

Schema Menu

Introductory Information

[Copyright](#)

[About Schema](#)

Indexes

[Object Class Index](#)

[Attribute Index](#)

[ISO Country Codes](#)

Object Class Listings

[Administration Servers](#)

[Calendar Server](#)

[Collabra Server](#)

[Compass Server](#)

[Delegated Administration](#)

[Directory Server](#)

[Enterprise Server](#)

[Messaging Server](#)

[Mission Control Desktop](#)

[Network Information Service \(NIS\)](#)

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About Schema

Schema Supported by Directory Server 4.0

Schema files are stored in /<NSHOME>/slapd-<server ID>/config during installation (where <NSHOME> is the installation directory and <server ID> is the name given to the Directory Server instance).

Modifications to directory object classes are stored in slapd.user_oc.conf. Modifications to directory attributes are stored in slapd.user_at.conf. Modifying other schema files may result in interoperability problems.

Schema files listed here include schema supported by previous server releases.

For more information about how the Directory Server stores information and suggestions for planning directory schema, refer to the *Netscape Directory Server Deployment Guide*.

Schema Installed with Directory Server 4.0

Schema Filename	Purpose	Described in...
ns-admin-schema.conf	Used by Netscape Administration Server 4.0 and the Netscape Mission Control Console.	Administration Server Object Classes
ns-calendar-schema.conf	Used by Netscape Calendar Server.	Calendar Server Object Classes

Schema Supported by Directory Server 4.0

Schema Installed with Directory Server 4.0 (Continued)

Schema Filename	Purpose	Described in...
ns-certificate-schema.conf	Used to identify a certificate server. <code>netscapeCertificateServer</code> is the sole object class.	Directory Server Object Classes
ns-common-schema.conf	Contains objects classes and attributes common to the Netscape Mission Control Framework.	Administration ServerObject Classes
ns-compass-schema.conf	Used by Netscape Compass Server to define personal interest profiles.	Compass Server Object Classes
ns-delegated-admin-schema.conf	Used by Netscape Delegated Administrator 1.0	Delegated Administrator Object Classes
ns-directory-schema.conf	Used to identify a Directory Server. <code>netscapeDirectoryServer</code> is the sole object class. (Directory server object classes are stored in <code>slapd.oc.conf</code> . Directory Server attributes are stored in <code>slapd.at.conf</code> .)	Directory Server Object Classes
ns-legacy-schema.conf	Used by Netscape Administration Server for legacy servers.	Administration Server Object Classes
ns-mail-schema.conf	Used by Messaging Server to define mail users and mail groups.	Messaging Server Object Classes

Schema Supported by Directory Server 4.0

Schema Installed with Directory Server 4.0 (Continued)

Schema Filename	Purpose	Described in...
ns-mcd-browser-schema.conf	Used by Mission Control Desktop to hold browser client preferences.	Mission Control Desktop Object Classes
ns-mcd-config-schema.conf	Used by Mission Control Desktop to set MCD "config()" preferences.	Mission Control Desktop Object Classes
ns-mcd-li-schema.conf	Used by Mission Control Desktop to define location independence.	Mission Control Desktop Object Classes
ns-mcd-mail-schema.conf	Used by Mission Control Desktop to hold mail client preferences and messenger security preferences.	Mission Control Desktop Object Classes
ns-media-schema.conf	Used to identify a media server. netscapeMediaServer is the sole object class.	Directory Server Object Classes
ns-mlm-schema.conf	Used by Messaging Server 4.0 for mailing list management.	Messaging Server Object Classes
ns-msg-schema.conf	Used by Netscape Messaging Server 4.0	Messaging Server Object Classes

Schema Supported by Directory Server 4.0

Schema Installed with Directory Server 4.0 (Continued)

Schema Filename	Purpose	Described in...
ns-netshare-schema.conf	Used by Netscape Enterprise and FastTrack servers. This schema is for enabling netshare user accounts or user projects, and for enabling creation and maintenance of netshare projects using a project management utility CGI.	Enterprise Server Object Classes
ns-news-schema.conf	Used by Netscape Compass Server to hold news group preferences.	Compass Server Object Classes
ns-proxy-schema.conf	Used to identify a proxy server. netscapeProxyServer is the sole object class.	Directory Server Object Classes
ns-value-schema.conf	Schema used for defining schemaless configuration for LDAP.	not provided
ns-web-schema.conf	Used to identify an HTTP server. netscapeWebServer is the sole object class.	Enterprise Server Object Classes

Schema Installed with Directory Server 4.0 (Continued)

Schema Filename	Purpose	Described in...
slapd.at.conf	Includes X.500 user schema for use with LDAP, LDAP attributes defined by the IETF, pilot X.500 schema for use in LDAPv3, and Netscape-defined attributes	Object class Object Classes
slapd.oc.conf	Contains standard object classes expected to be present in Directory Server 4.0 unchanged. Modifying this file will cause interoperability problems. User defined ObjectClasses should be added by selecting Schema Create ObjectClasses from the Netscape Caonsole. User-defined objectClasses are saved in slapd.user_oc.conf.	Directory Server Object Classes

LDAP Overview

LDAP Overview

What is LDAP?

Netscape Directory Server includes object classes and object class attributes defined by the Lightweight Directory Access Protocol (LDAP) and extensions to the standard LDAP schema developed by Netscape and by the Internet Engineering Task Force (IETF) that extend the basic functionality of LDAP.

Initially developed at the University of Michigan, LDAP is a lightweight version of the X.500 Directory Access Protocol (DAP). LDAP has become an Internet standard for directory services that run over TCP / IP.

Netscape Directory Server version 3.0 and later supports LDAPv2 and LDAPv3.

How LDAP Works

One or more LDAP servers contain the data that make up the LDAP directory. An LDAP client connects to an LDAP server and submits a query to request or update directory information. As long as access rights are granted to the client, the LDAP server responds to the query. The LDAP server may also refer the query to another LDAP server for response.

An LDAP directory stores information in object-oriented hierarchies of entries. Each entry is uniquely identified by a distinguished name, or DN. the DN consists of the name of the entry plus a path of names tracing the entry back to the top of the directory hierarchy.

Object Classes

In LDAP, an object class defines the collection of attributes that can be used to define an entry. The LDAP standard provides these basic types of object classes:

- Groups in the directory, including unordered lists of individual objects or groups of objects.
- Locations, such as the country name and description.
- Organizations in the directory.
- People in the directory.

Object Classes

Object Class Inheritance

An entry can belong to more than one object class. For example, the entry for a person is defined by the person object class, but may also be defined by attributes in the inetOrgPerson, groupOfNames, and organization object classes

The server's object class structure (its schema) determines the total list of required and allowed attributes for a particular entry. For example, a person entry is usually defined with the following object class structure:

objectClass: top

objectClass: person

objectClass: organizationalPerson

objectClass: inetOrgperson

In this structure, the inetOrgperson object class should not be placed on an entry until the person and organizationalPerson object classes have been defined on the entry.

Reserved Object Classes

Reserved schema includes object classes that are essential to software operation but not meant for development purposes and object classes reserved for future use. These object classes are not meant to be used to extend server functionality.

Attributes

Directory data is represented as attribute-value pairs. Any specific piece of information is associated with a descriptive attribute.

For instance, the `commonName`, or `cn`, attribute is used to store a person's name. A person named Jonas Salk can be represented in the directory as

```
cn: Jonas Salk
```

Each person entered in the directory is defined by the collection of attributes in the person object class. Other attributes used to define this entry could include:

```
givenname: Jonas
```

```
surname: Salk
```

```
mail: jonass@airius.com
```

Attributes

Required and Allowed Attributes

Required attributes include the attributes that must be present in entries using the object class. All entries require the `objectClass` attribute, which lists the object classes to which an entry belongs.

Allowed attributes include the attributes that may be present in entries using the object class. For example, in the `person` object class, the `cn` and `sn` attributes are required. The `description`, `telephoneNumber`, `seeAlso`, and `userpassword` attributes are allowed but are not required.

Attribute Syntax

Each attribute has a corresponding syntax definition. The syntax definition describes the type of information provided by the attribute.

Attribute syntax is used by the Directory Server to perform sorting and pattern matching.

Attribute Syntax

Syntax Method	Abbreviation	Definition
Binary	bin	Indicates that values for this attribute are binary
Boolean	boolean	Having two values: On or ff, True or False, Yes or No.
Case Exact String	ces	Indicates that values for this attribute are case sensitive.
Case Ignore String	cis	Indicates that values for this attribute are not case sensitive.

Object Identifiers (OIDs)

Attribute Syntax

Syntax Method	Abbreviation	Definition
Telephone	tel	telephone number (identical to cis, but blanks and dashes (-) are ignored during comparisons).
Distinguished Name	dn	Indicates that values for this attribute are DNs.
Integer	int	Indicates that valid values for this attribute are numbers.
Operational	operational	Operational attributes are not displayed in search results.

Required and allowed attributes for each object class are included in the object class listing.

Attributes that are single-values—that is, only one instance of the attribute can be specified—are noted as such.

Object Identifiers (OIDs)

Object identifiers (OIDs) are assigned to all attributes and object classes to conform to the LDAP and X.500 standards. An OID is a sequence of integers, typically written as a dot-separated string. When no OID is specified, the Directory Server automatically uses <ObjectClass name>-oid.

The Netscape base OID is

2.16.840.1.113730

Object Identifiers (OIDs)

The base OID for the Netscape Directory Server is

2.16.840.1.113730.3

All Netscape-defined attributes have the base OID of

2.16.840.1.113370.3.1

All Netscape-defined object classes have the base OID of

2.16.840.1.113730.3.2

Extending Server Schema

The Directory Server schema includes hundreds of object classes and attributes that can be used to meet most Directory Server requirements. This schema can be extended with new object classes and attributes that meet evolving requirements for the directory service in the enterprise.

When adding new attributes to the schema, a new object class should be created to contain them (adding a new attribute to an existing object class can compromise the Directory Server's compatibility with existing LDAP clients that rely on the standard LDAP schema and may cause difficulties when upgrading the server).

For more information about extending server schema, refer to the *Netscape Directory Server Deployment Manual*.

Schema Checking

Netscape recommends running the Directory Server with schema checking turned on.

Schema checking causes the Netscape Directory Server to check new entries to verify the following:

- object classes and attributes are defined in the directory schema
- attributes required for an object class are contained in the entry
- only attributes allowed by the object class are contained in the entry

Sources of Related Information

Schema checking also occurs when entries are modified and when importing a database using LDIF. For more information, refer to the *Netscape Directory Server Administration Guide*.

Sources of Related Information

Schema-Related Directory Server Documentation

Where to Find . . .	Look in . . .
detailed information about object classes, attributes, and how the Directory Server uses the schema	<i>Netscape Directory Server Deployment Manual</i>
procedures for copying or migrating schema from one server instance to another	<i>Netscape Directory Server Installation Manua</i>
information about extending schema	<i>Netscape Directory Server Administration Guide</i>
Directory Server Release 4.0 documentation on-line	http://home.netscape.com/eng/server/directory/4.0/relnotes.html

Sources of Related Information

LDAP Specifications (RFCs)

Title	Summary
Lightweight Directory Access Protocol. (RFC 1777)	The protocol described in this document is designed to provide access to X.500 Directory while not incurring the resource requirements of the Directory Access Protocol (DAP).
The String Representation of Standard Attribute Syntaxes. (RFC 1778)	This document defines the encoding rules for the standard set of attribute syntaxes
A String Representation of Distinguished Names. (RFC 1779)	This specification defines a string format for representing names, which is designed to give a clean representation of commonly used names, while being able to represent any distinguished name.
Using the OSI Directory to Achieve User Friendly Naming (RFC 1781)	This proposal sets out some conventions for representing names in a friendly manner, and shows how this can be used, then specifies a standard format for representing names.
Schema Publishing in X.500 Directory (RFC 1804)	This document presents a solution to the schema distribution problem using the existing mechanisms of the directory. A naming scheme for naming schema objects and a meta-schema for storing schema objects is presented.
The LDAP Application Program Interface (RFC 1823)	This document defines a C language application program interface to the lightweight directory access protocol (LDAP). The LDAP API defines compatible synchronous and asynchronous interfaces to LDAP.

Sources of Related Information

LDAP Specifications (RFCs) (Continued)

Title	Summary
An LDAP URL Format. (RFC 1959)	This document describes a format for an LDAP Uniform Resource Locator which will allow Internet clients to have direct access to the LDAP protocol.
A String Representation of LDAP Search Filters (RFC 1960)	This document defines a human-readable string format for representing LDAP search filters.
Lightweight Directory Access Protocol (v3) (RFC 2251)	The protocol described in this document is designed to provide access to directories supporting the X.500 models, while not incurring the resource requirements of the X.500 Directory Access Protocol (DAP).
LDAPv3 Attribute Syntax Definitions (RFC 2252)	Defines a set of syntaxes for LDAPv3, and the rules by which attribute values of these syntaxes are represented as octet strings for transmission in the LDAP protocol.
UTF-8 String Representation of Distinguished Names (RFC 2253)	This specification defines the string format for representing names, which is designed to give a clean representation of commonly used distinguished names, while being able to represent any distinguished name.
The String Representation of LDAP Search Filters (RFC 2254)	Some applications may find it useful to have a common way of representing these search filters in a human-readable form. This document defines a human-readable string format for representing LDAP search filters.
The LDAP URL Format (RFC 2255)	This document describes a format for an LDAP Uniform Resource Locator. The format describes an LDAP search operation to perform to retrieve information from an LDAP directory

Sources of Related Information

LDAP Specifications (RFCs) (Continued)

Title	Summary
A Summary of the X.500(96) User Schema for use with LDAPv3 (RFC 2256)	This document provides an overview of the attribute types and object classes defined by the ISO and ITU-T committees in the X.500 documents, in particular those intended for use by directory clients. This is the most widely used schema for LDAP / X.500 directories, and many other schema definitions for white pages objects use it as a basis.
An Approach for Using LDAP as a Network Information Service (RFC 2307)	This document describes an experimental mechanism for mapping entities related to TCP/IP and the UNIX system into X.500 [X500] entries so that they may be resolved with the Lightweight Directory Access Protocol [RFC2251]. A set of attribute types and object classes are proposed, along with specific guidelines for interpreting them.

Additional LDAP Resources

Resource	URL
More information about OIDs, or to request a prefix for your enterprise.	IANA (Internet Assigned Number Authority) website at http://www.iana.org/iana/
Internet Engineering Task Force (IETF) home page	http://www.ietf.org/
LDAP Frequently asked questions	http://www.critical-angle.com/ldapworld/ldapfaq.html

Sources of Related Information

Additional LDAP Resources

Resource	URL
University of Michigan's LDAP page	http://www.umich.edu/~dirsvcs/ldap/index.html
LDAP Resources page on Netscape's DevEdge On-line	http://devedge.tech/directory/index.html?content=resources.html

ISO Country Codes

Country	ISO Code
Afghanistan	AF
Albania	AL
Algeria	DZ
American Samoa	AS
Andorra	AD
Angola	AO
Anguilla	AI
Antarctica	AQ
Antigua and Barbuda	AG
Argentina	AR
Armenia	AM
Aruba	AW
Australia	AU
Austria	AT
Azerbaijan	AZ
Bahamas	BS
Bahrain	BH
Bangladesh	BD

Country	ISO Code
Barbados	BB
Belarus	BY
Belgium	BE
Belize	BZ
Benin	BJ
Bermuda	BM
Bhutan	BT
Bolivia	BO
Bosnia and Herzegovina	BA
Botswana	BW
Bouvet Island	BV
Brazil	BR
British Indian Ocean Territory	IO
Brunei Darussalam	BN
Bulgaria	BG
Burkina Faso	BF
Burundi	BI
Cambodia	KH
Cameroon	CM
Canada	CA

Country	ISO Code
Cape Verde	CV
Cayman Islands	KY
Central African Republic	CF
Chad	TD
Chile	CL
China	CN
Christmas Island	CX
Cocos (Keeling) Islands	CC
Colombia	CO
Comoros	KM
Congo	CG
Cook Islands	CK
Costa Rica	CR
Cote d'Ivoire	CI
Croatia (local name: Hrvatska)	HR
Cuba	CU
Cyprus	CY
Czech Republic	CZ
Denmark	DK

Country	ISO Code
Djibouti	DJ
Dominica	DM
Dominican Republic	DO
East Timor	TP
Ecuador	EC
Egypt	EG
El Salvador	SV
Equatorial Guinea	GQ
Eritrea	ER
Estonia	EE
Ethiopia	ET
Falkland Islands (Malvinas)	FK
Faroe Islands	FO
Fiji	FJ
Finland	FI
France	FR
France, Metropolitan	FX
French Guiana	GF
French Polynesia	PF

Country	ISO Code
French Southern Territories	TF
Gabon	GA
Gambia	GM
Georgia	GE
Germany	DE
Ghana	GH
Gibraltar	GI
Greece	GR
Greenland	GL
Grenada	GD
Guadeloupe	GP
Guam	GU
Guatemala	GT
Guinea	GN
Guinea-Bissau	GW
Guyana	GY
Haiti	HT
Heard and Mc Donald Islands	HM
Holy See (Vatican City State)	VA

Country	ISO Code
Honduras	HN
Hong Kong	HK
Hungary	HU
Iceland	IS
India	IN
Indonesia	ID
Iran (Islamic Republic of)	IR
Iraq	IQ
Ireland	IE
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Jordan	JO
Kazakhstan	KZ
Kenya	KE
Kiribati	KI
Korea, Democratic People's Republic of	KP
Korea, Republic of	KR

Country	ISO Code
Kuwait	KW
Kyrgyzstan	KG
Lao People's Democratic Republic	LA
Latvia	LV
Lebanon	LB
Lesotho	LS
Liberia	LR
Libyan Arab Jamahiriya	LY
Liechtenstein	LI
Lithuania	LT
Luxembourg	LU
Macau	MO
Macedonia, the Former Yugoslav Republic of	MK
Madagascar	MG
Malawi	MW
Malaysia	MY
Maldives	MV
Mali	ML
Malta	MT

Country	ISO Code
Marshall Islands	MH
Martinique	MQ
Mauritania	MR
Mauritius	MU
Mayotte	YT
Mexico	MX
Micronesia, Federated States of	FM
Moldova, Republic of	MD
Monaco	MC
Mongolia	MN
Montserrat	MS
Morocco	MA
Mozambique	MZ
Myanmar	MM
Namibia	NA
Nauru	NR
Nepal	NP
Netherlands	NL
Netherlands Antilles	AN
New Caledonia	NC

Country	ISO Code
New Zealand	NZ
Nicaragua	NI
Niger	NE
Nigeria	NG
Niue	NU
Norfolk Island	NF
Northern Mariana Islands	MP
Norway	NO
Oman	OM
Pakistan	PK
Palau	PW
Panama	PA
Papua New Guinea	PG
Paraguay	PY
Peru	PE
Philippines	PH
Pitcairn	PN
Poland	PL
Portugal	PT
Puerto Rico	PR

Country	ISO Code
Qatar	QA
Reunion	RE
Romania	RO
Russian Federation	RU
Rwanda	RW
Saint Kitts and Nevis	KN
Saint Lucia	LC
Saint Vincent and the Grenadines	VC
Samoa	WS
San Marino	SM
Sao Tome and Principe	ST
Saudi Arabia	SA
Senegal	SN
Seychelles	SC
Sierra Leone	SL
Singapore	SG
Slovakia (Slovak Republic)	SK
Slovenia	SI
Solomon Islands	SB

Country	ISO Code
Somalia	SO
South Africa	ZA
South Georgia and the South Sandwich Islands	GS
Spain	ES
Sri Lanka	LK
St. Helena	SH
St. Pierre and Miquelon	PM
Sudan	SD
Suriname	SR
Svalbard and Jan Mayen Islands	SJ
Swaziland	SZ
Sweden	SE
Switzerland	CH
Syrian Arab Republic	SY
Taiwan, Province of China	TW
Tajikistan	TJ
Tanzania, United Republic of	TZ
Thailand	TH

Country	ISO Code
Togo	TG
Tokelau	TK
Tonga	TO
Trinidad and Tobago	TT
Tunisia	TN
Turkey	TR
Turkmenistan	TM
Turks and Caicos Islands	TC
Tuvalu	TV
Uganda	UG
Ukraine	UA
United Arab Emirates	AE
United Kingdom	GB
United States	US
United States Minor Outlying Islands	UM
Uruguay	UY
Uzbekistan	UZ
Vanuatu	VU
Venezuela	VE

Country	ISO Code
Viet Nam	VN
Virgin Islands (British)	VG
Virgin Islands (U.S.)	VI
Wallis and Futuna Islands	WF
Western Sahara	EH
Yemen	YE
Yugoslavia	YU
Zaire	ZR
Zambia	ZM
Zimbabwe	ZW

Object Class Index

A

account object class 55
alias object class 56
applicationEntity object class 57
applicationProcess object class 58
automount object class 143

B

bootableDevice object class 144

C

cacheObject object class 59
certificationAuthority object class 60
changeLogEntry object class 61
cirReplicaSource object class 63
config object class 65
country object class 66

D

dcObject object class 67
device object class 68
directory ServerFeature object class 69

DNSDomain object class 77
document object class 70
documentSeries object class 72
domain object class 73
domainRelatedObject object class 76
dSA object class 78

F

friendlyCountry object class 80

G

glue object class 81
groupOfCertificates object class 82
groupOfNames object class 83
groupOfUniqueNames object class 84
groupOfURLs object class 85

I

inetOrgPerson object class 92
ipHost object class 146
ipNetwork object class 147
ipProtocol object class 148

