.840.113556.1.5.107
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemPossSuperiors: configuration
schemaIdGuid: 7a4117da-cd67-11d0-afff-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDSDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDSDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Sites-Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.261 Class storage

A generic object that publishes Universal Naming Conventions (UNCs) for files.

```

cn: Storage
ldapDisplayName: storage
governsId: 1.2.840.113556.1.5.33
objectClassCategory: 1
rdnAttId: cn
subClassOf: connectionPoint
systemMayContain: monikerDisplayName, moniker, iconPath
systemPossSuperiors: container
schemaIdGuid: bf967ab5-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLOCRCWOWSDSDTSW;;;DA)
(A;;RPWPCRCDCCLCLOCRCWOWSDSDTSW;;;SY)(A;;RPLCLOCRC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Storage,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT

```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.262 Class subnet

Represents a specific network subnet to which servers and workstations are attached.

```
cn: Subnet
ldapDisplayName: subnet
governsId: 1.2.840.113556.1.5.96
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: siteObject, physicalLocationObject, location
systemPossSuperiors: subnetContainer
schemaIdGuid: b7b13124-b82e-11d0-afee-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Subnet,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.263 Class subnetContainer

A container that holds all subnet objects.

```
cn: Subnet-Container
ldapDisplayName: subnetContainer
governsId: 1.2.840.113556.1.5.95
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemPossSuperiors: sitesContainer
schemaIdGuid: b7b13125-b82e-11d0-afee-0000f80367c1
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWDSW;;;DA)
(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Subnet-Container,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.264 Class subSchema

Contains the schema definition.

```
cn: SubSchema
ldapDisplayName: subSchema
governsId: 2.5.20.1
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: objectClasses, modifyTimeStamp, extendedClassInfo,
extendedAttributeInfo, dITContentRules, attributeTypes
systemPossSuperiors: dMD
schemaIdGuid: 5a8b3261-c38d-11d1-bbc9-0080c76670c0
defaultSecurityDescriptor: D:S:
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=SubSchema,<SchemaNCDN>
```

```
systemFlags: FLAG_SCHEMA_BASE_OBJECT | FLAG_DOMAIN_DISALLOW_RENAME
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.265 Class top

The top-level class from which all classes are derived.

```
cn: Top
ldapDisplayName: top
governsId: 2.5.6.0
objectClassCategory: 2
rdnAttId: cn
subClassOf: top
systemMustContain: objectClass, objectCategory, nTSecurityDescriptor,
instanceType
mayContain: msSFU30PosixMemberOf, msDFSR-ComputerReferenceBL,
msDFSR-MemberReferenceBL, msDS-ObjectReferenceBL
systemMayContain: msDS-EnabledFeatureBL, msDS-LastKnownRDN,
msDS-HostServiceAccountBL, msDS-CloudAnchor,
msDS-OIDToGroupLinkBl, msDS-LocalEffectiveRecycleTime,
msDS-LocalEffectiveDeletionTime, isRecycled, msDS-NcType,
msDS-PSOApplied, msDS-PrincipalName,
msDS-RevealedListBL, msDS-AuthenticatedToAccountList,
msDS-IsPartialReplicaFor, msDS-IsDomainFor, msDS-IsFullReplicaFor,
msDS-RevealedDSAs, msDS-KrbTgtLinkBl, url, WWWHomePage, whenCreated,
whenChanged, wellKnownObjects, wbemPath, uSNSource, uSNLastObjRem,
USNIntersite, uSNSALastObjRemoved, uSNCreated, uSNChanged,
systemFlags, subSchemaSubEntry, subRefs, structuralObjectClass,
siteObjectBL, serverReferenceBL, sDRightsEffective, revision,
repsTo, repsFrom, directReports, replUpToDateVector,
replPropertyMetaData, name, queryPolicyBL, proxyAddresses,
proxiedObjectName, possibleInferiors, partialAttributeSet,
partialAttributeDeletionList, otherWellKnownObjects, objectVersion,
objectGUID, distinguishedName, nonSecurityMemberBL, netbootSCPBL,
ownerBL, msDS-ReplValueMetaData, msDS-ReplAttributeMetaData,
msDS-NonMembersBL, msDS-NCReplOutboundNeighbors,
msDS-NCReplInboundNeighbors, msDS-NCReplCursors,
msDS-TasksForAzRoleBL, msDS-TasksForAzTaskBL,
msDS-OperationsForAzRoleBL, msDS-OperationsForAzTaskBL,
msDS-MembersForAzRoleBL, msDs-masteredBy, mS-DS-ConsistencyGuid,
mS-DS-ConsistencyChildCount, msDS-Approx-Immed-Subordinates,
msCOM-PartitionSetLink, msCOM-UserLink, modifyTimeStamp, masteredBy,
managedObjects, lastKnownParent, isPrivilegeHolder, memberOf,
isDeleted, isCriticalSystemObject, showInAdvancedViewOnly,
fSMORoleOwner, fRSMemberReferenceBL, frsComputerReferenceBL,
fromEntry, flags, extensionName, dSASignature,
dScorePropagationData, displayNamePrintable, displayName,
description, createTimeStamp, cn, canonicalName,
bridgeheadServerListBL, allowedChildClassesEffective,
allowedChildClasses, allowedAttributesEffective, allowedAttributes,
adminDisplayName, adminDescription, msDS-NC-RO-Replica-Locations-BL,
msDS-ClaimSharesPossibleValuesWithBL, msDS-MembersOfResourcePropertyListBL,
msDS-IsPrimaryComputerFor, msDS-ValueTypeReferenceBL, msDS-TDOIngressBL,
msDS-TDOEgressBL, msds-memberTransitive, msds-memberOfTransitive,
msDS-parentdistname, msDS-ReplValueMetaDataExt, msDS-SourceAnchor,
msDS-ObjectSoa
systemPossSuperiors: lostAndFound
schemaIdGuid: bf967ab7-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCCDCLCLORCWOWSDDTSW;;;DA)
(A;;RPWPCCDCLCLORCWOWSDDTSW;;;SY)(A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: TRUE
defaultObjectCategory: CN=Top,<SchemaNCN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.266 Class trustedDomain

An object that represents a domain that is trusted by, or trusting, the local domain.

```
cn: Trusted-Domain
ldapDisplayName: trustedDomain
governsId: 1.2.840.113556.1.5.34
objectClassCategory: 1
rdnAttId: cn
subClassOf: leaf
systemMayContain: msDS-SupportedEncryptionTypes, trustType,
  trustPosixOffset, trustPartner, trustDirection, trustAuthOutgoing,
  trustAuthIncoming, trustAttributes, securityIdentifier,
  msDS-TrustForestTrustInfo, mS-DS-CreatorSID, initialAuthOutgoing,
  initialAuthIncoming, flatName, domainIdentifier, domainCrossRef,
  additionalTrustedServiceNames, msDS-IngressClaimsTransformationPolicy,
  msDS-EgressClaimsTransformationPolicy
systemPossSuperiors: container
schemaIdGuid: bf967ab8-0de6-11d0-a285-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
  (OA;;WP;736e4812-af31-11d2-b7df-00805f48caeb;
  bf967ab8-0de6-11d0-a285-00aa003049e2;CO) (A;;SD;;;CO)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Trusted-Domain,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.267 Class typeLibrary

Contains information about a type library.

```
cn: Type-Library
ldapDisplayName: typeLibrary
governsId: 1.2.840.113556.1.5.53
objectClassCategory: 1
rdnAttId: cn
subClassOf: top
systemMayContain: cOMuniqueLIBID, cOMInterfaceID, cOMClassID
systemPossSuperiors: classStore
schemaIdGuid: 281416e2-1968-11d0-a28f-00aa003049e2
defaultSecurityDescriptor: D:(A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;DA)
  (A;;RPWPCRCDCCLCLORCWOWSDDTSW;;;SY) (A;;RPLCLORC;;;AU)
defaultHidingValue: TRUE
systemOnly: FALSE
defaultObjectCategory: CN=Type-Library,<SchemaNCDN>
systemFlags: FLAG_SCHEMA_BASE_OBJECT
```

Version-Specific Behavior: First implemented on Windows 2000 Server.

2.268 Class user

Stores information about an employee or contractor who works for an organization. It is also possible to apply this class to long-term visitors.

```
cn: User
```


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