Object Class Index

ipService object class 149

L

labeledURIObject object class 86

LDAPReplica object class 88

LDAPServer object class 87

locality object class 91

M

mailGroup object class 167

mailRecipient object class 169

N

netscapeCalendarServer object
class 29

netscapeCertificateServer object
class 94

netscapeCompassServer object
class 43

netscapeDirectoryServer object
class 95

netscapeMachineData object class 96

netscapeMediaServer object class 97

netscapeMessagingServer object
class 171

netscapeNewsServer object class 39

netscapeProxyServer object class 98

netscapeServer object class 99

netscapeWebServer object class 137

netshareAccount object class 138

netshareProjectManagementGlobalConf
object class 139

newPilotPerson object class 100

nglnfo object class 40

nisMap object class 151

nisNetgroup object class 150

nisObject object class 152

nsAdminConfig object class 1

nsAdminConsoleUser object class 2

nsAdminDomain object class 3

nsAdminGlobalParameters object
class 4

nsAdminGroup object class 5

nsAdminObject object class 6

nsAdminResourceEditorExtension
object class 7

nsAdminServer object class 8

nsApplication object class 9

nsCalAdmin object class 30

nsCalResource object class 33

nsCalUser object class 36

nsConfig object class 11

nsCustomView object class 12

nsDefaultObjectClasses object class 13

nsDirectoryInfo object class 14

nsEncryptionConfig object class 15

Object Class Index

nsEncryptionModule object class 16	nsMsgCfgLog object class 182
nses4a object class 141	nsMsgCfgMTAAccept object class 187
nses4n object class 140	nsMsgCfgMTAAutoReplyHandler object class 190
nsGlobalParameters object class 17	nsMsgCfgMTAErrorHandler object class 191
nsHost object class 18	nsMsgCfgMTALog object class 193
nsLiPtr object class 157	nsMsgCfgMTAMboxDeliver object class 194
nsLegacyAdminGroup object class 19	nsMsgCfgMTA object class 184
nsLegacyAdminServer object class 20	nsMsgCfgMTAProgDeliver object class 195
nsLegacyApplication object class 21	nsMsgCfgMTARouter object class 197
nsLegacyServer object class 22	nsMsgCfgMTASMTPLDeliver object class 199
nsLicenseUser object class 103	nsMsgCfgMTAUnixDeliver object class 201
nsLiProfileElement 159	nsMsgCfgNNTP object class 203
nsLiProfile object class 158	nsMsgCfgPartition object class 205
nsLiServer object class 160	nsMsgCfgPOP object class 206
nsMailClient object class 161	nsMsgCfgPublic object class 208
nsManagedDomain object class 52, 53	nsMsgCfgReport object class 209
nsManagedISP object class 51	nsMsgCfgScript object class 210
nsManagedPerson object class 54	nsMsgCfgService object class 211
nsMessagingServerUser object class 172	nsMsgCfgSNMP object class 212
nsMsgCfgAlarmContainer object class 175	nsMsgCfgStore object class 215
nsMsgCfgAlarm object class 174	nsMsgCfgUser object class 217
nsMsgCfgAlias object class 176	nsPreferenceMap object class 165
nsMsgCfgContainer object class 177	nsResourceRef object class 23
nsMsgCfgExpireRule object class 178	
nsMsgCfgGen object class 179	
nsMsgCfgIMAP object class 180	

Object Class Index

nsSlapdPlugin object class 104
nsSNMP object class 105
nsTaskGroup object class 25
nsTask object class 24
nsTopologyCustomView object
class 26
nsTopologyPlugin object class 27
ntGroup object class 106
ntUser object class 107

O

oncRpc object class 153
organizationalPerson object class 112
organizationalRole object class 114
organizationalUnit object class 116
organization object class 110

P

passwordObject object class 119
passwordPolicy object class 120
personalInterestProfile object class 44
person object class 118

pilotObject object class 122
pilotOrganization object class 123
PIPUserInfo object class 49
PIPUser object class 48
posixAccount object class 154
posixGroup object class 155

R

referral object class 125
residentialPerson object class 126
RFC822LocalPart object class 128
room object class 129

S

shadowAccount object class 156
simpleSecurityObject object class 131
strongAuthenticationUser object
class 130
subschema object class 132

V

vlvIndex object class 135

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

A

abstract attribute 3
accountUnlockTime attribute 4
aci attribute 5
administratorContactInfo attribute 6
adminUrl attribute 7
aliasedObjectName attribute 8
altServer attribute 9
archiveFile attribute 10
associatedDomain attribute 11
associatedName attribute 12
attribute 413
attributeTypes attribute 13
audio attribute 14
authorCn attribute 15
authorityRevocationList attribute 17,
18
authorSn attribute 16

B

binary attribute 825
bootFile attribute 20, 185

bootParameter attribute 21
buildingName attribute 22
businessCategory attribute 23
nsmsgfoldersize 413

C

cACertificate attribute 26
carLicense attribute 27
c attribute 25
certificateRevocationList attribute 28
changeLog attribute 29
changeLogMaximumAge attribute 30
changeLogMaximumSize attribute 31
changeNumber attribute 32
changes attribute 33
changeTime attribute 34
changeType attribute 35
cirBeginORC attribute 36
cirBindCredentials attribute 37
cirBindDn attribute 38
cirHost attribute 39
cirLastUpdateApplied attribute 40

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

cirPort attribute 41
cirReplicaRoot attribute 42
cirSyncInterval attribute 43
cirUpdateFailedat attribute 44
cirUpdateSchedule attribute 45
cirUsePersistentSearch attribute 46
cirUseSsl attribute 47
cn attribute 48
commonName attribute, See cn attribute
countryName attribute, See c attribute
createTimestamp attribute 50
creatorsName attribute 51
crossCertificatePair attribute 52

D

deleteOldRdn attribute 55
deltaRevocationList attribute 56
departmentNumber attribute 57
description attribute 58
destinationIndicator attribute 59
displayName attribute 60
distinguishedName attribute 61
dITContentRules attribute 62
dITRedirect attribute 63
dITStructureRules attribute 64
dmdname attribute 65
dn attribute 66

dnQualifier attribute 68
dNSRecord attribute 67
documentAuthor attribute 69
documentIdentifier attribute 70
documentLocation attribute 71
documentPublisher attribute 72
documentStore attribute 73
documentTitle attribute 74
documentVersion attribute 75
drink attribute 76
dSAQuality attribute 77

E

employeeNumber attribute 79
employeeType attribute 80
enhancedSearchGuide attribute 81

F

facsimileTelephoneNumber attribute,
See fax attribute
favouriteDrink attribute, See drink
attribute
fax attribute 83
filterInfo attribute 84

G

gecos attribute 86

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

generation attribute 87
 generationQualifier attribute 88
 gidNumber attribute 89
 givenName attribute 90
 groupPassword attribute 91

H

homeDirectory attribute 94
 homePhone attribute 94
 homePostalAddress attribute 95
 homeTelephoneNumber attribute, See
 homePhone attribute
 host attribute 96
 houseIdentifier attribute 97

I

info attribute 99
 initials attribute 100
 installationTimeStamp attribute 101
 internationalSdnNumber attribute 102
 ipHostNumber attribute 103
 ipNetmaskNumber attribute 104
 ipNetworkNumber attribute 105
 ipProtocolNumber attribute 106
 ipServicePort attribute 108
 ipServiceProtocol attribute 108

J

janetMailbox attribute 110
 jpegPhoto attribute 111

K

keyWords attribute 113
 knowledgeInformation attribute 114

L

labeledUrl attribute 118
 lastModifiedBy attribute 119
 lastModifiedTime attribute 120
 l attribute 116
 ldapSyntaxes attribute 121
 localityName attribute, See l attribute
 loginShell attribute 122

M

macAddress attribute 124
 mailAccessDomain attribute 126
 mailAllowedBroadcaster attribute 148
 mailAlternateAddress attribute 127
 mail attribute 125, 136, 160, 164
 mailAutoReplyMode attribute 128
 mailAutoReplyText attribute 129
 mailDeliveryOption attribute 130
 mailForwardingAddress attribute 131

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

[mailHost attribute](#) 132
[mailMessageStore attribute](#) 133
[mailPreferenceOption attribute](#) 134
[mailProgramDelivery attribute](#) 135
[mailRoutingAddress attribute](#) 137
[manager attribute](#) 138
[matchingRules attribute](#) 139
[matchingRuleUse attribute](#) 140
[member attribute](#) 141
[memberCertificateDescription attribute](#) 143
[memberNisNetgroup attribute](#) 145
[memberUid attribute](#) 146
[memberURL attribute](#) 147
[mgmemGroupServerParam attribute](#) 148
[mgrpAllowedDomain attribute](#) 149
[mgrpApprovePassword attribute](#) 150
[mgrpBroadcasterPolicy attribute](#) 151
[mgrpDeliverException attribute](#) 152
[mgrpDeliverTo attribute](#) 153
[mgrpErrorsTo attribute](#) 154
[mgrpModerator attribute](#) 155
[mgrpMsgMaxSize attribute](#) 156
[mgrpMsgReectAction attribute](#) 158
[mgrpNoDuplicateChecks attribute](#) 161
[mgrpPassword attribute](#) 162
[mobile attribute](#) 165

[mobileTelephoneNumber attribute, See mobile attribute](#)
[modifiersName attribute](#) 166
[modifyTimestamp attribute](#) 167
[multiLineDescription attribute](#) 168

N

[name attribute](#) 170
[nameForms attribute](#) 171
[namingContexts attribute](#) 172
[netscapeMDSuffix attribute](#) 341
[netscapeReplicaState attribute](#) 173
[newRdn attribute](#) 180
[newsComponentName attribute](#) 182
[newSuperior attribute](#) 181
[ngcomponent attribute](#) 183
[nisMapEntry attribute](#) 184
[nisMapName attribute](#) 185
[nisNetgroupTriple attribute](#) 188
[nsAccessHosts attribute](#) 190, 191
[nsAccessLog attribute](#) 188
[nsaclrole attribute](#) 188
[nsAdminCacheLifetime attribute](#) 193
[nsAdminCGIWaitPid attribute](#) 194
[nsAdminDomainName attribute](#) 195
[nsAdminEnableDSGW attribute](#) 192, 196
[nsAdminEnableEndUseHTMLIndexr](#)

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

attribute	198	nsCalOrgUnit4 attribute	224
nsAdminEnableEndUser attribute	197	nsCalPasswordRequired attribute	225
nsAdminGroupName attribute	199	nsCalPrmd attribute	226
nsAdminOneACLDIR attribute	200	nsCalRefreshPrefs attribute	227
nsAdminSIEDN attribute	202	nsCalResourceCapacity attribute	228
nsAdminUsers attribute	201	nsCalResourceNumber attribute	229
nsBaseDN attribute	203	nsCalServerVersion attribute	230
nsBindDN attribute	204	nsCalSysopCanWritePassword attribute	231
nsBindPassword attribute	205	nsCalTimezone attribute	232
nsBuildNumber attribute	206	nsCalXItemId attribute	233
nsBuildSecurityr attribute	207	nsCertfile attribute	236
nsCalAccess attribute	208	nsClassname attribute	237
nsCalAccessDomain attribute	209	nsConfigRoot attribute	235
nsCalAdmd attribute	210	nscreator attribute	234
nsCalDefaultNoteReminder attribute	211	nsDefaultAcceptLanguage attribute	238
nsCalDefaultReminder attribute	212	nsDefaultMaxDeptSize attribute	239
nsCalDefaultTaskReminder attribute	213	nsDefaultObjectClass attribute	240
nsCalDisplayPrefs attribute	214	nsDeleteClassName attribute	241
nsCalFlags attribute	216	nsDirectoryInfoRef attribute	242
nsCalHost attribute	217	nsDirectoryURL attribute	243
nsCalLanguageId attribute	218	nsDisplayName attribute	244
nsCalNodeAlias attribute	219	nsErrorLog attribute	245
nsCalNotifMechanism attribute	220	nsExecRefr attribute	249
nsCalOperatingPrefs attribute	221	nsExpirationDate attribute	250
nsCalOrgUnit2 attribute	222	nsflags attribute	251
nsCalOrgUnit3 attribute	223	nsGroupRDNComponent attribute	252

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

nsHardwarePlatform attribute	253	nsmsgallowbarelf attribute	349
nsHelpRef attribute	254	nsmsgallowbdat attribute	350
nsHostLocation attribute	255	nsmsgallowehlo attribute	351
nsIndexType attribute	256	nsmsgallowetrn attribute	352
nsInstalledLocation attribute	257	nsmsgallowexpn attribute	353
nsJarFilename attribute	259	nsmsgallowhelp attribute	354
nsKeyfile attribute	260	nsmsgallowonex attribute	355
nsLdapSchemaVersion attribute	258	nsmsgallowsizes attribute	356
nsLicensedFor attribute	261	nsmsgallowverb attribute	357
nsLicenseEndTime attribute	262	nsmsgallowwrfy attribute	358
nsLicenseStartTime attribute	263	nsmsgaltqueues attribute	359
nsLIData attribute	264	nsmsgalwaysqueue attribute	360
nsLIElementType attribute	265	nsmsgauthcachesize attribute	361
nsLIPrefs attribute	266	nsmsgauthcachettl attribute	362
nsLIProfileName attribute	267	nsmsgauthmaildomain attribute	363
nsLIPtrURL attribute	268	nsmsgbanner attribute	364
nsLIServerType attribute	269	nsmsgbinarypath attribute	365
nsLIVersion attribute	270	nsmsgbuffersize attribute	366
nsLogSuppress attribute	271	nsmsgcheckdeferredqueue attribute	367
nsMatchingRule attribute	340	nsmsgclearcontrolinterval attribute	368
nsMaxDepts attribute	338	nsmsgcollectiondeltatime attribute	370
nsMaxUsers attribute	339	nsmsgconfigversion attribute	371
nsmsgAccountURL attribute	344	nsmsgcontact attribute	372
nsmsgAddDeliveredTo attribute	345	nsmsgcounterdeltatime attribute	373
nsmsgAdmins attribute	346	nsmsgdefaultacl attribute	374
nsmsgAlias attribute	347	nsmsgdefaultdomain attribute	375
nsmsgAllowAnonymousLogin attribute	348	nsmsgdefaultecho attribute	376

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

nsmsgdefaultgid attribute 377	nsmsgenveloperewritemethod attribute 402
nsmsgdefaultmailboxquota attribute 378	nsmsgexclusive attribute 403
nsmsgdefaultoverquota attribute 379	nsmsgexpirestart attribute 404
nsmsgdefaultpartition attribute 380	nsmsgexpirytime attribute 405
nsmsgdefaultreply attribute 381	nsmsgexternalmxserverip attribute 406
nsmsgdefaultuid attribute 382	nsmsgfallbacksearchmethod attribute 407
nsmsgdefaultvacation attribute 383	nsmsgfilemode attribute 408
nsmsgdeferredperiod attribute 384	nsmsgfilterurl attribute 409
nsmsgdescription attribute 385	nsmsgflushinterval attribute 410
nsmsgDisallowAccessl attribute 386	nsmsgfolderpattern attribute 411
nsmsgdiskflushinterval attribute 387	nsmsgfolders attribute 412
nsmsgdnsresolvedclient attribute 388	nsmsgfolderurl attribute 414
nsmsgdoauth attribute 389	nsmsgforeignpercentaddr attribute 415
nsmsgdocanonicalize attribute 390	nsmsgformsigkey attribute 416
nsmsgdoclientdnslookup attribute 391	nsmsghidehostname attribute 417
nsmsgdodsn attribute 392	nsmsghopcountexceedactions attribute 418
nsmsgdoetrn attribute 393	nsmsghostoncommandline attribute 419
nsmsgdomainallowed attribute 394	nsmsghostrewrites attribute 420
nsmsgdomainlangtable attribute 395	nsmsgidletimeout attribute 422
nsmsgdomainname attribute 397	nsmsginstalledlanguages attribute 423
nsmsgdomainnotallowed attribute 396	nsmsginternalmxserverip attribute 421
nsmsgdorewritefromusingauth attribute 398	nsmsgldapbasedn attribute 424
nsmsgdorewritesenderusingauth attribute 399	nsmsgldapbindcred attribute 425
nsmsgenable attribute 400	nsmsgldapbinddn attribute 426
nsmsgenablesslport attribute 401	

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

nsmsgldaphost attribute 427	attribute 451
nsmsgldapmemcache attribute 428	nsmsgmaxcputime attribute 452
nsmsgldapmemcachesize attribute 429	nsmsgmaxerrorobjectsize attribute 453
nsmsgldapmemcachetl attribute 430	nsmsgmaxheaderlines attribute 457
nsmsgldappoolsize attribute 431	nsmsgmaxlogfiles attribute 454
nsmsgldapport attribute 432	nsmsgmaxlogfilesize attribute 455
nsmsgldapusessl attribute 433	nsmsgmaxlogfilesize attribute 455
nsmsgldaputilconfig attribute 434	nsmsgmaxlogsize attribute 456
nsmsglistenaddr attribute 435	nsmsgmaxmessagesize attribute 458
nsmsglistenq attribute 436	nsmsgmaxmtahops attribute 459
nsmsglisturl attribute 437	nsmsgmaxqueuetime attribute 460
nsmsglocaldefaultmaxruncount attribute 438	nsmsgmaxruncount attribute 461
nsmsglocaldefaultminruncount attribute 439	nsmsgmaxruncountdeferred attribute 462
nsmsglocalmaildomains attribute 440	nsmsgmaxscriptsizes attribute 463
nsmsglocation attribute 441	nsmsgmaxsessions attribute 464
nsmsglog attribute 442	nsmsgmaxstateobjectsize attribute 465
nsmsglogdir attribute 443	nsmsgmessagecount attribute 467
nsmsgloglevel attribute 444	nsmsgmessagedays attribute 468
nsmsglogtype attribute 445	nsmsgmessagehostname attribute 469
nsmsgmaildeliveryprogram attribute 446	nsmsgmessagesize attribute 470
nsmsgmasterhost attribute 447	nsmsgmessagesizedays attribute 471
nsmsgmasterport attribute 448	nsmsgminfreediskspace attribute 472
nsmsgmaxbadcommands attribute 449	nsmsgminruncount attribute 473
nsmsgmaxbranches attribute 450	nsmsgmsgalarmdescription attribute 474
nsmsgmaxcontrolrecipients	nsmsgmsgalarmnoticehost attribute 475

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

[nsmmsgsgalarmnoticeport attribute 476](#)
[nsmmsgsgalarmnoticercpt attribute 477](#)
[nsmmsgsgalarmnoticesender attribute 478](#)
[nsmmsgsgalarmnoticetemplate attribute 479](#)
[nsmmsgsgalarmstatinterval attribute 480](#)
[nsmmsgsgalarmthreshold attribute 481](#)
[nsmmsgsgalarmthresholddirection attribute 482](#)
[nsmmsgsgalarmwarninginterval attribute 483](#)
[nsmmsgmtaid attribute 484](#)
[nsmmsgmtaname attribute 485](#)
[nsmmsgneedsender attribute 486](#)
[nsmmsgnegativehostattr attribute 487](#)
[nsmmsgnestedgroups attribute 488](#)
[nsmmsgnetworkdefaultmaxruncount attribute 489](#)
[nsmmsgnetworkdefaultminruncount attribute 490](#)
[nsmmsgnewsrefix attribute 492](#)
[nsmmsgnewsspool attribute 493](#)
[nsmmsgnewuserforms attribute 491](#)
[nsmmsgntaccount attribute 495](#)
[nsmmsgntpassword attribute 496](#)

[nsmmsgntrunoptn attribute 494](#)
[nsmmsgnumdays attribute 497](#)
[nsmmsgnummessages attribute 498](#)
[nsmmsgnumprocesses attribute 499](#)
[nsmmsgnumslaves attribute 500](#)
[nsmmsgorganization attribute 501](#)
[nsmmsgorgname attribute 502](#)
[nsmmsgorgname attriubute 502](#)
[nsmmsgpartition attribute 503](#)
[nsmmsgpath attribute 504](#)
[nsmmsgplaintextloginpause attribute 505](#)
[nsmmsgplaintextmncipher attribute 506](#)
[nsmmsgpopminpoll attribute 508](#)
[nsmmsgport attribute 507](#)
[nsmmsgpositivehostattr attribute 509](#)
[nsmmsgquotaexceededaactions attribute 510](#)
[nsmmsgquotaexceededmsg attribute 511](#)
[nsmmsgquotaexceededmsginterval attribute 512](#)
[nsmmsgquotagraceperiod attribute 513](#)
[nsmmsgquotawarn attribute 514](#)
[nsmmsgreadtimeout attribute 515](#)
[nsmmsgrenotifyinterval attribute 529](#)
[nsmmsgrequirecrlf attribute 530](#)
[nsmmsgreserved0 attribute 516](#)
[nsmmsgreserved1 attribute 517](#)
[nsmmsgreserved2 attribute 518](#)

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

nsmsgreserved3 attribute	519	nsmsgtimeoutrcpt attribute	549
nsmsgreserved4 attribute	520	nsmsgtimeoutrset attribute	550
nsmsgreserved5 attribute	521	nsmsgumask attribute	551
nsmsgreserved6 attribute	522	nsmsgunknownacctsaactions attribute	552
nsmsgreserved7 attribute	523	nsmsgUseMX attribute	553
nsmsgreserved8 attribute	524	nsmsgusemx attribute	553
nsmsgreserved9 attribute	525	nsmsgVerifyRcpts attribute	554, 555
nsmsgrewritetocc attribute	526	nsmsgVersion attribute	555
nsmsgrollovertime attribute	527	nsnewsACL attribute	558
nsmsgroutingattribute attribute	528	nsNickname attribute	559
nsmsggroutstripimapfolders attribute	531	nsNumDepts attribute	560
nsmsgshellpath attribute	533	nsNumDomains attribute	561
nsmsgsmtprewritestyle attribute	534	nsNumUsers attribute	562
nsmsgsslpaswdfilere attribute	535	nsNYR attribute	563
nsmsgsslsport attribute	536	nsOsVersion attribute	564
nsmsgsslusessl attribute	537	nsPidLog attribute	565
nsmsgsslusesslrelay attribute	538	nsPreference attribute	567
nsmsgstripcr attribute	540	nsprettyname attribute	566
nsmsgsystemmaildir attribute	539	nsProductName attribute	568
nsmsgtimeoutcommand attribute	541	nsProductVersion attribute	569
nsmsgtimeoutdata attribute	542	nsRecord attribute	570
nsmsgtimeoutdatadot attribute	543	nsRevisionNumber attribute	571
nsmsgtimeoutdatasend attribute	544	nsSearchFilter attribute	572
nsmsgtimeoutgreet attribute	545	nsSerialNumber attribute	573
nsmsgtimeouthelo attribute	546	nsServerAddress attribute	574
nsmsgtimeoutmail attribute	547	nsServerCreationClassname attribute	575
nsmsgtimeoutquit attribute	548		

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

nsServerID attribute 576
 nsServerMigrationClassname
 attribute 577
 nsServerPort attribute 578
 nsServerSecurity attribute 579
 nsslapd-backend attribute 597
 nsslapd-plugindescription attribute 598
 nsslapd-pluginenabled attribute 599
 nsslapd-pluginid attribute 600
 nsslapd-plugininitfunc attribute 601
 nsslapd-pluginpath attribute 602
 nsslapd-plugintype attribute 603
 nsslapd-pluginvendor attribute 604
 nsslapd-pluginversion attribute 605
 nsSNMPContact attribute 580
 nsSNMPDescription attribute 581
 nsSNMPEnabled attribute 582
 nsSNMPLocation attribute 583
 nsSNMPMasterHost attribute 584
 nsSNMPMasterPort attribute 585
 nsSNMPOrganization attribute 586
 nsSSL2 attribute 587
 nsSSL2Ciphers attribute 588, 590
 nsSSL3 attribute 589
 nsSSL3SessionTimeout attribute 591
 nsSSLAactivation attribute 592
 nsSSLClientAuth attribute 593
 nsSSLPersonalitySSL attribute 594

nsSSLSessionTimeout attribute 595
 nsSSLToken attribute 596
 nsSuiteSpotUser attribute 606
 nsSystemIndex attribute 607
 nsTaskLabel attribute 608
 nsUniqueAttribute attribute 609
 nsUserIDFormat attribute 610
 nsUserRDNComponent attribute 611
 nsVendor attribute 615
 nsViewConfiguration attribute 612
 nsWellKnownJarFiles attribute 613
 nswmExtendedPrefs attribute 614
 ntGroupAttributes attribute 616
 ntGroupCreateNewGroup
 attribute 617
 ntGroupDeleteGroup attribute 618
 ntGroupDomainId attribute 619
 ntGroupId attribute 620
 ntGroupType attribute 621
 ntUserAcctExpires attribute 622
 ntUserAuthFlags attribute 623
 ntUserBadPwCount attribute 624
 ntUserCodePage attribute 625
 ntUserComment attribute 626
 ntUserCountryCode attribute 627
 ntUserCreateNewAccount
 attribute 628
 ntUserDeleteAccount attribute 629

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

[ntUserDomainId attribute](#) 630
[ntUserFlags attribute](#) 631
[ntUserHomeDir attribute](#) 632
[ntUserHomeDirDrive attribute](#) 633
[ntUserLastLogoff attribute](#) 634
[ntUserLastLogon attribute](#) 635
[ntUserLogonHours attribute](#) 636
[ntUserLogonServer attribute](#) 637
[ntUserMaxStorage attribute](#) 638, 639
[ntUserParms attribute](#) 640
[ntUserPasswordExpired attribute](#) 641
[ntUserPrimaryGroupId attribute](#) 642
[ntUserPriv attribute](#) 643
[ntUserProfile attribute](#) 644
[ntUserScriptPath attribute](#) 645
[ntUserUniqueld attribute](#) 646
[ntUserUnitsPerWeek attribute](#) 647
[ntUserUsrComment attribute](#) 648
[ntUserWorkstations attribute](#) 649

O

[o attribute](#) 651
[objectClass attribute](#) 652
[objectClasses attribute](#) 653
[obsoletedByDocument attribute](#) 654
[obsoletesDocument attribute](#) 655
[oid attribute](#) 656

[oncRpcNumber attribute](#) 657
[organizationalStatus attribute](#) 658
[organizationalUnitName attribute](#), [See ou attribute](#)
[organizationName attribute](#), [See o attribute](#)
[otherMailbox attribute](#) 659
[ou attribute](#) 660
[owner attribute](#) 661

P

[pager attribute](#) 663
[pagerTelephoneNumber attribute](#), [See pager attribute](#)
[passwordAllowChangeTime attribute](#) 664
[passwordChange attribute](#) 665
[passwordCheckSyntax attribute](#) 666
[passwordExp attribute](#) 667
[passwordExpirationTime attribute](#) 668
[passwordExpWarned attribute](#) 669
[passwordHistory attribute](#) 670
[passwordInHistory attribute](#) 671
[passwordKeepHistory attribute](#) 672
[passwordLockout attribute](#) 673
[passwordLockoutDuration attribute](#) 674
[passwordMaxAge attribute](#) 675

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

[passwordMaxFailure attribute 676](#)
[passwordMinAge attribute 677](#)
[passwordMinLength attribute 678](#)
[passwordMustChange attribute 679](#)
[passwordResetDuration attribute 680](#)
[passwordResetFailureDuration attribute 681](#)
[passwordRetryCount attribute 682](#)
[passwordStorageScheme attribute 683](#)
[passwordUnlock attribute 684](#)
[passwordWarning attribute 685](#)
[personalSignature attribute 686](#)
[personalTitle attribute 687](#)
[photo attribute 688](#)
[physicalDeliveryOfficeName attribute 689](#)
[pipcompassservers attribute 690](#)
[pipformat attribute 691](#)
[pipfrequency attribute 692](#)
[pipgroup attribute 693](#)
[piphour attribute 694](#)
[pipidstcount attribute 695](#)
[pipirlist attribute 696](#)
[pipiroption attribute 697](#)
[piplastcount attribute 698](#)
[pipmaxhits attribute 699](#)
[pipmedium attribute 700](#)
[pipnotify attribute 701](#)

[pipprivilege attribute 702](#)
[pipppw attribute 703](#)
[pipreservedces1 attribute 704](#)
[pipreservedces2 attribute 705](#)
[pipreservedces3 attribute 706](#)
[pipreservedcis1 attribute 707](#)
[pipreservedcis2 attribute 708](#)
[pipreservedcis3 attribute 709](#)
[pipreservedcis5 attribute 711](#)
[pipreservedcis6 attribute 712](#)
[pipresultset attribute 713](#)
[pipsortorder attribute 714](#)
[pipstatus attribute 715](#)
[pipstcategory attribute 716](#)
[pipstformat attribute 717](#)
[pipstfrequency attribute 718](#)
[pipsthour attribute 719](#)
[pipstid attribute 720](#)
[pipstinterest attribute 721](#)
[pipstirlist attribute 722](#)
[pipstiroption attribute 723](#)
[pipstlastcount attribute 724](#)
[pipstmaxhits attribute 725](#)
[pipstmedium attribute 726](#)
[pipstname attribute 727](#)
[pipstprivacy attribute 728](#)
[pipstquery attribute 729](#)

Attribute Index

A B C D E F G H I J K L M N O P Q R S T U V W X

pipstresultset attribute 730
 pipstsortorder attribute 731
 pipststatus attribute 732
 pipsttaxonomy attribute 733
 pipsttimestamp attribute 734
 pipsttotalcount attribute 735
 pipsttotalrun attribute 736
 pipsttype attribute 737
 piptimestamp attribute 738
 piptotalCount attribute 739
 piptotalrun attribute 740
 pipuid attribute 741
 pipuniqueid attribute 742
 pipusertype attribute 743
 postalAddress attribute 744
 postalCode attribute 745
 postOfficeBox attribute 746
 preferredDeliveryMethod attribute 747
 preferredLanguage attribute 748
 presentationAddress attribute 749
 protocolInformation attribute 750

R

reciprocalNamingLink attribute 753
 ref attribute 754
 registeredAddress attribute 755
 replicaAbandonedChanges
 attribute 756

replicaBeginOrc attribute 757
 replicaBindDn attribute 758
 replicaBindMethod attribute 759
 replicaCFUpdated attribute 760
 replicaCredentials attribute 761
 replicaEntryFilter attribute 762
 replicaHost attribute 763
 replicaNickName attribute 764
 replicaPort attribute 765
 replicaRoot attribute 766
 replicatedAttributeList attribute 767
 replicaUpdateFailedAt attribute 768
 replicaUpdateReplayed attribute 769
 replicaUpdateSchedule attribute 770
 replicaUseSSL attribute 771
 retryCountResetTime attribute 772
 roleOccupant attribute 773
 roomNumber attribute 774

S

searchGuide attribute 776
 secretary attribute 777
 seeAlso attribute 778
 serialNumber attribute 779
 serverHostName attribute 780
 serverProductName attribute 781
 serverRoot attribute 782

A B C D E F G H I J K L M N O P Q R S T U V W X

Attribute Index

serverVersionNumber attribute 783
 shadowExpire attribute 784
 shadowFlag attribute 785
 shadowInactive attribute 786
 shadowLastChange attribute 787
 shadowMax attribute 788
 shadowMin attribute 789
 shadowWarning attribute 790
 singleLevelQuality attribute 791
 smsgMaxRunCount 461
 smsgmaxthreads attribute 466
 smsgsitelanguage attribute 532
 sn attribute 792
 stateOrProvinceName attribute, See st attribute
 st attribute 793
 streetAddress attribute, See street attribute
 street attribute 794
 subject attribute 795
 subschemaSubentry attribute 796
 subtreeacil attribute 797
 subtreeMaximumQuality attribute 798
 subtreeMinimumQuality attribute 799
 supportedApplicationContext attribute 801
 supportedControl attribute 802
 supportedExtension attribute 803

supportedLDAPVersion attribute 804
 supportedSASLMechanisms attribute 805
 surname attribute, See sn attribute

T

targetDn attribute 807
 telephoneNumber attribute 808
 teletexTerminalIdentifier attribute 809
 telexNumber attribute 810
 textEncodedORAddress attribute 811
 timeToLive attribute, See ttl attribute
 title attribute 812
 ttl attribute 813

U

uid attribute 815
 uidNumber attribute 816
 uniqueIdentifier attribute 817
 uniqueMember attribute 818
 updatedByDocument attribute 819
 updatesDocument attribute 820
 url attribute 821
 userCertificate attribute 822
 userClass attribute 823
 userId attribute, See uid attribute
 userPassword attribute 824

Attribute Index**A B C D E F G H I J K L M N O P Q R S T U V W X**

[userPKCS12](#) 825

[userSMIMECertificate](#) attribute 826

V

[vacationEndDate](#) attribute 828

[vacationStartDate](#) attribute 829

[vlvBase](#) attribute 830

[vlvEnabled](#) attribute 831

[vlvFilter](#) attribute 832

[vlvScope](#) attribute 833, 835

[vlvSort](#) attribute 834

X

[x121Address](#) attribute 838

[x500UniqueIdentifier](#) attribute 839

Administration Server Object Classes

nsAdminConfig

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores configuration parameters for Netscape Administration Server.

Superior Class

nsConfig

OID

2.16.840.1.113730.3.2.47

Required Attribute	Description
objectClass	the objects for this object class
Allowed Attributes	Description
nsAdminAccessAddresses	IP addresses that can access the admin server
nsAdminAccessHosts	hosts that can access the admin server
nsAdminCacheLifetime	lifetime for user / task information cache
nsAdminCGIWaitPid	reserved
nsAdminEnableDSGW	enable and disable DSGW
nsAdminEnableEndUser	enable and disable end user access
nsAdminOneACLDir	reserved
nsAdminUsers	uid for the admin server

nsAdminConsoleUser

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores user preferences for the administration server console.

Superior Class

top

OID

2.16.840.1.113730.3.2.52

Required Attribute

[objectClass](#)

cn (commonName)[belongs?]

Description

the objects for this object class

Allowed Attributes

[nsPreference](#)

Description

user preference information for Netscape console

nsAdminDomain

Supported by

Netscape Administration Server 3.x, 4.0

Definition

The container for each administration domain, usually a branch point for a set of host machines at a location or in a department at a location.

Superior Class

organizationalUnit

OID

2.16.840.1.113730.3.2.56

Required Attribute

[objectClass](#)

Description

the objects for this object class

Allowed Attributes

[nsAdminDomainName](#)

Description

Specifies the grouping of host machines in the admin domain.

nsAdminGlobalParameters

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores global parameter settings for the Netscape Administration Server. This information is stored in the domain level of *o=netscapeRoot*.

Superior Class

top

OID

2.16.840.1.113730.3.2.49

Required Attribute	Description
objectClass	the objects for this object class
cn (commonName)	

Allowed Attributes	Description
nsAdminEndUserHTMLIndex	enable and disable HTML index access for the end user
nsNickname[belongs?]	nickname for the product

nsAdminGroup

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Identifies the admin group containing Netscape products. Serves as a container for a group of Netscape products.

Superior Class

top

OID

2.16.840.1.113730.3.2.58

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[description](#)

[nsAdminGroupName](#)

name of the root group

[nsConfigRoot](#)

location of the product installation

[nsAdminSIEDN](#)

administration URL location within the admin group for a machine

nsAdminObject

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Contains related java information for an admin object class.

Superior Class

top

OID

2.16.840.1.113730.3.2.65

Required Attribute	Description
objectClass	the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes	Description
--------------------	-------------

nsClassname	used by the Netscape Console to load plugin information
-----------------------------	---

nsJarFilename	reserved
-------------------------------	----------

nsAdminResourceEditorExtension

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores information about Netscape Administration Server's resource UI extension and information about related resource editor plugins.

Superior Class

nsAdminObject

OID

2.16.840.1.113730.3.2.48

Required Attribute	Description
objectClass	the objects for this object class
cn (commonName)	

Allowed Attributes	Description
nsAdminAccountInfo	reserved
nsDeleteClassName	used by console to delete object class

nsAdminServer

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Object class for Netscape Admin Server instance.

Superior Class

top

OID

2.16.840.1.113730.3.2.46

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

[nsServerID](#)

server identifier

Allowed Attributes**Description**

[description](#)

nsApplication

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Identifies the Netscape application.

Superior Class

top

OID

2.16.840.1.113730.3.2.59

Required Attribute	Description
objectClass	the objects for this object class
cn (commonName)	

Allowed Attributes	Description
description	
installationTimeStamp	date and time in zulu format when the Netscape server was installed
nsBuildNumber	internal build version number
nsBuildSecurity	security level of the build version
nsExpirationDate	expiration date for the product
nsInstalledLocation	location of the product installation
nsLdapSchemaVersion	schema version for an individual application
nsNickname	nickname for the Netscape product.
nsProductName	official Netscape product name
nsProductVersion	version number for the installed Netscape product

Allowed Attributes	Description
nsRevisionNumber	internal build revision number of the Netscape product
nsSerialNumber	serial number of the product
nsServerCreationClassname	java API-specific value
nsServerMigrationClassname	java API
nsVendor	product vendor

nsConfig

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Contains basic configuration information for a Netscape product.

Superior Class

top

OID

2.16.840.1.113730.3.2.66

Required Attribute	Description
--------------------	-------------

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes	Description
--------------------	-------------

[description](#)

[nsAccessLog](#)

location of the access log

[nsDefaultMaxDeptSize](#)

default size of department managed by delgated administrator

[nsErrorLog](#)

location of the error log fil

[nsPIDLog](#)

location of the PID log file

[nsServerAddress](#)

IP address of the server

[nsServerPort](#)

port number of the server

[nsServerSecurity](#)

used to enable and disable server security.

[nsSuiteSpotUser](#)

UNIX user account for servers installed in the server root

nsCustomView

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores custom view information for the administration server console.

Superior Class

[nsAdminObject?]

OID

2.16.840.1.113730.3.2.53

Required Attribute

[objectClass](#)

Description

the objects for this object class

Allowed Attributes

[nsDisplayName](#)

Description

display name for the custom view

nsDefaultObjectClasses

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Describes the default object class for creating a new object in the directory server. Used only by the console for the administration server.

Superior Class

top

OID

2.16.840.1.113730.3.2.51

Required Attribute**Description**

[objectClass](#)

the objects for this object class

cn (commonName)[belongs?]

Allowed Attributes**Description**

[nsDefaultObjectClass](#)

nsDirectoryInfo

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Contains information used by Netscape products to determine the user directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.67

Required Attribute	Description
objectClass	the objects for this object class
cn (commonName)	

Allowed Attributes	Description
nsBindDN	bind DN for the user and group directory server
nsBindPassword	bind password for the user and group directory server
nsDirectoryInfoRef	DN of the shared user and group directory location
nsDirectoryURL	LDAP URL of the user and group directory location

nsEncryptionConfig

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Contains configuration parameters for encryption.

Superior Class

top

OID

2.16.840.1.113730.3.2.60

Required Attribute	Description
objectClass	the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes	Description
--------------------	-------------

nsCertfile	certificate database used by the SSL-enabled server
nsKeyfile	key database used by the SSL-enabled server
nsSSL2	used to enable and disable SSL2 ciphers
nsSSL2Ciphers	SSL2-supported ciphers
nsSSL3	Used to enable and disable SSL3 ciphers
nsSSL3Ciphers	SSL3-supported ciphers
nsSSL3SessionTimeout	SSL v3 cipher session timeout value
nsSSLClientAuth	used by other servers to enable and disable certificate-based client authentication
nsSSLSessionTimeout	SSL2 cipher session timeout value

nsEncryptionModule

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Contains information about the encryption module.

Superior Class

top

OID

2.16.840.1.113730.3.2.61

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[nsSSLActivation](#)

used to enable a cipher family

[nsSSLPersonalitySSL](#)

certificate name

[nsSSLToken](#)

token name for the security modules

nsGlobalParameters

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores global parameter settings for Netscape products in a domain.

Superior Class

top

OID

2.16.840.1.113730.3.2.50

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[nsUniqueAttribute](#)

determines the uid format of new user objects created in the Netscape console

[nsUserIDFormat](#)

determines the uid format of new user objects created in the Netscape console

[nsUserRDNComponent](#)

default RDN for new user object

[nsGroupRDNComponent](#)

default RDN for a new group object

[nsNYR](#)

used to indicates LiveLead function

[nsWellKnownJarfiles](#)

reserved

nsHost

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Represents a physical machine (node).

Superior Class

top

OID

2.16.840.1.113730.3.2.57

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[description](#)

[l \(localityName\)](#)

[nsHardwarePlatform](#)

hardware platform for a host machine

[nsIndexType](#)

index type

[nsOSVersion](#)

operating system version of the host machine

[nsHostLocation](#)

physical location of the host machine

nsLegacyAdminGroup

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Represents root information about a legacy Netscape server product (version 3.x and earlier). nsLegacyAdminGroup is the container branch point for the legacy product.

Superior Class

nsAdminGroup

OID

2.16.840.1.113730.3.2.68

Required Attribute	Description
objectClass	the objects for this object class

Allowed Attributes	Description
adminUrl	URL to the administration server used to manage a Netscape server

nsLegacyAdminServer

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Represents the legacy Netscape administration server.

Superior Class

nsAdminServer

OID

2.16.840.1.113730.3.2.70

Required Attribute

[objectClass](#)

Description

the objects for this object class

nsLegacyApplication

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Represents the legacy Netscape application (version 3.x and earlier).

Superior Class

nsApplication

OID

2.16.840.1.113730.3.2.69

Required Attribute

[objectClass](#)

Description

the objects for this object class

nsLegacyServer

Supported by

Netscape Administration Server 3.x, 4.0

Definition

The class used to represent other Netscape legacy servers.

Superior Class

nestcapeServer

OID

2.16.840.1.113730.3.2.71

Required Attribute**Description**

[objectClass](#)

the objects for this object class

Allowed Attributes**Description**

[nsServerID](#)

[url](#)

nsResourceRef

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Branching container for Netscape topology information

Superior Class

top

OID

2.16.840.1.113730.3.2.62

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[seeAlso](#)

Identifies another entry that may contain related information.

nsTask

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Represents task information for Netscape products.

Superior Class

top

OID

2.16.840.1.113730.3.2.63

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[nsExecRef](#)

CGI that represents the task

[nsHelpRef](#)

help URL for the task

[nsLogSuppress](#)

used to suppress logging while task is being executed

[nsTaskLabel](#)

label for the program to reference a task

nsTaskGroup

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Contains a set of nsTask objects.

Superior Class

top

OID

2.16.840.1.113730.3.2.64

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[nsTaskLabel](#)

label for the program to reference a task

nsTopologyCustomView

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Stores the default Topology view information in the administration server console.

Superior Class

nsCustomView

OID

2.16.840.1.113730.3.2.54

Required Attribute**Description**

[objectClass](#)

the objects for this object class

cn (commonName)[belongs?]

Allowed Attributes**Description**

[nsViewConfiguration](#)

default custom view configuration information

nsTopologyPlugin

Supported by

Netscape Administration Server 3.x, 4.0

Definition

Specifies topology plugin information for the administration server console.

Superior Class

nsAdminObject

OID

2.16.840.1.113730.3.2.55

Required Attribute**Description**

[objectClass](#)

the objects for this object class

[cn \(commonName\)](#)

Allowed Attributes**Description**

[?]

Calendar Server Object Classes

netscapeCalendarServer

Supported by

Netscape Calendar Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Used to store information about the Netscape Calendar Server in the directory. This object class is a Netscape extension to the LDAP schema.

Superior Class

top

OID

2.16.840.1.113730.3.2.17

Required Attribute	Description
objectClass	Specifies the objects for this object class.

nsCalAdmin

Supported by

Netscape Calendar Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used by the Netscape Calendar Server to store information about the calendar server administrator in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.15

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
c (countryName)	Country name (supported by DS 4.0 only).
cn (commonName)	Administrator's common name.
fax (facsimileTelephoneNumber)	Administrator's fax number.
gidNumber	Same as generation Qualifier in the Lightweight Internet Person Schema (LIPS).
givenName	Administrator's given, or first name.
initials	Administrator's initials.
mail	Administrator's email address (supported by DS 4.0 only).
nsCalAccess	Defines whether the administrator should be allowed or denied access to the calendar server.

Allowed Attributes	Description
nsCalAccessDomain	Internet domain or IP address from which the calendar administrator is allowed to access calendar data. This attribute is reserved for future use.
nsCalAdmd	X.400 Administration Management Domain Name of the administrator.
nsCalFlags	Reserved for future use.
nsCalHost	Hostname, or IP address, of the computer hosting the calendar administrator's information.
nsCalLanguageId	Language in which the administrator prefers to receive email.
nsCalNodeAlias	Mnemonic name of the node on which the administrator's data is stored.
nsCalOrgUnit2	X.400 Organization Unit 2 (OU2).
nsCalOrgUnit3	X.400 Organization Unit 3 (OU3).
nsCalOrgUnit4	X.400 Organization Unit 4 (OU4).
nsCalPasswordRequired	Specifies whether a calendar administrator must supply a password to access calendar data.
nsCalPrmd	X.400 Private Management Domain Name of the administrator.
nsCalServerVersion	Version number of the calendar server hosting the calendar administrator's data.
nsCalSysopCanWritePassword	Specifies whether the calendar server administrator can overwrite user passwords.
nsCalXItemId	Identification number of the node on which the calendar administrator's data is stored.
o (organizationName)	The organization name (supported by DS 4.0 only).
ou (organizationUnitName)	Organizational unit to which the administrator belongs.

Allowed Attributes	Description
<code>nsCalAccessDomain</code>	Internet domain or IP address from which the calendar administrator is allowed to access calendar data. This attribute is reserved for future use.
<code>nsCalAdmd</code>	X.400 Administration Management Domain Name of the administrator.
<code>nsCalFlags</code>	Reserved for future use.
<code>nsCalHost</code>	Hostname, or IP address, of the computer hosting the calendar administrator's information.
<code>nsCalLanguageId</code>	Language in which the administrator prefers to receive email.
<code>nsCalNodeAlias</code>	Mnemonic name of the node on which the administrator's data is stored.
<code>nsCalOrgUnit2</code>	X.400 Organization Unit 2 (OU2).
<code>nsCalOrgUnit3</code>	X.400 Organization Unit 3 (OU3).
<code>nsCalOrgUnit4</code>	X.400 Organization Unit 4 (OU4).
<code>nsCalPasswordRequired</code>	Specifies whether a calendar administrator must supply a password to access calendar data.
<code>nsCalPrmd</code>	X.400 Private Management Domain Name of the administrator.
<code>nsCalServerVersion</code>	Version number of the calendar server hosting the calendar administrator's data.
<code>nsCalSysopCanWritePassword</code>	Specifies whether the calendar server administrator can overwrite user passwords.
<code>nsCalXItemId</code>	Identification number of the node on which the calendar administrator's data is stored.
<code>o (organizationName)</code>	The organization name (supported by DS 4.0 only).
<code>ou (organizationUnitName)</code>	Organizational unit to which the administrator belongs.

Allowed Attributes	Description
postalAddress	Administrator's postal address.
sn (surName)	Administrator's surname or last name.
telephoneNumber	Administrator's telephone number.
userPassword	Administrator's password.

nsCalResource

Supported by

Netscape Calendar Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used by the Netscape Calendar Server to store information about calendar resources, such as conference rooms, in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.16

Required Attributes	Description
objectClass	Reserved.
Allowed Attributes	Description
cn (commonName)	Resource's common name.
fax (facsimileTelephoneNumber)	Fax number associated with the resource.
givenName	Given, or first name (supported by DS 4.0 only)
mail	Resource's email address (supported by DS 4.0 only).
nsCalAccess	Defines whether the resource should be allowed or denied access to the calendar server.
nsCalAccessDomain	Internet domain or IP address from which the calendar resource is allowed to access calendar data. This attribute is reserved for future use.
nsCalDefaultNoteReminder	Type (if any) of note reminder.

Allowed Attributes	Description
nsCalDefaultReminder	Type (if any) of event reminder.
nsCalDefaultTaskReminder	Type (if any) of task reminder.
nsCalDisplayPrefs	Display preferences for the resource.
nsCalFlags	Reserved for future use.
nsCalHost	Hostname, or IP address, of the computer hosting the calendar resource's information.
nsCalLanguageId	Language in which the person responsible for the resource prefers to receive email notification.
nsCalNodeAlias	Mnemonic name of the node on which the resource's data is stored.
nsCalNotifMechanism	Mechanism used to notify event attendees (usually email).
nsCalOperatingPrefs	Operating preferences for the resource. Reserved for future use.
nsCalPasswordRequired	Specifies whether a calendar user must supply a password to access calendar data about this resource.
nsCalRefreshPrefs	Defines whether the resource's preferences should be refreshed and how often.
nsCalResourceCapacity	Capacity of the resource, such as maximum room occupancy.
nsCalResourceNumber	The resource's identification number.
nsCalServerVersion	Version number of the calendar server hosting the calendar resource's data.
nsCalSysopCanWritePassword	Specifies if the calendar server administrator can overwrite the resource's password.
nsCalTimezone	The current timezone in which the resource is located.

Allowed Attributes	Description
nsCalXItemId	Identification number of the node on which the calendar resource's data is stored.
postalAddress	Postal address of the resource.
sn (surName)	The surname or last name (supported by DS 4.0 only)
telephoneNumber	The resource's telephone number.
userPassword	Reserved for future use.

nsCalUser

Supported by

Netscape Calendar Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used by the Netscape Calendar Server to store information about calendar users in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.14

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
c (countryName)	Country name (supported by DS 4.0 only).
employeeNumber	Calendar user's employee number (supported by DS 4.0 only).
gidNumber	Same as generation Qualifier in the Lightweight Internet Person Schema (LIPS).
givenName	Calendar user's given, or first, name (supported by DS 4.0 only).
initials	Calendar user's initials (supported by DS 4.0 only).
mail	Calendar users email address (supported by DS 4.0 only).
nsCalAccess	Defines whether the user should be allowed or denied access to the calendar server.

Allowed Attributes	Description
nsCalAccessDomain	Internet domain or IP address from which the calendar user is allowed to access calendar data. This attribute is reserved for future use.
nsCalAdmd	X.400 Administration Management Domain Name of the user.
nsCalDefaultNoteReminder	Type (if any) of note reminder.
nsCalDefaultReminder	Type (if any) of event reminder.
nsCalDefaultTaskReminder	Type (if any) of task reminder.
nsCalDisplayPrefs	Display preferences for the user.
nsCalFlags	Reserved for future use.
nsCalHost	Hostname, or IP address, of the computer hosting the calendar user's information.
nsCalLanguageId	Language in which the user prefers to receive email.
nsCalNodeAlias	Mnemonic name of the node on which the user's data is stored.
nsCalNotifMechanism	Mechanism used to notify event attendees (usually email).
nsCalOperatingPrefs	Operating preferences for the user. Reserved for future use.
nsCalOrgUnit2	X.400 Organization Unit 2 (OU2).
nsCalOrgUnit3	X.400 Organization Unit 3 (OU3).
nsCalOrgUnit4	X.400 Organization Unit 4 (OU4).
nsCalPasswordRequired	Specifies whether the user must supply a password to access calendar data.
nsCalPrmd	X.400 Private Management Domain Name of the user.

Allowed Attributes	Description
nsCalRefreshPrefs	Defines whether the user's calendar information should be refreshed and how often.
nsCalServerVersion	Version number of the calendar server hosting the calendar user's data.
nsCalSysopCanWritePassword	Specifies if the calendar server administrator can overwrite the user's password.
nsCalTimezone	The user's current timezone.
nsCalXItemId	Identification number of the node on which the calendar user's data is stored.
o (organizationName)	Organization name (supported by DS 4.0 only).
ou (organizationUnitName)	Organization unit name (supported by DS 4.0 only).

Collabra Server Object Classes

netscapeNewsServer

Supported by

Netscape Collabra Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Stores information about the Netscape Collabra Server in the directory.
Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.27

Required Attribute**Description**

[objectClass](#)

Specifies the objects for this object class.

ngInfo

Supported by

Netscape Collabra Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used by the Netscape Collabra Server to store discussion (news) group information

Object classes of this type are stored in a separate subtree under ou=Netscape Servers. The branch point is represented by the ngcomponent=. entry. Thus, if your directory's suffix is o=Airius.com, then all discussion group information is stored in the subtree:

ngcomponent=., o=Airius.com

This subtree and its contents are written to the directory by the Collabra server. The structure of this tree, the format and usage of the nginfo object class, and the format and usage of the nginfo attributes are subject to change without notice.

Superior Class

top

OID

2.16.840.1.113730.3.2.26

Required Attributes	Description
objectClass	Specifies the objects for this object class.
ngcomponent	A single part of the discussion group's name.

Allowed Attributes	Description
description	Text description of the discussion group.
nsAccessLog	Access permissions set for the various Collabra roles.
nscreator	User ID of the discussion group's creator.
nsflags	Reserved for future use.
nsnewsACL	Access control set for the discussion group.
nsPrettyName	The discussion group's name.
subtreeaci	Reserved.

Compass Server Object Classes

netscapeCompassServer

Supported by

Netscape Compass Server

Netscape Directory Server 1.0, 3.x, 4.0.

Object Class Function

Stores information about the Netscape Compass Server in the directory.
Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.19

Required Attribute	Description
objectClass	Reserved.

personalInterestProfile

Supported by

Netscape Compass Server, Netscape Directory Server 1.0, 3.x, 4.0.

Object Class Function

Object class used by the Netscape Compass Server to store personal interest profile information for Compass server users. For more information on personal interest profiles, see the *Netscape Compass Server Administrator's Guide*.

Superior Class

top

OID

2.16.840.1.113730.3.2.20

Required Attributes

Description

[objectClass](#)

Specifies the objects for this object class.

[pipUId](#)

(Required) User ID of the person to whom this profile belongs.

Allowed Attributes

Description

[pipFormat](#)

Format of the free text search profile update sent to the user.

[pipFrequency](#)

Attribute used by the compass server to describe how often a user receives “My Compass” newsletters with free text search updates.

[pipGroup](#)

Undefined.

[pipHour](#)

Hours during the day that the user receives free text search profile updates.

[pipIdStCount](#)

Last unique ID used by the user.

Allowed Attributes	Description
pipIRList	Domains and newsgroups the user wishes to monitor.
pipIROption	Defines whether or not all entries in pipirlist should be updated or excluded from updates.
pipLastCount	Number of matches that occurred during the last update.
pipMaxHits	Maximum number of documents returned for each free text search profile update.
pipMedium	Medium used to send information to the user about updates on free text search profiles.
pipNotify	Undefined.
pipPrivilege	Undefined.
pipPWP	Address of the Personal Web Page (PWP) database.
pipReservedCES1	Reserved for future use.
pipReservedCES2	Reserved for future use.
pipReservedCESs3	Reserved for future use.
pipReservedCIS1	Reserved for future use.
pipReservedCIS2	Reserved for future use.
pipReservedCIS3	Reserved for future use.
pipReservedCIS	Reserved for future use.
pipReservedCIS5	Reserved for future use.
pipReservedCIS6	Reserved for future use.
pipResultSet	List of attributes about which the user wants to receive updates.
pipSortOrder	Sort order of the information in the summary report of the free text search profile update.

Allowed Attributes	Description
pipIRList	Domains and newsgroups the user wishes to monitor.
pipIROption	Defines whether or not all entries in pipirlist should be updated or excluded from updates.
pipLastCount	Number of matches that occurred during the last update.
pipMaxHits	Maximum number of documents returned for each free text search profile update.
pipMedium	Medium used to send information to the user about updates on free text search profiles.
pipNotify	Undefined.
pipPrivilege	Undefined.
pipPWP	Address of the Personal Web Page (PWP) database.
pipReservedCES1	Reserved for future use.
pipReservedCES2	Reserved for future use.
pipReservedCESs3	Reserved for future use.
pipReservedCIS1	Reserved for future use.
pipReservedCIS2	Reserved for future use.
pipReservedCIS3	Reserved for future use.
pipReservedCIS	Reserved for future use.
pipReservedCIS5	Reserved for future use.
pipReservedCIS6	Reserved for future use.
pipResultSet	List of attributes about which the user wants to receive updates.
pipSortOrder	Sort order of the information in the summary report of the free text search profile update.

Allowed Attributes	Description
pipStatus	Defines whether the profile is enabled or disabled.
pipStCategory	Categories or search strings the user is interested in.
pipStFormat	Format of the category search profile update sent to the user.
pipStFrequency	Frequency that the user receives category update alerts.
pipStHour	Hours during the day that the user receives free category profile updates.
pipStId	Unique ID of a search topic included in the profile.
pipStInterest	Describes the importance to the user of each individual search topic. (This attribute is used with Netscape Compass Server Professional only.)
pipStIrList	Domains and newsgroups the user wants to monitor.
pipStIrOption	Defines whether or not all entries in pipstirlist will be updated or excluded from category updates.
pipStLastCount	Number of category matches during the last update.
pipStMaxHits	Maximum number of documents returned for each category search profile update.
pipStMedium	Medium used to send information to the user about updates on category search profiles.
pipStName	Arbitrary name created by the user to describe a search topic.
pipStPrivacy	Defines whether queries of this entry should be allowed or disallowed.
pipStQuery	Undefined.
pipStResultSet	List of categories about which the user wants to receive updates.

Allowed Attributes	Description
pipStSortOrder	Sort order of the information in the summary report of the category search profile update.
pipStStatus	Status of the personal interest profile.
pipStTaxonomy	Taxonomy ID of a search topic.
pipStTimestamp	Date the category search profile was last updated for this user.
pipStTotalCount	Number of category matches to date.
pipStTotalRun	Number of category search updates performed to date.
pipStType	Defines whether a search is a category search or a free text search.
pipTimeStamp	Date the free text search profile was last updated for this user.
pipTotalCount	Number of matches that occurred during all updates to date.
pipTotalRun	Total number of updates to date.
pipUniqueld	Unique ID of the user to whom this profile belongs.
pipUserType	Type of user to whom this profile belongs.

PIPUser

Supported by

Netscape Compass Server, Netscape Directory Server 1.0, 3.x, 4.0

Object Class Function

Object class used by the Netscape Compass Server to contain information about Personal Interest Profile (PIP) users. For more information about PIPs, see the *Netscape Compass Server Administrator's Guide*. Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.22

Required Attributes

objectClass

Description

Specifies the objects for this object class.

Allowed Attributes

pipCompassServers

Reserved for future use.

pipReservedCES1

Reserved for future use.

pipReservedCES2

Reserved for future use.

pipReservedCESs3

Reserved for future use.

pipReservedCIS1

Reserved for future use.

pipReservedCIS2

Reserved for future use.

pipReservedCIS3

Reserved for future use.

pipReservedCIS

Reserved for future use.

pipReservedCIS5

Reserved for future use.

pipReservedCIS6

Reserved for future use.

pipUniqueld

Unique ID of the user.

PIPUserInfo

Supported by

Netscape Compass Server, Netscape Directory Server 1.0, 3.x, 4.0.

Object Class Function

Used by the Netscape Compass Server to contain information about Personal Interest Profile (PIP) users that do not have a user ID. For more information about PIPs, see the *Netscape Compass Server Administrator's Guide*. Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.21

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
cn (commonName)	The user's common name.
description	Freeform description of the user.
mail	Email address of the user.
pipCompassServers	Reserved for future use.
pipUniqueld	Unique ID of the user.
userPassword	The user's password.

Delegated Administrator Object Classes

nsManagedISP

Supported by

Netscape Delegated Administrator 4.0

Netscape Directory Server 4.0

Definition

Stores root information for a deployment of delgated administrator.

Superior Class

top

OID

[...]

Required Attribute	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
nsNumDomains	Number of NDA domains.

nsManagedDomain

Supported by

Netscape Delegated Administrator 4.0

Netscape Directory Server 4.0

Definition

Stores information for a domain managed by delegated administrator.

Superior Class

top

OID

[...]

Required Attribute	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
nsDefaultMaxDeptSize	The default number maximum number of users for a newly created department.
nsMaxDepts	The maximum number of departments that may be created.
nsMaxUsers	The maximum number of user accounts that may be created.
nnsNumDepts	The number of departments in use by NDA.
nsNumUsers	The number of user accounts in use by NDA.
owner	Used internally by NDA for access control. The value is the DN of a user, an LDAP group, or department that may modify this entry.

nsManagedDept

Supported by

Netscape Delegated Administrator 4.0

Netscape Directory Server 4.0

Definition

Stores information for a department in delegated administrator.

Superior Class

groupOfUniqueNames

OID

[...]

Required Attribute	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
nsMaxUsers	The maximum number of user accounts that may be created.
nsNumUsers	The number of user accounts in use by NDA.
owner	Used internally by NDA for access control. The value is the DN of a user, an LDAP group, or department that may modify this entry.

nsManagedPerson

Supported by

Netscape Delegated Administrator 4.0

Netscape Directory Server 4.0

Definition

Stores NDA-specific information for a user.

Superior Class

top

OID

[...]

Required Attribute	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
owner	Used internally by NDA for access control. The value is the DN of a user, an LDAP group, or department that may modify this entry.
nsSearchFilter	Reserved for future development.

Directory Server Object Classes

account

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Reserved.

Superior Class

top

OID

0.9.2342.19200300.100.4.5

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[uid \(userID\)](#)

The account's user ID.

Allowed Attributes**Description**

[description](#)

Text description of the account.

[houseIdentifier](#)

Hostname of the computer on which the account resides.

[l \(localityName\)](#)

Locality in which the account resides.

[o \(organizationName\)](#)

Organization to which the account belongs.

[ou \(organizationUnitName\)](#)

Organizational unit to which the account belongs.

[seeAlso](#)

URL to information relevant to the account.

Included LDAP Object Classes

alias

Supported by

LDAP

Definition

Object class used to point to other entries in the directory tree. Reserved for use by the directory server.

Superior Class

top

OID

2.5.6.1

Required Attributes	Description
objectClass	Specifies the objects for this object class.
aliasedObjectName	Distinguished name of the entry for which this entry is an alias.

applicationEntity

Supported by

LDAP

Definition

Object class used to represent application entities in the directory. An application entity consists of those aspects of an application process pertinent to OSI. Reserved for use by the directory server.

Superior Class

top

OID

2.5.6.12

Required Attributes	Description
objectClass	Specifies the objects for this object class.
presentationAddress	OSI network address.
cn (commonName)	Common name of the entity.

Allowed Attributes	Description
description	Text description of the entity.
l (localityName)	Locality in which the entity resides.
o (organizationName)	Organization to which the entity belongs.
ou (organizationUnitName)	Organizational unit to which the entity belongs.
seeAlso	URL to information relevant to the entity.
supportedApplicationContext	Identifiers of OSI application contexts.

applicationProcess

Supported by

LDAP

Definition

Object class used to define entries representing application processes in the directory (see ISO 7498). This object class was inherited from X.500 Directory Services. Reserved for use by the directory server.

Superior Class

top

OID

2.5.6.11

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Common name of the process.

Allowed Attributes	Description
description	Text description of the process.
l (localityName)	Locality in which the process resides.
ou (organizationUnitName)	Organizational unit to which the process belongs.
seeAlso	URL to information relevant to the process.

cacheObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class that allows an entry to contain the timeToLive (ttl) attribute.

Superior Class

top

OID

1.3.6.1.4.1.250.3.18

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

Allowed Attributes

[ttl \(timeToLive\)](#)

Description

Time, in seconds, that cached information about an entry should be considered valid.

certificationAuthority

Supported by

LDAP

Definition

Object class used to store information about Certificate Authorities (CAs) in the directory. Reserved for use by the directory server.

Superior Class

top

OID

2.5.6.16

Required Attributes

[objectClass](#)

[cACertificate](#)

Description

Specifies the objects for this object class.

Certificate, in binary form, from a certification authority.

Allowed Attributes

[authorityRevocationList](#)

[certificateRevocationList](#)

[crossCertificatePair](#)

Description

List, in binary form, of CA certificates that have been revoked and are no longer considered valid or secure.

List, in binary form, of user certificates that have been revoked.

Used when two CAs certify each other so that they can be trusted.

changeLogEntry

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used by the Netscape Directory Server to represent a change made to its directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.1

Required Attributes

[objectClass](#)

[changeNumber](#)

[changeTime](#)

[changeType](#)

[targetDn](#)

Description

Specifies the objects for this object class.

(Arbitrarily assigned number to the changelog.

The time a change took place.

(Type of change performed on an entry.

Distinguished name of an entry that was added, modified, or deleted on a supplier server.

Allowed Attributes

[changes](#)

Description

Changes made to a directory server.

Allowed Attributes	Description
deleteOldRdn	A flag that defines whether the old Relative Distinguished Name (RDN) of the entry should be retained as a distinguished attribute of the entry, or should be deleted.
filterInfo	Reserved for future use.
netshareHomeURL	New RDN of an entry that is the target of a modRDN or modDN operation.
newSuperior	Name of the entry that becomes the immediate superior of the existing entry, when processing a modDN operation.

cirReplicaSource

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used by the Netscape Directory Server for consumer-initiated replication that contains all the replication information for a particular subtree of the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.11

Required Attributes

Description

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

Unique identifier of the supplier server.

Allowed Attributes

Description

[cirBeginORC](#)

Defines whether the consumer server should erase the contents of its directory before replication.

[cirBindCredentials](#)

Bind credentials used to connect to the supplier server.

[cirBindDn](#)

Distinguished name used to bind to the supplier server.

[cirHost](#)

Hostname of the supplier server.

[cirLastUpdateApplied](#)

Last date and time that synchronization occurred between the consumer and supplier servers.

[cirPort](#)

Port number of the supplier server.

Allowed Attributes	Description
cirReplicaRoot	Root of the subtree on the supplier server to be replicated on the consumer.
cirSyncInterval	Periodically, the consumer server queries the supplier to find out if any changes have been made to the replicated portion of the directory. This attribute defines, in seconds, the interval between consumer queries of the supplier server.
cirUpdateFailedat	Timestamp of the last failed update attempt.
cirUpdateSchedule	Hours between which replication can occur.
cirUsePersistentSearch	Reserved for future use.
cirUseSsl	Tells the consumer server to use an SSL connection when binding to the supplier server.
replicaCFUpdated	Stores a locally-stored copy of the last known replayed replication changenumber. Not available in version 3.x. The server falls back to using this number if the last-replayed change number was not successfully stored on the consumer.
replicaEntryFilter	Specifies which entries should be replicated or omitted during replication.
replicaNickName	Freeform name that describes a particular set of replication rules between a single supplier and a single consumer server.
replicatedAttributeList	Specifies which attributes should be replicated or omitted during replication.

config

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Extensible object used to hold slapd configuration. This is used for cn=config and cn=ldbm-config.

Superior Class

top

OID

2.16.840.1.113730.3.2.39

Required Attributes**Description**

[objectClass](#)

Specifies the object classes of the object.

[cn \(commonName\)](#)

[Common name of the slapd configuration.]

country

Supported by

LDAP

Definition

Defines entries that represent countries.

Superior Class

top

OID

2.5.6.2

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[co \(countryName\)](#)

The entry's country name.

Allowed Attributes**Description**

[description](#)

Text description of the country.

[searchGuide](#)

Specifies information for suggested search criteria when using the entry as the base object in the directory tree for a search operation.

dcObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class that allows domain components to be defined for an entry. This object class is defined as auxiliary because it is commonly used in combination with another object class, such as **o** (**organizationName**) (organization), **ou** (**organizationUnitName**) (organizationalUnit), or **l** (**localityName**) (locality). For example:

```
dn: dc=airius,dc=com
objectClass: top
objectClass: organization
objectClass: dcObject
dc: airius
o: Airius Corp.
```

Superior Class

top

OID

1.3.6.1.4.1.1466.344

Required Attributes	Description
objectClass	Specifies the object classes of the object.
dc	Domain component of the entry.

device

Supported by

LDAP

Definition

Object class used to store information about network devices, such as printers, in the directory. Reserved for use by the directory server.

Superior Class

OID

2.5.6.14

Required Attributes	Description
objectClass	Specifies the object classes of the object.
cn (commonName)	Common name of the device.
Allowed Attributes	Description
description	Text description of the device.
l (localityName)	Locality in which the device resides.
o (organizationName)	Organization to which the device belongs.
ou (organizationUnitName)	Organizational unit to which the device belongs.
owner	Distinguished name of the person responsible for the device.
seeAlso	URL to information relevant to the device.
serialNumber	Serial number of the device.

directoryServerFeature

Supported by

Netscape Directory Server 4.0

Definition

Represents a feature of the server. Designed primarily for use in defining ACLs, but may also contain configuration information (for instance, information about VLV indexes). Directory server 4.0 features are listed under *cn=features*, *cn=config*

Superior Class

top

OID

2.16.840.113730.3.2.40

Required Attributes	Description
objectClass	Specifies the object classes of the object.

Allowed Attributes	Description
cn (commonName)	Common name of the entry.
multiLineDescription	Descriptive text identifying the entry.
oid	OID of the feature (for example 2.16.840.1.113730.3.4.9 is the VLV request control OID)

document

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Used to define entries which represent documents in the directory. Reserved for use by the directory server.

Superior Class

top

OID

0.9.2342.19200300.100.4.6

Required Attributes

Description

objectClass

Specifies the object classes of the object.

documentLocation

Unique identifier for a document.

Allowed Attributes

Description

abstract

Abstract of the document.

authorCn

Author's common, or given, name.

authorSn

The author's surname.

cn (commonName)

Common name of the document.

description

Text description of the document.

documentAuthor

Distinguished name of the document author.

documentLocation

Location of the original document.

documentPublisher

Person or organization that published the document.

documentStore

Not defined.

documentTitle

The document's title.

Allowed Attributes	Description
drink	The document's version number.
keyWords	Keywords that describe the document.
l (localityName)	Locality in which the document resides.
o (organizationName)	Organization to which the document belongs.
obsoletedByDocument	Distinguished name of a document that obsoletes this document.
obsoletesDocument	Distinguished name of a document that is obsoleted by this document.
ou (organizationUnitName)	Organizational unit to which the document belongs.
seeAlso	URL to information relevant to the document.
subject	Subject of the document.
updatedByDocument	Distinguished name of a document that is an updated version of this document.
updatesDocument	Distinguished name of a document for which this document is an updated version.

documentSeries

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Used to define an entry that represents a series of documents. Reserved for use by the directory server

Superior Class

top

OID

0.9.2342.19200300.100.4.9

Required Attributes

[objectClass](#)

[cn \(commonName\)](#)

Description

Specifies the object classes of the object.

The common name of the series.

Allowed Attributes

[description](#)

[l \(localityName\)](#)

[o \(organizationName\)](#)

[ou \(organizationUnitName\)](#)

[seeAlso](#)

[telephoneNumber](#)

Description

Text description of the series.

Locality in which the series resides.

Organization to which the series belongs.

Organizational unit to which the series belongs.

URL to information relevant to the series.

Telephone number of the person responsible for the series.

domain

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used to define entries that represent DNS domains in the directory. The domainComponent attribute should be used for naming entries of this object class. Reserved for use by the directory server

Used to represent Internet domain names (for example, airius.com or aolius.com).

The domain object class can only be used with an entry that does not correspond to an organization, organizational unit or other type of object for which an object class has been defined. The domain object class requires that the domainComponent attribute be present, and permits several other attributes to be present in the entry.

Superior Class

top

OID

0.9.2342.19200300.100.4.13

Required Attributes**Description**

[objectClass](#)

Specifies the object classes of the object.

[dc \(domainComponent\)](#)

One component of a domain name.

Allowed Attributes	Description
<code>associatedName</code>	Entry in the organizational directory tree associated with a DNS domain.
<code>businessCategory</code>	Type of business this domain is engaged in.
<code>description</code>	Text description of the domain.
<code>destinationIndicator</code>	This attribute is used for telegram services to this domain.
<code>fax</code> (<code>fascimileTelephoneNumber</code>)	Fax number associated with the domain.
<code>internationalSdnNumber</code>	ISDN number associated with the domain.
<code>l</code> (<code>localityName</code>)	Locality in which the domain resides.
<code>manager</code>	Distinguished name of a manager associated with the domain.
<code>o</code> (<code>organizationName</code>)	Organization to which the domain belongs.
<code>physicalDeliveryOfficeName</code>	Location where physical deliveries can be made.
<code>postOfficeBox</code>	Domain's post office box.
<code>postalAddress</code>	Mailing address associated with the domain.
<code>postalCode</code>	Domain's postal code (such as a United States zip code).
<code>preferredDeliveryMethod</code>	Domain's preferred method of contact or delivery.
<code>registeredAddress</code>	Postal address suitable for reception of expedited documents, where the recipient must verify delivery.
<code>searchGuide</code>	Specifies information for suggested search criteria when using the entry as the base object in the directory tree for a search operation.
<code>seeAlso</code>	URL to information relevant to the domain.
<code>st</code>	State or province in which the domain resides.

Allowed Attributes	Description
street	Street address associated with the domain.
telephoneNumber	Telephone number associated with the domain.
teletexTerminalIdentifier	Identifier for a teletex terminal associated with the domain.
telexNumber	Telex number associated with the domain.
userPassword	Reserved for future use.
x121Address	X.121 address associated with the domain.

domainRelatedObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used to define entries that represent a DNS domain that is equivalent to an X.500 domain, usually an organization or organizational unit. Reserved for use by the directory server

Superior Class

top

OID

0.9.2342.19200300.100.4.17

Required Attributes**Description**

[objectClass](#)

Specifies the object classes of the object.

[associatedDomain](#)

DNS domain associated with an object in the directory tree.

DNSDomain

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used as a subclass of domain to store DNS resource records in the directory. Reserved for use by the directory server.

Superior Class

top

OID

0.9.2342.19200300.100.4.15

Required Attributes	Description
objectClass	Specifies the object classes of the object.

Allowed Attributes	Description
dNSRecord	DNS resource records.

dSA

Supported by

LDAP

Definition

Object class used to define entries representing DSAs in the directory. Reserved for use by the directory server.

Superior Class

top

OID

2.5.6.13

Required Attributes**Description**

[objectClass](#)

Specifies the object classes of the object.

Allowed Attributes**Description**

[knowledgeInformation](#)

This attribute is no longer used.

extensibleObject

Supported by

LDAPv3

Definition

When present in an entry, permits the entry to optionally hold any attribute. The allowed attribute list of this class is implicitly the set of all attributes known to the server.

Superior Class

top

OID

1.3.6.1.4.1.1466.101.120.111

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

Allowed Attributes

all object class attributes known to the server.

Description

friendlyCountry

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used to define country entries in the directory tree. This object class is used to allow more user-friendly country names than those allowed by the country object class. Reserved for use by the directory server

Superior Class

top

OID

0.9.2342.19200300.100.4.18

Required Attribute**Description**

[objectClass](#)

Specifies the object classes of the object.

[co \(countryName\)](#)

stores the name of a country.

glue

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Used for filtered replication. If an entry shouldn't be sent. For more information about extensible object classes, see the Netscape Directory Server Deployment Guide. Reserved.

Superior Class

top

OID

2.16.840.1.113730.3.2.3

groupOfCertificates

Supported by

Netscape Directory Server

Definition

A groupOfCertificates entry describes a set of X.509 certificates. Any certificate that matches one of the memberCertificateDescription values is considered a member of the group

Superior Class

top

OID

2.16.840.1.113730.3.2.31

Required Attributes

Description

objectClass

Specifies the objects for this object class.

cn (commonName)

The group's common name.

Allowed Attributes

Description

businessCategory

Business in which the group is involved.

description

description of the group

memberCertificateDescription

Values used to determine if a particular certificate is a member of this group.

o (organizationName)

Organization that controls the group of certificates.

ou (organizationUnitName)

Organizational unit to which the group belongs.

owner

The group's owner.

seeAlso

URL to information relevant to the group.

groupOfNames

Supported by

LDAP

Definition

Defines entries for a group of names.

Superior Class

top

OID

2.5.6.9

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

The group's common name.

Allowed Attributes**Description**

[businessCategory](#)

Type of business in which the group is engaged.

[description](#)

Text description of the group's purpose.

[member](#)

A group member in distinguished name format.

[o \(organizationName\)](#)

Organization to which the group belongs.

[ou \(organizationUnitName\)](#)

Organizational unit to which the group belongs.

[owner](#)

The group's owner.

[seeAlso](#)

URL to information relevant to the group.

groupOfUniqueNames

Supported by

LDAP

Definition

Defines entries for a group of unique names.

Superior Class

top

OID

2.5.6.17

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	The group's common name.

Allowed Attributes	Description
businessCategory	Type of business in which the group is engaged.
description	Text description of the group's purpose.
o (organizationName)	Organization to which the group belongs.
ou (organizationUnitName)	Organizational unit to which the group belongs.
owner	The group's owner.
seeAlso	URL to information relevant to the group.
uniqueMember	A unique group member in distinguished name format.

groupOfURLs

Supported by

Netscape Directory Server 4.0

Definition

An auxiliary object class of groupOfUniqueNames or groupOfNames. The group consists of a list of labeled URLs. Not supported by Netscape Directory Server 3.0.

Superior Class

top

OID

2.16.840.1.113730.3.2.33

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	The group's common name.

Allowed Attributes	Description
businessCategory	Business in which the group is involved.
description	description of the group
memberURL	URL associated with each member of the group.
o (organizationName)	Organization that controls the group of certificates.
ou (organizationUnitName)	Organizational unit to which the group belongs.
owner	The group's owner.
seeAlso	URL to information relevant to the server.

labeledURIObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

This object class can be added to existing directory objects to allow for inclusion of URI values. This approach does not preclude including the labeledURI attribute type directly in other object classes as appropriate. Reserved for use by the directory server.

Superior Class

top

OID

1.3.6.1.4.1.250.3.1

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
labeledURL	A Uniform Resource Identifier (URI) that is relevant to the entry.

LDAPServer

Supported by

Netscape Directory Server 1.0, 3.x, 4.0.

Definition

Identifies the local server.

Superior Class

top

OID

2.16.840.1.113730.3.2.35

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Unique identifier of the supplier server.
Allowed Attributes	Description
changeLogMaximumAge	Maximum age permitted for the server's change log.
changeLogMaximumSize	Maximum size permitted for the server's change log.
description	Text description of the server.
generation	Unique byte vector that identifies the server for replication purposes.
l (localityName)	Locality in which the server resides.
ou (organizationUnitName)	Organizational unit to which the server belongs.
seeAlso	URL to information relevant to the server.

LDAPReplica

Supported by

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Identifies entries in the local server that are replicated to a remote server, and identifies the remote server to which the entries are replicated. This object class is a Netscape extension to the LDAP schema.

Superior Class

top

OID

2.16.840.1.113730.3.2.36

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	The entry's common name.

Allowed Attributes	Description
description	Text description of the entry.
l (localityName)	Locality in which the entry resides.
ou (organizationUnitName)	Organizational unit in which the entry resides.
replicaAbandonedChanges	string representation of change numbers known to have been in transit
replicaBeginOrc	Defines whether or not the supplier server should erase the contents of the consumer server before replication.
replicaBindDn	DN used by the local server to bind to the consumer server.

Allowed Attributes	Description
replicaBindMethod	Method used by the local server to bind to the consumer. Currently this attribute must be set to simple.
replicaCFUpdated	Stores, locally, a copy of the last-known replayed replication changenumber. This fall-back is not available in DS 1.0 and 4.0, but not DS 3.x.
replicaCredentials	Password used by the local server to bind to the consumer.
replicaEntryFilter	Specifies which entries should be replicated or omitted in a filtered replication agreement.
[replicaLastRelevantChange?]	
replicaHost	Hostname of the consumer server.
replicaNickName	stores a freeform name for the replication agreement.
replicaPort	Port used by the consumer server for LDAP communications.
replicaRoot	Distinguished name representing the subtree on the local server that is to be supplied to the consumer server.
replicatedAttributeList	Specifies which attributes should be replicated or omitted in a selected attribute replication agreement.
replicaUpdateFailedAt	Time stamp when an update to the consumer server failed.

Allowed Attributes	Description
replicaBindMethod	Method used by the local server to bind to the consumer. Currently this attribute must be set to simple.
replicaCFUpdated	Stores, locally, a copy of the last-known replayed replication changenumber. This fall-back is not available in DS 1.0 and 4.0, but not DS 3.x.
replicaCredentials	Password used by the local server to bind to the consumer.
replicaEntryFilter	Specifies which entries should be replicated or omitted in a filtered replication agreement.
[replicaLastRelevantChange?]	
replicaHost	Hostname of the consumer server.
replicaNickName	stores a freeform name for the replication agreement.
replicaPort	Port used by the consumer server for LDAP communications.
replicaRoot	Distinguished name representing the subtree on the local server that is to be supplied to the consumer server.
replicatedAttributeList	Specifies which attributes should be replicated or omitted in a selected attribute replication agreement.
replicaUpdateFailedAt	Time stamp when an update to the consumer server failed.

Allowed Attributes	Description
replicaUpdateReplayed	Change number of the last change supplied to the consumer server.
replicaUpdateSchedule	Schedule when the local server begins an update to the consumer server.
replicaUseSSL	Indicates whether SSL is to be used for communications with the consumer server.
seeAlso	URL to information relevant to the server.

locality

Supported by

LDAP

Definition

Defines entries that represent localities or geographic areas.

Superior Class

top

OID

2.5.6.3

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[l \(localityName\)](#)

The entry's locality.

Allowed Attributes**Description**

[description](#)

Text description of the locality.

[searchGuide](#)

Specifies information for a suggested search criteria when using the entry as the base object in the directory tree for a search operation.

[seeAlso](#)

URL to information relevant to the locality.

[st](#)

State or province to which the locality belongs.

[street](#)

Street address associated with the locality.

inetOrgPerson

Supported by

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Defines entries representing people in an organization's enterprise network. Inherits cn and sn from the person object class.

Superior Class

person

OID

2.16.840.1.113730.3.2.2

Required Attributes

Description

objectClass

Specifies the objects for this object class.

Allowed Attributes

Description

audio

stores a sound file in binary format.

businessCategory

Business in which the person is involved.

carLicense

The license plate number of the person's vehicle.

departmentNumber

Department for which the person works.

displayName

Preferred name of a person to be used when displaying entries.

employeeNumber

The person's employee number.

employeeType

The person's type of employment (for example, full time).

givenName

The person's given, or first, name.

homePhone

The person's home phone number.

homePostalAddress

The person's home mailing address.

Allowed Attributes	Description
homeIdentifier	The person's home mailing address.
initials	The person's initials.
jpegPhoto	An image in JPEG format.
labeledURL	Universal resource locator that is relevant to the person.
mail	The person's electronic mailing address.
manager	Distinguished name representing the person's manager.
mobile	The person's mobile phone number.
pager	The person's pager number.
photo	stores a photo, in binary form.
preferredLanguage	Defines a person's preferred written or spoken language.
roomNumber	The room number in which the person is located.
secretary	The person's secretary or administrator.
uid (userID)	Identifies the entry's userid (usually the logon ID).
userCertificate	stores a user's certificate in cleartext (not used).
userClass	stores a user's certificate in binary form.
userSMIMECertificate	stores a user's certificate in binary form. Used by Netscape Communicator for S/MIME.
x500UniqueIdentifier	Undefined.

netscapeCertificateServer

Supported by

Netscape Certificate Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used to store information about the Netscape Certificate Server in the directory. Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.1

Required Attribute	Description
objectClass	Reserved.

netscapeDirectoryServer

Supported by

Netscape Directory Server 1.0, 3.x, 4.0.

Definition

Stores information about the Netscape Directory Server in the directory.
Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.2

Required Attribute

[objectClass](#)

Description

Specifies the objects for this object class.

netscapeMachineData

Supported by

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Used by the Netscape Directory Server to distinguish between machine data and non-machine data. Machine data is filtered out during replication.

Superior Class

top

OID

2.16.840.1.113730.3.2.32

netscapeMediaServer

Supported by

Netscape Media Server, Netscape Directory Server 1.0, 3.x, 4.0

Definition

Stores information about the Netscape Media Server in the directory.
Reserved for future use

Superior Class

top

OID

2.16.840.1.113730.3.2.25

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

netscapeProxyServer

Supported by

Netscape Proxy Server 4.0

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Stores information about the Netscape Proxy Server in the directory.
Reserved for future use.

Superior Class

top

OID

2.16.840.1.113730.3.2.28

Required Attribute

[objectClass](#)

Description

Specifies the objects for this object class.

netscapeServer

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class that identifies entries used by Netscape servers when they bind to the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.10

Required Attributes

objectClass

Description

Specifies the objects for this object class.

cn (commonName)

The common name of the server.

Allowed Attributes

Description

adminUrl

URL to the administration server under which the Netscape server is running.

administratorContactInfo

URL to information relevant to the person responsible for administering the Netscape server.

description

Text description of the server.

installationTimeStamp

Time when the Netscape server was installed.

serverHostName

Hostname on which the Netscape server is installed.

serverProductName

Netscape server's product name.

serverRoot

Path to the server's installation root.

serverVersionNumber

Netscape server's version number.

userPassword

stores a password for the server.

newPilotPerson

Supported by

Netscape Directory Server 1.0, 3.x, 4.0.

Definition

Used as a subclass of person, to allow the use of a number of additional attributes to be assigned to entries of the person object class. Inherits cn and sn from the person object class.

Superior Class

person

OID

0.9.2342.19200300.100.4.4

Required Attributes

Description

objectClass

Specifies the objects for this object class.

Allowed Attributes

Description

businessCategory

Type of business this person is engaged in.

drink

The person's favorite drink.

homePhone

The person's home phone number.

houseIdentifier

The person's home address.

janetMailbox

An email address for the person.

mail

An email address for the person.

mailPreferenceOption

Indicates a preference for inclusion of the person's name on mailing lists (electronic or physical). Not valid in Messaging server 4.0.

mobile

The person's mobile phone number.

organizationalStatus

The person's type of employment (for example, full time).

Allowed Attributes	Description
otherMailbox	Values for electronic mailbox types other than X.400 and rfc822.
pager	The person's pager number.
personalSignature	The person's signature file.
personalTitle	The person's personal title.
preferredDeliveryMethod	The person's preferred contact or delivery method.
roomNumber	Room number of the person.
secretary	Distinguished name of the person's secretary or administrative assistant.
textEncodedORAddress	Text-encoded Originator/Recipient (X.400) address of the person.
uid (userID)	Logon ID of the person.
userClass	Category of user.

nsIndex

Supported by

Netscape Directory Server 4.0

Definition

Used internally by the server to create an Index object for an attribute.

Superior Class

top

OID

2.16.840.1.113730.3.2.44

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	The name of the attribute for which this object has been created.
nsSystemIndex	Set to true if this is a system index.

Allowed Attributes	Description
description	A user-supplied description for the index.
nsIndexType	Used internally by the directory server
nsMatchingRule	Used internally by the directory server.

nsLicenseUser

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Used to track licenses for Netscape servers that are licensed on a per-client basis. nsLicenseUser is intended to be used with the inetOrgPerson object class. You can manage the contents of this object class through the Users and Groups area of the Netscape Administration Server.

Superior Class

top

OID

2.16.840.1.113730.3.2.7

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
nsLicensedFor	Netscape server that the user is licensed to use.
nsLicenseEndTime	Reserved for future use.
nsLicenseStartTime	Reserved for future use.

nsslapdPlugin

Supported by

Netscape Directory Server 4.0

Definition

Represents a plugin used by the Directory Server. Each plugin listed in the Directory Server's slapd.conf file is turned into a plugin entry at startup. At startup, each plugin listed in slapd.conf and slapd.ldbm.conf is added under cn=plugins, cn= config

Superior Class

top

OID

2.16.840.1.113730.3.2.41

Required Attributes

Description

objectClass	Specifies the objects for this object class.
nsslapdBackend	cn of database backend for a plugin.
nsslapdPluginDescription	Sort description of the plugin.
nsslapdPluginEnabled	Determines whether the plugin is on or off.
nsslapdPluginId	The string used to identify the plugin.
nsslapdPluginInitFunc	The function called to initialize the plugin.
nsslapdPluginPath	The full path to the plugin.
nsslapdPluginType	The type of plugin.
nsslapdPluginVendor	the plugin vendor.
nsslapdPluginVersion	The plugin version number.

Allowed Attributes

Description

(no allowed attributes)

nsSNMP

Supported by

Netscape Directory Server 4.0

Definition

Contains SNMP information. The optional nsSNMPOrganization, nsSNMPLocation, nsSNMPContact, and nsSNMPDescription attributes specify information that is delivered to any SNMP client querying the directory SNMP agent.

Superior Class

top

OID

2.16.840.1.113730.3.2.43

Required Attributes

[objectClass](#)

[cn](#) (commonName)

[nsSNMPEnabled](#)

Description

Specifies the objects for this object class.

The common name of the entry.

Enables and disables the collection of SNMP statistics.

Allowed Attributes

[nsSNMPContact](#)

[nsSNMPDescription](#)

[nsSNMPLocation](#)

[nsSNMPMasterHost](#)

[nsSNMPMasterPort](#)

[nsSNMPOrganization](#)

Description

Identifies a contact person.

Describes the server.

Identifies the location of the server.

UNIX only: the host where the master agent is running.

UNIX only: the port for the Directory subagent to use to communicate with the master agent.

Identifies the organization.

ntGroup

Supported by

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used by the NT synchronization service to map the attributes of an NT group to an entry in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.9

Required Attributes	Description
objectClass	Specifies the objects for this object class.
ntGroupDomainId	Used by the NT synchronization service to store the NT Global Groupname / Domain.
Allowed Attributes	Description
description	Text description of the NT group.
l (localityName)	Locality in which the server resides.
ntGroupAttributes	Used by the NT synchronization service to store attributes for an NT group.
ntGroupCreateNewGroup	Reserved for use by the NT synchronization service.
ntGroupDeleteGroup	Reserved for use by the NT synchronization service.
ntGroupId	Used by the NT synchronization service to store the identifier for the group.
ntGroupType	the type of NT group
ou (organizationUnitName)	Organizational unit to which the group belongs.
seeAlso	URL to information relevant to the group.

ntUser

Supported by

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Defines entries that are to be synchronized between the directory server and a Windows NT network. The attributes defined by ntUser assist in NT Synchronization.

All ntUser attributes are read-only, except for ntUserCreateNewAccount, ntUserDomainId, and ntUserDeleteAccount. Any modifications made to read-only ntUser attributes will be deleted and the original values will be replaced when the next NT Synchronization occurs.

All ntUser attributes are read-only, except for ntUserCreateNewAccount, ntUserDomainId, and ntUserDeleteAccount. Any modifications made to read-only ntUser attributes will be deleted and the original values will be replaced when the next NT Synchronization occurs.

Several directory server attributes correspond directly to NT user account fields. When you create a new person entry in the directory server that is to be synchronized with NT, directory server attributes will be assigned to NT user account fields as shown in the directory server attribute table below.

Superior Class

top

OID

2.16.840.1.113730.3.2.8

Directory Server Attribute	NT User Account Field
cn (commonName) or commonName	full_name
description	comment
userid	name
userPassword	password
Required Attributes	Description
objectClass	Specifies the objects for this object class.
ntUserDomainId	Identifies the NT domain and user name.
Allowed Attributes	Description
	Identifies if the user's NT password has expired.
description	Text description of the user.
l (localityName)	The user's locality.
ntUserAcctExpires	Identifies when the user's NT account will expire.
ntUserAuthFlags	The user's privileges on the NT network.
ntUserBadPwCount	Number of times that a failed login attempt occurred in NT using the user's NT login ID.
ntUserCodePage	The user's code page.
ntUserComment	Description for the user's NT account.
ntUserCountryCode	The user's country code.
ntUserCreateNewAccount	Identifies whether an NT account should be created when this entry is created in the directory server.
ntUserDeleteAccount	Identifies whether the user's NT account should be deleted when this entry is deleted from the directory server.
ntUserFlags	Identifies various NT account flags.

Allowed Attributes	Description
ntUserHomeDir	Path to the user's home directory.
ntUserHomeDirDrive	Drive letter assigned to the user's home directory.
ntUserLastLogoff	Time of the user's last logoff from NT.
ntUserLastLogon	Time of the user's last logon to NT.
ntUserLogonHours	Times when the user is allowed to log on to NT.
ntUserLogonServer	Server to which the user's NT logon requests are sent.
ntUserMaxStorage	Maximum disk space available to the user under NT.
ntUserNumLogons	Number of successful logins to the user's NT account.
ntUserParms	Unicode string reserved for use by applications.
ntUserPrimaryGroupld	The user's primary global group.
ntUserPriv	User's level of privilege on the Windows NT Network.
ntUserProfile	Path to the user's NT profile.
ntUserScriptPath	Path to the user's NT login script.
ntUserUniqueld	Identifies the user's NT RID.
ntUserUnitsPerWeek	Value used to compute the user's NTUserLogonHours.
ntUserUsrComment	Comments regarding the user's NT entry.
ntUserWorkstations	NT workstations from which the user is allowed to log into the NT domain.
ou (organizationUnitName)	The organizational unit to which the user belongs.
seeAlso	URL to information relevant to the user.

organization

Supported by

LDAP

Definition

Defines entries that represent organizations. An organization is generally assumed to be a large, relatively static grouping within a larger corporation or enterprise.

Superior Class

top

OID

2.5.6.4

Required Attributes

objectClass

o (organizationName)

Description

Specifies the objects for this object class.

The name of the organization.

Allowed Attributes

businessCategory

description

destinationIndicator

fax

(facsimileTelephoneNumber)

internationalSdnNumber

l (localityName)

physicalDeliveryOfficeName

postalAddress

Description

Business in which the organization is involved.

Text description of the organization.

country and city associated with the entry needed to provide Public Telegram Service

Fax number associated with the organization.

contains the ISDN number of the entry

The organization's location.

A location where physical deliveries can be made to the organization.

The organization's mailing address.

Allowed Attributes	Description
postalCode	The organization's postal code (such as a United States zip code).
postOfficeBox	The organization's post office box.
preferredDeliveryMethod	The organization's preferred method of contact or delivery.
registeredAddress	postal address for receiving telegrams or expedited documents
searchGuide	Specifies information for suggested search criteria when using the entry as the base object in the directory tree for a search operation.
seeAlso	URL to information relevant to the organization.
st	State or province in which the organization resides.
street	Street address at which the organization is located.
telephoneNumber	Telephone number associated with the organization.
teletexTerminalIdentifier	Identifier for the teletex terminal of the organization.
telexNumber	Telex number of the organization.
userPassword	Password with which the entry can bind to the directory.
x121Address	X.121 address of the organization.

organizationalPerson

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Defines entries for people employed by or associated with an organization. cn and sn are inherited from the person object class.

Superior Class

person

OID

2.5.6.7

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
destinationIndicator	The country and city associated with the person needed to provide Public Telegram Service.
fax (facsimileTelephoneNumber)	The person's fax number.
internationalSdnNumber	The person's ISDN number.
l (localityName)	Location at which the person resides.
ou (organizationUnitName)	Organizational unit to which the person belongs.
physicalDeliveryOfficeName	Location where physical deliveries can be made to this person.
postalAddress	The person's mailing address.
postalCode	The person's postal code (such as a United States zip code).
postOfficeBox	The person's post office box.

Allowed Attributes	Description
preferredDeliveryMethod	The person's preferred method of contact or delivery.
registeredAddress	Postal address suitable for reception of expedited documents, where the recipient must verify delivery.
st	State or province in which the person resides.
street	Street address at which the person is located.
teletexTerminalIdentifier	Identifier for the teletex terminal of the organization.
telexNumber	Telex number of the organization.
title	The person's job title.
x121Address	X.121 address of the organization.

organizationalRole

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Defines entries that represent roles held by people within an organization.

Superior Class

top

OID

2.5.6.8

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	The role's common name.

Allowed Attributes	Description
description	Text description of the role.
destinationIndicator	This attribute is used for telegram services to the person in this role.
fax (facsimileTelephoneNumber)	Fax number of the person in the role.
internationalSdnNumber	ISDN number of the person in the role.
l (localityName)	Location in which the person in the role resides.
ou (organizationUnitName)	Organizational unit to which the person in the role belongs.
physicalDeliveryOfficeName	Location where physical deliveries can be made to the person in this role.
postalAddress	Business mailing address for the person in this role.

Allowed Attributes	Description
postalCode	Business postal code (such as a United States zip code) for the person in this role.
postOfficeBox	Business post office box for the person in this role.
preferredDeliveryMethod	Preferred method of contact or delivery of the person in this role.
registeredAddress	Postal address suitable for reception of expedited documents, where the recipient must verify delivery.
roleOccupant	Distinguished name of the person in this role.
seeAlso	URL to information relevant to the person in the role.
st	State or province in which the person in this role resides.
street	Street address at which the person in this role is located.
telephoneNumber	The person's telephone number.
teletexTerminalIdentifier	Identifier for the teletex terminal of the person in this role.
telexNumber	Telex number of the person in this role.
x121Address	X.121 address of the person in this role.

organizationalUnit

Supported by

LDAP

Definition

Defines entries that represent organizational units. An organizational unit is generally assumed to be a relatively static grouping within a larger organization.

Superior Class

top

OID

2.5.6.5

Required Attributes	Description
objectClass	Specifies the objects for this object class.
ou (organizationUnitName)	The name of the organizational unit.

Allowed Attributes	Description
businessCategory	Business in which the organizational unit is involved.
description	Text description of the organizational unit.
destinationIndicator	The country and city associated with the organizational unit needed to provide Public Telegram Service.
fax (facsimileTelephoneNumber)	Fax number associated with the organizational unit.
internationalSdnNumber	stores an ISDN number for the organizational unit.
l (localityName)	The organizational unit's location.

Allowed Attributes	Description
physicalDeliveryOfficeName	Location where physical deliveries can be made to the organizational unit.
postalAddress	The organizational unit's mailing address.
postalCode	The organizational unit's postal code (such as a United States zip code).
postOfficeBox	The organizational unit's post office box.
preferredDeliveryMethod	The organizational unit's preferred method of contact or delivery.
registeredAddress	Postal address suitable for reception of expedited documents, where the recipient must verify delivery.
searchGuide	Specifies information for suggested search criteria when using the entry as the base object in the directory tree for a search operation.
seeAlso	URL to information relevant to the organizational unit.
st	State or province in which the organizational unit resides.
street	Street address at which the organizational unit is located.
telephoneNumber	Telephone number associated with the organizational unit.
teletexTerminalIdentifier	Identifier for the teletex terminal of the organization.
telexNumber	Telex number of the organization.
userPassword	Password with which the entry can bind to the directory.
x121Address	X.121 address of the organization.

person

Supported by

LDAP

Definition

Defines entries that generically represent people. This object class is the base class for the organizationalPerson object class.

Superior Class

top

OID

2.5.6.6

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	The person's common name.
sn (surName)	The person's surname, or last name.

Allowed Attributes	Description
description	Text description of the person.
seeAlso	URL to information relevant to the person.
telephoneNumber	The person's telephone number.
userPassword	Password with which the person can bind to the directory.

passwordObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Stores password information for a user in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.12

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

Allowed Attributes

[accountUnlockTime](#)

When the user account will be unlocked.

[passwordExpirationTime](#)

Date and time when the user's password expires.

[passwordExpWarned](#)

Used by the directory server to keep track of password expiration warnings sent to a user.

[passwordHistory](#)

Password history for a user.

[passwordRetryCount](#)

Password failure count for a user.

[retryCountResetTime](#)

Describes when the passwordRetryCount should be reset to zero (0).

passwordPolicy

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Stores the password policy for all users in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.13

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
passwordChange	Release 4.0 functionality: setting allows or disallows user to modify password. Release 3.x functionality: settings include must, may, or cannot change passwords.
passwordCheckSyntax	Determines whether a syntax check is performed on user passwords.
passwordExp	Determines whether user passwords expire.
passwordInHistory	Defines how many passwords to keep in the history list.
passwordKeepHistory	Determines whether a history of user passwords should be saved.
passwordLockout	Determines whether users should be locked out after using an incorrect password a specified number of times.

Allowed Attributes	Description
passwordLockoutDuration	Specifies the period of time users should be locked out following a specified number of retries.
passwordMaxAge	Specifies the period of time passwords can be used before they expire.
passwordMaxFailure	Maximum number of retries allowed before a user is locked out.
passwordMinAge	Specifies the period of time a password must be in effect before a user can change it.
passwordMinLength	Specifies the minimum number of characters allowed in user passwords.
passwordMustChange	Specifies whether users must change their password following initial login or password reset.
passwordResetDuration	Specifies, in seconds, s the period of time that passes before the server resets the retry count to zero.
passwordResetFailureCount	Specifies the period of time that passes before the server resets the retry count to zero.
passwordStorageScheme	Specifies the type of encryption used to store directory server passwords.
passwordUnlock	Determines whether users should be locked out forever after a specified number of retries.
passwordWarning	Specifies when to send a password expiration warning to the user.

pilotObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used as a subclass to allow additional attributes to be assigned to entries of all other object classes. Reserved for future use.

Superior Class

top

OID

0.9.2342.19200300.100.4.3

Required Attributes	Description
objectClass	Reserved.
Allowed Attributes	Description
audio	Sound file.
dITRedirect	Distinguished name to use as a redirect for the entry.
info	Information about the object.
jpegPhoto	Photo in jpeg format.
lastModifiedBy	Distinguished name of the last user to modify the object.
lastModifiedTime	Last time the object was modified.
manager	Distinguished name of the object's manager.
photo	Photo of the object.
uniqueIdentifier	Specific item used to distinguish between two entries when a distinguished name has been reused.

pilotOrganization

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used as a subclass to allow additional attributes to be assigned to organization and organizationalUnit object class entries. Reserved for future use.

Superior Class

top

OID

0.9.2342.19200300.100.4.20

Required Attributes	Description
objectClass	Specifies the objects for this object class.
o (organizationName)	Organization to which the entry belongs.
ou (organizationalUnitName)	Organizational unit to which the entry belongs.

Allowed Attributes	Description
buildingName	Name of the building in which the entry resides.
businessCategory	Type of business this entry is engaged in.
description	Text description of the entry.
destinationIndicator	This attribute is used for telegram services to this entry.
fax (facsimileTelephoneNumber)	Fax number associated with the entry.
internationalSdnNumber	ISDN number associated with the entry.
l (localityName)	Locality in which the entry resides.

Allowed Attributes	Description
physicalDeliveryOfficeName	Location where physical deliveries can be made to this entry.
postOfficeBox	Business post office box for the entry.
postalAddress	Business mailing address for the entry.
postalCode	Business postal code (such as a United States zip code) for the entry.
preferredDeliveryMethod	Preferred method of contact or delivery of the entry.
registeredAddress	Postal address suitable for reception of expedited documents, where the recipient must verify delivery.
searchGuide	Specifies information for suggested search criteria when using the entry as the base object in the directory tree for a search operation.
seeAlso	URL to information relevant to the entry.
st	State or province in which the entry resides.
street	Street address at which the entry is located.
telephoneNumber	Telephone number associated with the entry.
teletexTerminalIdentifier	Identifier for the teletex terminal of the entry.
telexNumber	Telex number of the entry.
userPassword	The entry's password and encryption method.
x121Address	X.121 address of the entry.

referral

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Allows smart referrals to be placed in an entry. The referral object class is a subclass of top and may contain the referral attribute. When an entry includes this object class and has a ref attribute, the server responds to requests involving the entry with a referral to the URL specified rather than with the contents of the entry. However, if the ManageDSAIT control is sent with a request, the entry contents are processed and no referral is returned.

For more information on ManageDSAIT, see section 7 of the the IETF working document, *Referrals and Knowledge References in LDAP Directories*

Superior Class

top

OID

2.16.840.1.113730.3.2.6

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
ref	LDAP URL in the format: ldap://servername:portnumber/dn.

residentialPerson

Supported by

Netscape Directory Server 1.0, 3.x, 4.0.

Definition

Object class used by the directory server to contain a person's residential information.

Superior Class

top

OID

2.5.6.10

Required Attributes	Description
objectClass	Specifies the objects for this object class.
l (localityName)	Locality in which the person resides.

Allowed Attributes	Description
businessCategory	Business in which the person is involved.
destinationIndicator	This attribute is used for telegram services to this person.
fax	Fax number for the person.
(fascimileTelephoneNumber)	
internationalSdnNumber	ISDN number of the person.
physicalDeliveryOfficeName	Location where physical deliveries can be made.
postalAddress	Business mailing address for the person.
postalCode	Business postal code (such as a United States zip code) for the person.
postOfficeBox	Business post office box for the person.

Allowed Attributes	Description
preferredDeliveryMethod	Preferred method of contact or delivery of the person.
registeredAddress	Postal address suitable for reception of expedited documents, where the recipient must verify delivery.
st	State or province in which the person resides.
street	Street address at which the person is located.
teletexTerminalIdentifier	Identifier for the teletex terminal of the person.
telexNumber	Telex number of the person.
x121Address	X.121 address of the person.

RFC822LocalPart

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used to define entries that represent the local part of RFC822 mail addresses. The directory treats this part of an RFC822 address as a domain. Reserved for use by the directory server.

Superior Class

domain

OID

0.9.2342.19200300.100.4.14

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Attribute	Description
cn (commonName)	Common name of the room.
sn (surName)	Surname of the entry.

room

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used to store information about a room in the directory. Reserved for future use.

Superior Class

top

OID

0.9.2342.19200300.100.4.7

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Common name of the room.

Attribute	Description
description	Text description of the room.
roomNumber	The room's number.
seeAlso	URL to information relevant to the room.
telephoneNumber	The room's telephone number.

strongAuthenticationUser

Supported by

Netscape Directory Server 3.x, 4.0

Definition

[?]

Superior Class

top

OID

2.5.6.15

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

simpleSecurityObject

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Object class used to allow an entry to contain the userPassword attribute when an entry's principal object classes do not allow userPassword as an attribute type. Reserved for future use.

Superior Class

top

OID

0.9.2342.19200300.100.4.19

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[userPassword](#)

The entry's password and encryption method.

subschema

Supported by

Directory Server 3.x, 4.0

Definition

Object class that stores all the attributes and object classes for a given directory server (whereas, `attributeTypes` is used to store all attributes known to the server and `objectClasses` is used to store all object classes known to the server).

Directory server 4.0 has one subschema entry, `cn=schema`. This subschema entry can be modified to add and remove schema dynamically.

Superior Class

top

OID

2.5.20.1

Required Attributes	Description
<code>objectClass</code>	Specifies the objects for this object class.
Allowed Attributes	Description
<code>attributeTypes</code>	Attribute types used within a subschema.
<code>cn (commonName)</code>	Common name of the object class. For the Netscape Directory Server, this value is always <code>cn=schema</code> .
<code>dITContentRules</code>	Defines directory tree content rules used within a subschema.
<code>dITStructureRules</code>	Defines directory tree structure rules used in a subschema.

Allowed Attributes	Description
matchingRuleUse	Identifies the attribute types to which a matching rule applies in a subschema.
matchingRules	Defines matching rules used in a subschema.
nameForms	Defines the name forms used in a subschema.
objectClasses	Defines the object classes used in a subschema.

top

Supported by

LDAP

Definition

Object class used as a superclass for all other object classes in the directory. Reserved for use by the directory server.

Superior Class

top

OID

2.5.6.0

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

Allowed Attributes

[aci](#)

Description

Stores the directory server access control information for this entry.

vlvIndex

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Used to define the sort criteria of a Virtual List View index. Each VLV index specification defines the sort order to be imposed on the result set defined in the VLV search entry. A set of VLV index entries may appear below the VLV search entry. The cn attribute is used as the naming component for the entry.

Superior Class

top

OID

2.16.840.1.113730.3.2.42

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Naming component for the entry.
vlvSort	Defines the sort specification for a search.
Allowed Attributes	Description
vlvEnabled	Signals whether the index is available or unavailable.
vlvUses	Identifies the number of times the index has been used.

vlvSearch

Supported by

Netscape Directory Server 3.x, 4.0

Definition

Used to define a Virtual List View search. The VLV search exists as an entry below the suffix `cn=config`, `cn=ldb` and specifies the entry result set to be VLV indexed. The `cn` attribute is used as the naming component for the entry.

A list of the VLV search specification DNs appear in the `rootdse` in the `vlvsearches` multi-valued attribute. Clients searching this list can use the list of DNs to retrieve all available VLV searches.

Superior Class

top

OID

2.16.840.1.113730.3.2.38

Required Attributes	Description
<code>objectClass</code>	Specifies the objects for this object class.
<code>cn</code> (<code>commonName</code>)	Friendly name of the vlv search assigned by the system administrator at creation time and used as the naming component.
<code>vlvBase</code>	Defines the base dn of the search.
<code>vlvFilter</code>	Specifies the search filter
<code>vlvScope</code>	Defines the search scope.
Allowed Attributes	Description
<code>multiLineDescription</code>	Provides descriptive text for the entry.

Enterprise Server Object Classes

netscapeWebServer

Supported by

NetscapeEnterprise Server

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Stores information about a NetscapeHTTP server [such as basic topology info, IP address, port number] in the directory.

Superior Class

top

OID

2.16.840.1.113730.3.2.29

Required Attribute	Description
objectClass	Specifies the objects for this object class.

Required Attribute	Description
nsServerPort	port number of the server

netshareAccount

Supported by

Netscape Enterprise Server

Netscape Directory Server 3.x, 4.0

Definition

Added to users or groups/projects to enable as netshare user accounts or netshare projects.store information about a Netscape HTTP server in the directory.

Superior Class

top

OID

Required Attributes	Description
objectClass	Specifies the objects for this object class.
netshareHomeURL	

Allowed Attributes	Description
netshareHomeTheme	d
netshareMemberOf	
netsharePrivate	
netshareServerType	
netshareUIConfig	

netshareProjectManagementGlobalConfig

Supported by

Netscape Enterprise Server

Netscape Directory Server 3.x, 4.0

Definition

[for the netshare project management utility / CGI that is created under the DIE; this parallels the messaging MLM schema somewhat to enable end-user maintenance / creation of netshare projects--unstable, may change..

Superior Class

top

OID

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
cn (commonName)	
netsharePMNewProjParent	dn, single
netsharePMSearchBase	"
netsharePMProjCreationUser	"
netsharePMAAdmin	"

nses4n

Supported by

Netscape Enterprise Server

Netscape Directory Server 4.0

Definition

Identifies the hierarchically-named containment tree of nodes, each node containing attributes, the contents of which are self-typing data blobs (CORBA Any's). This schema is used to back-end this abstractio

Superior Class

top

OID

Required Attribute	Description
objectClass	Specifies the objects for this object class..
Allowed Attribute	Description
nses4an	The name of the attribute.

nses4a

Supported by

Netscape Enterprise Server

Netscape Directory Server 3.x, 4.0

Definition

Identifies the attribute entry

Superior Class

top

OID

Required Attributes	Description
objectClass	Specifies the objects for this object class.
nses4an	Name of the attribute.

Allowed Attributes	Description
nses4av	An opaque binary data blob (a marshalled CORBA Any).

Network Information Service (NIS) Object Classes

automount

Supported by

Netscape Directory Server 4.0

Definition

Superior class

top

OID

1.3.6.1.1.1.2.9

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description
description	

bootableDevice

Supported by

Netscape Directory Server 4.0

Definition

Superior class

device

OID

1.3.6.1.1.1.2.1

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Common name of the device.

Allowed Attributes	Description
bootFile	
bootParameter	
description	
l (localityName)	
o (organizationName)	
ou (organizationUnitName)	
owner	
seeAlso	
serialNumber	

ieee802Device

Supported by

Netscape Directory Server 4.0

Definition

A device with a MAC address; device should be used as a structural class

Superior class

top

OID

1.3.6.1.1.1.2.11

Required Attributes

[objectClass](#)

Description

Specifies the objects for this object class.

Allowed Attributes

[macAddress](#)

Description

ipHost

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of a host, an IP device. The distinguished value of the cn attribute denotes the host's canonical name. Device should be used as a structural class

Superior class

device

OID

1.3.6.1.1.1.2.6

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Common name of the IP host.
ipHostNumber	

Allowed Attributes	Description
description	Text description of the IP host device.
l (localityName)	Name of the locality.
manager	Distinguished name of the entry's manager.

ipNetwork

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of a network. The distinguished value of the cn attribute denotes the network's canonical name.

Superior class

top

OID

1.3.6.1.1.1.2.7

Required Attributes

[objectClass](#)

[cn \(commonName\)](#)

[ipNetworkNumber](#)

Description

Specifies the objects for this object class.

Common name of the IP network.

Allowed Attributes

[description](#)

[manager](#)

[ipNetmaskNumber](#)

[l \(localityName\)](#)

Description

Text description of the network.

Distinguished name of the entry's manager.

ipProtocol

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of an IP protocol. Maps a protocol number to one or more names. The distinguished value of the cn attribute denotes the protocol's canonical name.

Superior class

top

OID

1.3.6.1.1.1.2.4

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Common name of the IP protocol.
ipProtocolNumber	

Allowed Attributes	Description
description	Text description of the protocol.

ipService

Supported by

Netscape Directory Server 4.0

Definition

Abstraction an Internet Protocol service. Maps an IP port and protocol (such as tcp or udp) to one or more names; the distinguished value of the cn attribute denotes the service's canonical name.

Superior class

top

OID

1.3.6.1.1.1.2.3

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

Common name of the service.

[ipServiceProtocol](#)

[ipServiceProtocol](#)

Allowed Attributes**Description**

[description](#)

Text description of the service.

nisNetgroup

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of a netgroup. May refer to other netgroups.

Superior class

top

OID

1.3.6.1.1.1.2.8

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

Common name of the netgroup.

Allowed Attributes**Description**

[description](#)

Text description of the netgroup.

[memberNisNetgroup](#)

[nsAccessLog](#)

nisMap

Supported by

Netscape Directory Server 4.0

Definition

A generic abstraction of a NIS map.

Superior class

top

OID

1.3.6.1.1.1.2.13

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[nisMapName](#)

Allowed Attributes**Description**

[description](#)

Text description of the map.

nisObject

Supported by

Netscape Directory Server 4.0

Definition

An entry in a NIS map

Superior class

top

OID

1.3.6.1.1.1.2.10

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

Common name of the object.

[nisMapEntry](#)

[nisMapName](#)

Allowed Attributes**Description**

[description](#)

Text description of the object.

oncRpc

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of an Open Network Computing (ONC) [RFC1057] Remote Procedure Call (RPC) binding. This class maps an ONC RPC number to a name. The distinguished value of the cn attribute denotes the RPC service's canonical name.

Superior class

top

OID

1.3.6.1.1.1.2.5

Required Attributes	Description
objectClass	Specifies the objects for this object class.
cn (commonName)	Common name of the RPC service.
oncRpcNumber	

Allowed Attributes	Description
description	Text description of the service.

posixAccount

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of an account with POSIX attributes

Superior class

top

OID

1.3.6.1.1.1.2.0

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

Common name of the POSIX account.

[gidNumber](#)

[homePhone](#)

[uid \(userID\)](#)

Entry's user ID.

[uidNumber](#)

Allowed Attributes**Description**

[description](#)

[gecos](#)

[loginShell](#)

[userPassword](#)

Entry's password and encryption method.

posixGroup

Supported by

Netscape Directory Server 4.0

Definition

Abstraction of a group of accounts

Superior class

top

OID

1.3.6.1.1.1.2.2

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[cn \(commonName\)](#)

Common name of the POSIX group.

[gidNumber](#)

Allowed Attributes**Description**

[description](#)

Text description of the group.

[memberUid](#)

[userPassword](#)

Entry's password and encryption method.

shadowAccount

Supported by

Netscape Directory Server 4.0

Definition

Additional attributes for shadow passwords.

Superior class

top

OID

1.3.6.1.1.1.2.1

Required Attributes**Description**

[objectClass](#)

Specifies the objects for this object class.

[uid \(userID\)](#)

Entry's user ID.

Allowed Attributes**Description**

[description](#)

[shadowExpire](#)

[shadowFlag](#)

[shadowInactive](#)

[shadowLastChange](#)

[shadowMax](#)

[shadowMin](#)

[shadowWarning](#)

[userPassword](#)

Entry's password and encryption method.

Mission Control Desktop Object Classes

nsLiPtr

Supported by

Netscape Mission Control Desktop

Netscape Directory Server 4.0

Definition

Superior Class

top

OID

2.16.840.1.113730.3.2.74

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
aci	
nsLiPtrURL	
owner	

nsLiProfile

Supported by

Netscape Mission Control Desktop

Netscape Directory Server 4.0

Definition

Superior Class

top

OID

2.16.840.1.113730.3.2.75

Required Attributes	Description
objectClass	Specifies the objects for this object class.
nsLiProfileName	

Allowed Attributes	Description
aci	
nsLiPrefs	
owner	
uid (userID)	

nsLiProfileElement

Supported by

Netscape Mission Control Desktop

Netscape Directory Server 4.0

Definition

Superior Class

top

OID

2.16.840.1.113730.3.2.76

Required Attributes	Description
objectClass	Specifies the objects for this object class.
nsLiElementType	

Allowed Attributes	Description
aci	
owner	
nsLIData	

nsLiServer

Supported by

Netscape Mission Control Desktop

Netscape Directory Server 4.0

Definition

Superior Class

top

OID

2.16.840.1.113730.3.2.77

Required Attributes	Description
objectClass	Specifies the objects for this object class.
serverHostName	

Allowed Attributes	Description
aci	
cn (commonName)	
description	
nsLiServerType	
nsServerPort	
serverRoot	

nsMailClient

Supported by

Netscape Mission Control Desktop

Netscape Directory Server 4.0

Definition

Superior Class

top

OID

Required Attributes	Description
objectClass	Specifies the objects for this object class.

Allowed Attributes	Description
nsMCAddrBookLastnameFirst	
nsMCAAllowAtSignInUserName	
nsMCAItMailDll	
nsMCAutoCompleteEnabledServerName	
nsMCAutoCompleteShowDialogForMultipleMatches	
nsMCAutoCompleteUseDirectory	
nsMCAutoCompleteUseDirectory	
nsMCAutoQuote	
nsMCCitationColor	

Allowed Attributes	Description
nsMCCConfirmMoveFoldersToTrash	
nsMCCryptoSignOutgoingMail	
nsMCCryptoSignOutgoingNew	
s	
nsMCDefaultHTMLAction	
nsMCEncryptOutgoingMail	
nsMCFixedWidthMessages	
nsMCForwardMessageMode	
nsMCImapAutoSubscribeOnOpen	
nsMCImapMimePartsOnDemand	
nsMCImapMimePartsOnDemandThreshold	
nsMCImapServer	
nsMCImapServerProperties	
nsMCIncorporateReturnReceipt	
nsMCLdapServer	
nsMCLdapServerProperties	
nsMCLimitMessageSize	
nsMCMaxMessageSize	
nsMCMDNReportEnabled	
nsMCMDNReportNotInToCC	
nsMCMDNReportOther	

Allowed Attributes	Description
nsMCMDNReportOutsideDomain	
nsMCNavCrossesFolders	
nsMCNewsKeepCount	
nsMCNewsKeepDays	
nsMCNewsKeepMethod	
nsMCNewsKeepOnlyUnread	
nsMCNewsRemoveBodiesByAge	
nsMCNewsRemoveBodiesDays	
nsMCPlaySound	
nsMCPlaySound	
nsMCPop3GetsNewMail	
nsMCPopServer	
nsMCPopServerProperties	
nsMCPromptPurgeThreshold	
nsMCPurgeThreshold	
nsMCQuotedSize	
nsMCQuotedStyle	
nsMCReceiptRequestHeaderType	
nsMCRememberSelectedMessage	
nsMCReplyOnTop	
nsMCRequestReturnReceipt	

Allowed Attributes	Description
nsMCReuseMessageWindow	
nsMCSearchServer	
nsMCSearchSubFolders	
nsMCSkipDirectoryIfLocalMatchFound	
nsMCSmtpServer	
nsMCSmtpUserName	
nsMCSmtpUseSSL	
nsMCSpellCheckBeforeSend	
nsMCStrictlyMime	
nsMCUseAltMail	
nsMCUseAltMailForNews	
nsMCUseMapiServer	
nsMCWarnReplyUnencrypted	
nsMCWrapLength	
nsMCWrapLongLines	

nsPreferenceMap

Supported by

Netscape Mission Control Desktop

Netscape Directory Server 4.0

Definition

Superior Class

top

OID

Required Attributes	Description
objectClass	Specifies the objects for this object class.
Allowed Attributes	Description

Messaging Server Object Classes

mailGroup

Supported by

Netscape Messaging Server 3.x, 4.0

Netscape Directory Server 1.0, 3.x, 4.0

Definition

Object class used as an enhancement to groupOfUniqueNames to define a group of mail recipients. mailGroup is used to store Messaging Server mailing lists. This object class is a Netscape extension to the LDAP schema.

Superior Class

top

OID

2.16.840.1.113730.3.2.4

Required Attributes	Description
objectClass	Reserved.
mail	The group's electronic mailing address.
Allowed AttributeS	Description
cn (commonName)	The group's common name.
mailAlternateAddress	Alternate mail address for the group.
mailHost	Host on which the group's mail account resides.
mgrpAllowedBroadcaster	URL identifying a mail user that is allowed to send mail to the mail group.
mgrpAllowedDomain	Domain from which users can send mail to the mail group.
mgrpApprovePassword	When set, any message to the list requires "approved:(passwrđ)" in heading or on first line.

Allowed AttributeS	Description
mgrpBroadcasterPolicy	Policy for determining allowedBroadcaster.
mgrpDeliverException	DNs excluded from delivery to dynamic mail groups.
mgrpDeliverTo	Alternative method of identifying members of the mail group using LDAP search criteria.
mgrpErrorsTo	Mailing address to which mail delivery error messages are sent.
mgrpModerator	Mailing address to which rejected mail messages are sent.
mgrpMsgMaxSize	Maximum message size that can be sent to the mail group.
mgrpMsgRejectAction	Specifies the action to the taken in the event that mail sent to the mail group is rejected.
mgrpMsgRejectText	Text to be sent in the event that mail sent to the mail group is rejected.
mgrpNoDuplicateChecks	Prevents Messaging Server from checking for duplicate delivery of a message to members of the mailgroup.
mgrpRFC822MailMember	Members of the mail group that aren't in this directory (specified by mail address rather than DN).
owner	Distinguished name of the mail group's owner.

mailRecipient

Supported by

Netscape Messaging Server 3.x, 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used as an enhancement to inetOrgPerson to define a Netscape Messaging Server user. mailRecipient represents a mail account.

Superior Class

top

OID

2.16.840.1.113730.3.2.3

Required Attributes	Description
objectClass	Specifies the object classes of the object.
Allowed Attributes	Description
cn (commonName)	The user's common name.
mail	The user's primary mailing address.
mailAccessDomain	Domain from which the mail user can log in to obtain mail. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailAlternateAddress	Alternate mail addresses for the user..
mailAutoReplyMode	Auto reply mode set for the mail user. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailAutoReplyText	Auto-reply text. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)

Allowed Attributes	Description
mailDeliveryOption	Mail delivery mechanism to be used for the mail user. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailForwardingAddress	Mail address to which the user's mail should be forwarded. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailHost	Host on which the user's mail account resides.
mailMessageStore	Path to the directory containing the user's mail box. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailProgramDeliveryInfo	Commands used for programmed mail delivery. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailQuota	Disk space allowed for the user's mail box. (available in 3.x only; moved to nsMessagingServerUser for release 4.0)
mailRoutingAddress	Contains a routing address to use when forwarding this recipient to another mail server.

netscapeMessagingServer

Supported by

Netscape Messaging Server 3.x, 4.0

Netscape Directory Server 3.x

Definition

Stores information about the Netscape Messaging Server in the directory. Used to designate mail servers in the directory. Provides a password for authenticated SMTP login between servers. Replaced netscapeMailServer object class.

Superior Class

top

OID

Required Attribute	Description
objectClass	Reserved.

nsMessagingServerUser

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used as an enhancement to inetOrgPerson to define a Netscape Messaging Server user ([mailRecipient](#) is used to specify a user's mail account information).

Superior Class

top

OID

Required Attributes	Description
objectClass	Specifies the object classes of the object.
Allowed Attributes	Description
mailAccessDomain	Domain from which the mail user can log in to obtain mail.
mailAutoReplyMode	Auto reply mode set for the mail user.
mailAutoReplyText	Auto-reply text.
mailDeliveryOption	Mail delivery mechanism to be used for the mail user.
mailForwardingAddress	Mail address to which the user's mail should be forwarded.
mailMessageStore	Path to the directory containing the user's mail box (used in 3.x with mailRecipient ; moved to nsMessagingServerUser for release 4.0).
mailProgramDeliveryInfo	Commands used for programmed mail delivery.

Allowed Attributes	Description
mailQuota	Disk space allowed for the user's mail box.)
nsmgDisallowAccess	Limits the mail protocols available to the user. Available in release 4.1.
nswmExtendedUserPrefs	User preferences for Netscape Messenger Express.
vacationEndDate	The end of timed vacation messages. Available in release 4.1.
vacationStartDate	The start date of timed vacation messages. Available in release 4.1.

nsmsgCfgAlarm

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define a specific alarm configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the alarm configuration

Allowed Attributes	Description
nsmsgMsgAlarmDescription	alarm description
nsmsgMsgAlarmStatInterval	the alarm collection interval
nsmsgMsgAlarmThreshold	the alarm threshold
nsmsgMsgAlarmWarningInterval	interval to send repeated warning

nsmmsgCfgAlarmContainer

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define common alarm configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	comon name of the comon alarm configuration

Allowed Attributes	Description
nsmmsgAlarmNoticeHost	SMTP host to send warning to
nsmmsgAlarmNoticePort	SMTP port to send warning to
nsmmsgAlarmNoticeRcpt	recipient of warning notice
nsmmsgAlarmNoticeSender	warning sender
nsmmsgAlarmNoticeTemplate	warning notice template

nsmmsgCfgAlias

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Reserved for internal use. Used to define layout entry (in the resource tree) for the log file. Refer to entry under logfile.<logname>.

For example, there are many object class entries under cn=logfiles of type nsmmsgCfgAlias. These entries dictate the content or resource tree in the Messaging console. These entries use the nsmmsgAlias attribute to point to objects that contain logfile configuration. In this respect, nsmmsgCfgAlias acts like a symbolic link.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the alias configuration

Allowed Attributes	Description
nsmmsgAlias	defines the logname

nsmmsgCfgContainer

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Reserved for internal use.

Used to configure a server as a container node, a node in a configuration namespace. A container node is used to contain one or more object classes.

For example:

cn=primary, cn=partition, cn=store

Superior Class

top

OID

Required Attribute	Description
objectClass	the object classes of the object
cn (commonName)	common name of the container node configuration

nsmmsgCfgExpireRule

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define expiration rules for the Messaging Server.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the expiration rules

Allowed Attributes	Description
nsmmsgFolders	folders for which the rules apply
nsmmsgFolderSizeBytes	maximum bytes a folder may contain
nsmmsgMessageCount	maximum messages that can be stored in a folder
nsmmsgMessageDays	maximum days a message can be stored in a folder
nsmmsgMessageSize	maximum size of a single message
nsmmsgMessageSizeDays	

nsmmsgCfgGen

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to specify general configuration applicable to Messaging server as a whole.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the Messaging server configuration

Allowed Attributes	Description
nsmmsgAccountURL	the location of the server administration resource
nsmmsgConfigVersion	version (major.minor)
nsmmsgFilterUrl	URL for incoming mail filter
nsmmsgFolderURL	URL for personal management folder
nsmmsgInstalledLanguages	
nsmmsgListURL	URL for mailing list management
nsmmsgNewsPrefix	(MS 3.x only) specifies the NNTP newsgroup prefix
nsmmsgSiteLanguage	default language

nsmsgCfgIMAP

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define configuration related to the IMAP (Internet Messaging Access Protocol) server.

Superior Class

top

OID

Required Attributes

objectClass

Description

the object classes of the object

cn (commonName)

common name of the IMAP configuration

Allowed Attributes

Description

nsmsgAllowAnonymousLogin

permits anonymous login

nsmsgBanner

template for protocol welcome banner

nsmsgDomainAllowed

list of domain and IP addresses allowed

nsmsgDomainNotAllowed

list of domain and IP addresses not allowed

nsmsgEnable

used to start the server automatically

nsmsgSSLPort

used to start service automatically on SSL port

nsmsgIdleTimeout

the idle timeout

nsmsgMaxSessions

maximum sessions per server process

nsmsgMaxThreads

maximum threads per server process

nsmsgNumProcesses

Allowed Attributes	Description
nsmmsgPlainTextMinCipher	specifies plain text login for encrypted connection
nsmmsgPort	server port number
nsmmsgSSLPort	SSL port number
nsmmsgSSLUseSSL	used to disable SSL

nsmmsgCfgLog

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to specify the log configuration of imap, pop, smtp.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the log configuration

Allowed Attributes	Description
nsmmsgBufferSize	specifies the size of the log buffers
nsmmsgExpiryTime	specifies when logs expire
nsmmsgFlushInterval	specifies when log buffers are flushed to log files.
nsmmsgLogDir	directory path for log files
nsmmsgLogLevel	defines the level of activity to be received by logs
nsmmsgLogType	indicates the type of log file
nsmmsgMaxLogFiles	maximum number of log files

Allowed Attributes	Description
nsmgMaxLogFileSize	maximum log file size
nsmgMaxLogSize	minimum disk space available for logging
nsmgMinFreeDiskSpace	minimum amount of disk space required for logging
nsmgRolloverTime	interval between log file rollovers

nsmsgCfgMTA

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define configuration related to SMTP (Simple Mail Transfer Protocol) server.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the SMTP server configuration
Allowed Attributes	Description
nsmsgAltQueues	directory path for alternate queue directories
nsmsgAuthMailDomain	specifies domains where SMTP authentication is required
nsmsgBanner	protocol welcome banner
nsmsgClearControlInterval	no longer used
nsmsgClearControlSafeTime	no longer used
nsmsgCounterDeltaTime	internal counter collection time
nsmsgDefaultDomain	domain name for addresses without domains
nsmsgDeferredPeriod	the time between deferred queue checks

Allowed Attributes	Description
<code>nsmsgDoCanonicalize</code>	appends valid domain to envelope sender addresses without valid domain
<code>nsmsgDoClientDNSLookup</code>	used to look up hostname of calling server in DNS
<code>nsmsgDoDSN</code>	used to do delivery status notifications
<code>nsmsgDomainAllowed</code>	domain and IP addresses allowed
<code>nsmsgDomainLangTable</code>	maps domains to languages
<code>nsmsgDomainName</code>	domain name for the server
<code>nsmsgDomainNotAllowed</code>	domain and IP addresses not allowed
<code>nsmsgEnable</code>	used to start server or server subagent automatically
<code>nsmsgForeignPercentAddr</code>	used to accept recipient addresses in archaic form
<code>nsmsgLDAPPoolSize</code>	specifies the number of LDAP connections
<code>nsmsgLDAPUtilConfig</code>	unused
<code>nsmsgLocalDefaultMaxRunCount</code>	
<code>nsmsgLocalDefaultMinRunCount</code>	
<code>nsmsgMaxHeaderLines</code>	unused
<code>nsmsgMaxQueueTime</code>	maximum days to keep deferred mail
<code>nsmsgMessageHostName</code>	official hostname of the Messaging server
<code>nsmsgNetworkDefaultMaxRunCount</code>	unused
<code>nsmsgNetworkDefaultMinRunCount</code>	minimum number of threads for any local module
<code>nsmsgPlainTextMinCipher</code>	specifies plain text login for encrypted connection
<code>nsmsgPort</code>	server port number
<code>nsmsgReserved0</code>	reserved

Allowed Attributes	Description
nsmmsgReserved1	reserved
nsmmsgReserved2	reserved
nsmmsgReserved3	reserved
nsmmsgReserved4	reserved
nsmmsgReserved5	reserved
nsmmsgReserved6	reserved
nsmmsgReserved7	reserved
nsmmsgReserved8	reserved
nsmmsgReserved9	reserved
nsmmsgRoutStripIMAPFolders	used to strip IMAP folder names from receipt addresses
nsmmsgSSLUseSSL	used to disable SSL
nsmmsgSSLUseSSLRelay	

nsmmsgCfgMTAAccept

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP accept module configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the SMTP accept module configuration

Allowed Attributes	Description
nsmmsgAllowBDAT	used to accept BDAT commands from an SMTP caller
nsmmsgAllowEHLO	used to accept EHLO commands from an SMTP caller
nsmmsgAllowETRNL	used to accept ETRN commands from an SMTP caller
nsmmsgAllowEXPN	used to accept EXPN commands from an SMTP caller
nsmmsgAllowHELP	used to accept HELP commands from an SMTP caller

Allowed Attributes	Description
nsmgAllowONEX	used to accept ETRN commands from an SMTP caller
nsmgAllowSIZE	used to enable the SIZE extension in the "MAIL FROM:" header
nsmgAllowVERB	
nsmgAllowVRFY	used to accept VRFY commands from an SMTP caller
nsmgDoAUTH	used to accept AUTH commands from an SMTP server
nsmgHideHostname	used to require the addition of hostname to message ID
nsmgLog	used to log every message handled
nsmgMaxBadCommands	maximum number of bad commands that can be accepted
nsmgMaxMessageSize	maximum size of a message that may be contained in a folder
nsmgMaxRunCount	unused
nsmgMaxScriptSize	maximum script size
nsmgMinFreeDiskSpace	minimum amount of disk space required for logging
nsmgMinRunCount	number of threads to start for each module
nsmgNegativeHostAttr	attributes not allowed in a server LDAP entry
nsmgPositiveHostAttr	attributes required in a server LDAP entry

Allowed Attributes	Description
nsmgRequireCRLF	used in 3.x to to accept CRLF or CR to end lines (not used in 4.0)
nsmgTimeoutCommand	seconds to wait between commands
nsmgTimeoutData	maximum time to wait for each DATA line
nsmgVerifyRcpts	used to verify RCPTS in "Accept:"

nsmsgCfgMTAAutoReplyHandler

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP auto-reply module configuration.

Superior Class

top

OID

Required Attributes	Description
<code>objectClass</code>	the object classes of the object
<code>cn (commonName)</code>	common name of the SMTP auto-reply handler module configuration
Allowed Attributes	Description
<code>nsmsgDefaultEcho</code>	used for any accounts specifying mailAutoReplyType:
<code>nsmsgDefaultReply</code>	default reply text to be used for accounts where no auto-reply text has been specified
<code>nsmsgDefaultVacation</code>	default vacation message
<code>nsmsgLog</code>	used to specify that Messaging server will log every message handled
<code>nsmsgMaxRunCount</code>	unused
<code>nsmsgMaxScriptSize</code>	maximum script size
<code>nsmsgMinRunCount</code>	number of threads to start for this module

nsmmsgCfgMTAErrorHandler

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP error handler module configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the SMTP error handler module configuration.

Allowed Attributes	Description
nsmmsgFormSigKey	reserved for future use
nsmmsgHopCountExceedActions	specifies actions to take when a message exceeds the maximum number of server hop counts
nsmmsgLog	used to specify that Messaging server will log every message handled
nsmmsgMaxRunCount	unused
nsmmsgMaxScriptSize	maximum script size

Allowed Attributes	Description
nsmgMinRunCount	number of threads to start for this module
nsmgQuotaExceededActions	actions to take when a message exceeds the mail quota for a recipient
nsmgRenotifyInterval	unused
nsmgUnknownAcctsActions	actions to take when a message recipient is unknown

nsmmsgCfgMTALog

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the configuration for the SMTP handler module.

Superior Class

top

OID**Required Attributes**

objectClass

Description

the object classes of the object

cn (commonName)

common name of the SMTP handler module configuration

Allowed Attributes**Description**

nsmmsgLog

used to specify that Messaging server will log every message handled

nsmmsgMaxRunCount

unused

nsmmsgMaxScriptSize

maximum script size

nsmmsgMinRunCount

number of threads to start for this module

nsmmsgCfgMTAMboxDeliver

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP mailbox delivery module configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the SMTP mailbox delivery module configuration

Allowed Attributes	Description
nsmmsgLog	used to specify that Messaging server will log every message handled
nsmmsgMaxRunCount	unused
nsmmsgMaxScriptSize	maximum script size
nsmmsgMinRunCount	number of threads to start for this module

nsmmsgCfgMTAProgDeliver

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP program delivery module configuration.

Superior Class

top

OID

Required Attributes

objectClass	the object classes of the object
cn (commonName)	commonname of the program delivery module configuration

Allowed Attributes

Description	
the group user ID for root user program delivery	nsmmsgDefaultGID
the user ID for root user program delivery (unused in NT Delivery)	nsmmsgDefaultUID
used to specify that Messaging server will log every message handled	nsmmsgLog
unused	nsmmsgMaxRunCount
maximum script size	nsmmsgMaxScriptSize
number of threads to start for this module	nsmmsgMinRunCount

Allowed Attributes	Description
nsmmsgNTAccount	unused
nsmmsgNTPassword	unused
nsmmsgNTRunOptn	unused
nsmmsgShellPath	used to specify the location of Program-Deliver programs

nsmmsgCfgMTARouter

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP Router module configuration

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the SMTP router module configuration

Allowed Attributes	Description
nsmmsgAddDeliveredTo	appends the original address to the message header
nsmmsgDoRewriteFromUsingAuth	used to rewrite the "From:" field of the header to indicate the authenticated sender of the message
nsmmsgDoRewriteSenderUsingAuth	used to rewrite the "Sender:" field of the header to indicate the authenticated sender of the message
nsmmsgEnvelopeRewriteMethod	rules for rewriting recipient addresses that are forwarded to another server
nsmmsgFallbackSearchMethod	rules for alternate search methods used when attempting to lookup messaging recipients in LDAP
nsmmsgHostRewrites	host or domain used when forwarding messages that may contain lines with "\$" separators

Allowed Attributes	Description
nsmmsgLocalMailDomains	specifies domains considered local to the server
nsmmsgLog	used to specify that Messaging server will log every message handled
nsmmsgRecipients	maximum number of "Channel-To:" allowed in a control
nsmmsgMaxMTAHops	maximum number of MTA hops allowed before the Messaging server determines that the message is in a loop
nsmmsgMaxRunCount	unused
nsmmsgMinRunCount	number of threads to start for this module
nsmmsgNestedGroups	specifies whether nested dynamic mail groups are expanded
nsmmsgRewriteToCc	specifies the recipient types to attempt to rewrite
nsmmsgRoutingAttribute	attribute to be used when nsmmsgEnvelopeRewriteMethod includes ERM_ROUTING_ATTR
nsmmsgMaxRunCountDeferred	unused
nsmmsgSMTPRewriteStyle	specifies rewrite style used in Header rewrite of "From:", "To:", and "Cc:

nsmmsgCfMTASMTPLiver

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the SMTP delivery module configuration.

Superior Class

top

OID

Required Attributes

objectClass

Description

the object classes of the object

cn (commonName)

common name of the SMTP delivery module configuration

Allowed Attributes

nsmmsgAllowBareLF

Used in 3.x. Unused in Messaging server 4.0

nsmmsgAlwaysQueue

always queue outgoing messages

nsmmsgCheckDeferredQueue

instructs the MTA to determine if there are messages in queue waiting to be sent to a particular domain.

nsmmsgDoETRN

reserved for future use

nsmmsgExternalMXServerIP

list of DNS servers to attempt to use

nsmmsgInternalMXServerIP

internal list of DNS servers to use before attempting to use external DNS servers

nsmmsgLog

used to specify that Messaging server will log every message handled

Allowed Attributes	Description
nsmgMaxRunCount	unused
nsmgMaxScriptSize	maximum script size
nsmgMinRunCount	number of threads to start for this module
nsmgTimeoutData	maximum time to wait for each DATA line
nsmgTimeoutDataDot	maximum time to wait for reply to final
nsmgTimeoutDataSend	maximum time to wait between DATA lines
nsmgTimeoutGreet	maximum time to wait for reply to initial greeting
nsmgTimeoutHELO	maximum time to wait for reply to HELO
nsmgTimeoutMail	maximum time to wait for reply to MAIL
nsmsTimeOutQuit	maximum time to wait for reply to QUIT
nsmgTimeoutRcpt	maximum time to wait for reply to RCPT
nsmgTimeoutRset	maximum time to wait for reply to RSET
nsmgUseMX	used to specify that MX records are used when looking up an SMTP client domain in DNS

nsmmsgCfgMTAUnixDeliver

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the UNIX delivery module configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the UNIX delivery module configuration
Allowed Attributes	Description
nsmmsgDefaultGID	the group user ID for root user program delivery
nsmmsgDefaultUID	the user ID for root user program delivery (unused in NT Delivery)
nsmmsgFileMode	unused in 4.0
nsmmsgLog	used to specify that Messaging server will log every message handled
nsmmsgMailDeliveryProgram	default program to run for UNIX-Deliver type deliveries
nsmmsgMaxRunCount	unused
nsmmsgMaxScriptSize	maximum script size

Allowed Attributes	Description
nsmgMinRunCount	number of threads to start for this module
nsmgNeedSender	used to append message (envelope) sender to the UNIX mail command as a parameter
nsmgStripCR	used to convert end-of-line messages to be delivered (in Unix-Deliver) from CR/LF to LF
nsmgSystemMailDir	unused in 4.0

nsmmsgCfgNNTP

Supported by

Netscape Messaging Server 3.x

Netscape Directory Server 3.x, 4.0

Definition

Unused in Messaging Server 4.0. In Messaging Server 3.x, used to define Collabra server configuration related to NNTP (Network News Transfer Protocol).

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the NNTP configuration
Allowed Attributes	Description
nsmmsgBanner	protocol welcome banner
nsmmsgDomainAllowed	domain and IP addresses allowed
nsmmsgDomainNotAllowed	domain and IP addresses not allowed
nsmmsgEnable	used to start the server (or server subagent) automatically
nsmmsgSSLPort	used to automatically start service on SSL port
nsmmsgNewsPrefix	in 3.x, specifies the NNTP Newsgroup prefix (unused in 4.0)
nsmmsgNewsSpool	In 3.x, specifies the NNTP spool directory (unused in 4.0)

Allowed Attributes	Description
nsmmsgPartition	identifies the partition in which the folder resides
nsmmsgPlainTextMinCipher	specifies plain text login for encrypted connection
nsmmsgPort	port number for the server
nsmmsgSSLPort	SSL port number
nsmmsgSSLUseSSL	used to disable SSL

nsmsgCfgPartition

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define a partition.

Superior Class

top

OID**Required Attributes**

objectClass

cn (commonName)

Description

the object classes of the object

common name of the partition

Allowed Attributes

nsmsgPath

Description

the partition path

nsmsgCfgPOP

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define configuration related to a POP (Post Office Protocol) server.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the POP server configuration
Allowed Attributes	Description
nsmsgAllowAnonymousLogin	used to allow anonymous login
nsmsgBanner	protocol welcome banner
nsmsgDomainAllowed	domains allowed
nsmsgDomainNotAllowed	domains not allowed
nsmsgEnable	used to start the server (or server subagent) automatically
nsmsgIdleTimeout	idle timeout
nsmsgMaxSessions	maximum number of threads per server process
nsmsgMaxThreads	maximum number of threads per server process
nsmsgNumProcesses	

Allowed Attributes	Description
nsmmsgPlainTextMinCipher	specifies plain text login for encrypted connection
nsmmsgPOPMinPoll	minimum interval for client polling
nsmmsgRenotifyInterval	unused
nsmmsgSSLUseSSL	used to disable SSL

nsmsgCfgPublic

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Unused object class.

Superior Class

top

OID**Required Attributes****Description**

`objectClass`

the object classes of the object

`cn (commonName)`

common name

nsmmsgCfgReport

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Unused object class.

Superior Class

top

OID**Required Attributes****Description**

`objectClass`

the object classes of the object

`cn (commonName)`

common name

nsmmsgCfgScript

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Unused object class.

Superior Class

top

OID

Required Attributes	Description
<code>objectClass</code>	the object classes of the object
<code>cn (commonName)</code>	common name
Allowed Attributes	Description
<code>nsmmsgBinaryPath</code>	the directories containing binaries
<code>nsmmsgEnable</code>	used to start the server (or server subagent) automatically
<code>nsmmsgLogLevel</code>	specifies the level of activity to be recorded by logs
<code>nsmmsgMaxBranches</code>	maximum number of branches
<code>nsmmsgMaxCPUTime</code>	maximum cpu time per execution
<code>nsmmsgMaxErrorObjectSize</code>	maximum error object size
<code>nsmmsgMaxScriptSize</code>	maximum script size
<code>nsmmsgMaxStateObjectSize</code>	maximum state object size

nsmmsgCfgService

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to define the messaging service container.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the messaging service container
Allowed Attributes	Description
nsmmsgAuthCacheSize	size of the login cache
nsmmsgAuthCacheTTL	cache entry TTL
nsmmsgDNSResolveClient	used to indicate that host for the reverse name lookup client is used
nsmmsgLDAPBaseDN	the base DN for all searches in the Directory server
nsmmsgLDAPBindCred	the bind credential used in binding to the LDAP server
nsmmsgLDAPBindDN	the bind DN for the Directory Server
nsmmsgLDAPHost	the hostname(s) of the LDAP server for user lookup
nsmmsgLDAPMemCache	used to enable or disable LDAP SDK memcache feature

Allowed Attributes	Description
nsmgLDAPMemCacheSize	the cache size
nsmgLDAPMemCacheTtl	the length of time the entry may live
nsmgLDAPPort	LDAP port
nsmgLDAPUseSSL	indicates whether SSL (Secure Socket Layer) communications should be used to connect to the server
nsmgListenAddr	IP address and hostname to listen o
nsmgPlainTextLoginPause	the duration of pause following successful clear login
nsmgReadTimeout	the period of time permitted to get the hello string and the reply of the config refresh command
nsmgSSLPasswdFile	the password for each key file

nsmsgCfgSNMP

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to specify the settings for SNMP (Simple Network Management Protocol)

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the SNMP settings
Allowed Attributes	Description
nsmsgCollectionDeltaTime	how often the SNMP server collects data
nsmsgContact	information describing a contact person
nsmsgDescription	information about the server
nsmsgEnable	used to start the server (or server subagent) automatically
nsmsgLocation	location of the server
nsmsgMasterHost	the SNMP master agent hostname, in the form of a DNS name
nsmsgMasterPort	port number of the SNMP master agent

Allowed Attributes	Description
nsmmsgMTAID	reserved for internal use
nsmmsgMTAName	the name of the MTA, when no name is specified
nsmmsgOrganization	the name of the organization
nsmmsgVersion	reserved for internal use

nsmmsgCfgStore

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Used to store message store configuration.

Superior Class

top

OID

Required Attributes	Description
objectClass	the object classes of the object
cn (commonName)	common name of the message store configuration
Allowed Attributes	Description
nsmmsgAdmins	list of userids that have administration access
nsmmsgDefaultACL	default ACL for the Collabra folder
nsmmsgDefaultMailboxQuota	mailbox quota for all users who don't have a mailQuota attribute in their entry
nsmmsgDefaultPartition	the default partition (applicable only for the Inbox)
nsmmsgDiskFlushInterval	interval for flushing buffers to log files
nsmmsgExpireStart	start every day for cleanup and expire

Allowed Attributes	Description
nsmgQuotaExceededMsg	message to be sent to the user when quota exceeds what is specified in store
nsmgQuotaExceededMsgInterval	the interval to wait before sending another quota-exceeded message
nsmgQuotaWarn	warning to client when quota exceeds the level specified
nsmgUmask	not configurable

nsmmsgCfgUser

Supported by

Netscape Messaging Server 4.0

Netscape Directory Server 3.x, 4.0

Definition

Unused object class.

Superior Class

top

OID**Required Attributes****Description**

`objectClass`

the object classes of the object

`cn (commonName)`

common name

Attribute Listings

A

abstract

Origin

LDAP

Definition

Provides an abstract of a document entry.

For example:

abstract:

Syntax

cis

OID

accountUnlockTime

Origin

Netscape Directory Server

Definition

Defines, in seconds, the time until a user's account is unlocked after a specified number of failed attempts to bind to the directory.

For example:

```
accountUnlockTime: 600
```

Syntax

cis (operational)

OID

2.16.840.1.113730.3.1.95

aci

Origin

Netscape Directory Server

Definition

Stores the directory server access control information for this entry.

For example:

```
aci: (target="ldap:///o=Airius.com")(version 3.0;  
acl "anonymous access"; allow (read, search, compare)  
userdn=ldap:///self;)
```

Syntax

bin

OID

2.16.840.1.113730.3.1.55

administratorContactInfo

Origin

Netscape Directory Server

Definition

Provides a URL to information about the person responsible for administering the Netscape server. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

Syntax

cis

OID

2.16.840.1.113730.3.1.74

adminUrl

Origin

Netscape Directory Server

Definition

Provides the URL to the administration server through which you can manage the Netscape server. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

For example:

adminUrl: http://twain.airius.com:2468

Syntax

ces

OID

2.16.840.1.113730.3.1.75

aliasedObjectName

Origin

LDAP

Definition

Used by the directory server to identify alias entries in the directory. Contains the distinguished name of the entry for which it is an alias.

For example:

aliasedObjectName: *cn=jdoe, o=Airius.com*

Syntax

dn

OID

2.5.4.1

altServer

Origin

LDAP

Definition

Identifies URLs of other server that may be contacted when the server becomes unavailable. When the server does not know of any other servers, this attribute is absent. Clients may want to cache this information, for reference in case the preferred LDAP server becomes unavailable.

For example:

```
altServer: ldap://directory.Airius.com:389/0=Airius.com
```

Syntax

ces

OID

1.3.6.1.4.1.1466.101.120.6

archiveFile

Origin

Netscape Directory Server

Definition

The pathname of a file, into which is written a copy of each message sent to this group.

For example:

archiveFile:

Syntax

ces

OID

2.16.840.1.113730.3.1.24

associatedDomain

Origin

Definition

Specifies a DNS domain associated with an object in the directory tree. For example, the entry in the directory tree with a distinguished name "C=US, O=Airius Corporation" would have an associated domain of "AC.US. Note that all domains should be represented in rfc822 order.

For example:

```
associatedDomain: US
```

Syntax

cis

OID

0.9.2342.19200300.100.1.37

associatedName

Origin

Definition

Specifies an entry in the organizational directory tree associated with a DNS domain.

For example:

associatedName: *c=us*

Syntax

dn

OID

0.9.2342.19200300.100.1.38

attributeTypes

Origin

LDAP

Definition

Operational, multi-valued attribute that specifies the attribute types used within a subschema. Each value describes a single attribute.

For example:

attributeTypes: (2.5.4.18 NAME 'postOfficeBox' DESC 'Standard Attribute'
SYNTAX '1.3.6.1.4.1.1466.115.121.1.18')

Syntax

cis (operational)

OID

2.5.21.5

audio

Origin

Definition

Contains a sound file in binary format. The attribute uses a u-law encoded sound file.

For example:

audio: AAAAAA==

Syntax

bin

OID

0.9.2342.19200300.100.1.55

authorCn

Origin

Definition

Contains the common name of the author of a document entry.

For example:

authorCn: Kacey

Syntax

cis

OID

authorSn

Origin

Definition

Contains the surname of the author of a document entry.

For example:

authorSn: Doe

Syntax

cis

OID

authorityRevocationList

Origin

LDAP

Definition

Contains a list of CA certificates that have been revoked. Should only be used with the binary subtype, authorityRevocationList;binary.

For example:

authorityrevocationlist;binary: AAAAAA==

Syntax

bin

OID

2.5.4.38

automountInformation

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.

Syntax

ces

OID

1.3.6.1.1.1.1.25

B

bootFile

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Identifies the boot image name.

For example:

bootImage:

Syntax

ces

OID

1.3.6.1.1.1.1.24

bootParameter

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service, `rpc.bootparamd` parameter.

where:

- `bootparameter` = key "=" server ":" path
- `bootparameter` = key "=" server ":" path
- `key` = keystore
- `server` = keystore
- `path` = keystore

X.500 servers may use the following representation of the above syntax:

```
bootParameterSyntax ::= SEQUENCE { key IA5String, server  
IA5String, path IA5String }
```

Values adhering to these syntaxes are encoded as strings by LDAP servers.

Syntax

ces

OID

1.3.6.1.1.1.1.23

buildingName

Origin

Definition

Defines the building name associated with the entry.

For example:

buildingName: 14

Syntax

cis

OID

0.9.2342.19200300.100.1.48

businessCategory

Origin

LDAP

Definition

Identifies the type of business in which the entry is engaged. This should be a broad generalization such as is made at the corporate division level.

For example:

```
businessCategory: Engineering
```

Syntax

cis

OID

2.5.4.15

C

c (countryName)

Origin

LDAP

Definition

Contains the two-character code representing country names, as defined by ISO, in the directory.

For example:

countryName: IE

or

c: IE

Syntax

OID

2.5.4.6

cACertificate

Origin

LDAP

Definition

Contains the CA's certificate. This attribute is stored and requested in the binary form, cACertificate;binary.

For example:

cacertificate;binary: AAAAAA==

Syntax

bin

OID

2.5.4.37

carLicense

Origin

Definition

Identifies the entry's automobile license plate number.

For example:

carLicense: 6ABC246

Syntax

cis

OID

2.16.840.1.113730.3.1.1

certificateRevocationList

Origin

Definition

Contains a list of revoked user certificates. This attribute is stored and requested in the binary form, `certificateRevocationList;binary`.

For example:

```
certificateRevocationList;binary: AAAAAA==
```

Syntax

bin

OID

2.5.4.39

changeLog

Origin

Netscape Directory Server

Definition

Contains the distinguished name of the container object that holds change log records for the directory server. Maintained in the root DSE.

For example:

changeLog: cn=changelog

Syntax

dn

OID

2.16.840.1.113730.3.1.35

changeLogMaximumAge

Origin

Netscape Directory Server (version 1.0 only)

Definition

Specifies, in seconds, the maximum age for entries in the change log. Entries are discarded once they become older than the maximum age specified.

For example:

```
changeLogMaximumAge: 86000
```

Syntax

cis

OID

2.16.840.1.113730.3.1.200

changeLogMaximumSize

Origin

Netscape Directory Server (version 1.0 only)

Definition

Specifies, in bytes, the maximum size for the change log file. Entries are discarded from this file once it reaches the maximum size.

For example:

changeLogMaximumSize: 2400000

Syntax

dn

OID

2.16.840.1.113730.3.1.201

changeNumber

Origin

Netscape Directory Server

Definition

Contains the change number of the entry as assigned by the supplier server. Must be the string representation of an integer.

For example:

changeNumber: 1037

Syntax

cis

OID

2.16.840.1.113730.3.1.5

changes

Origin

Netscape Directory Server

Definition

Reserved for future use. Defines changes made to a directory server. These changes are in LDIF format. Since the changes attribute contains embedded new lines, the LDIF representation of a changes attribute will be base-64 encoded.

Syntax

bin

OID

2.16.840.1.113730.3.1.8

changeTime

Origin

Netscape Directory Server

Definition

Defines a time, in YYYYMMDDHHMMSS format , when the entry was added, deleted, or modified.

For example:

changeTime: 19991011112318

Syntax

cis

OID

2.16.840.1.113730.3.1.77

changeType

Origin

Netscape Directory Server

Definition

Describes the type of change performed on an entry. Accepted values include:

- add
- delete
- modify
- modrdn

For example:

changeType: modify

Syntax

cis

OID

cis

cirBeginORC

Origin

Netscape Directory Server

Definition

Determines whether the consumer server should erase the contents of its directory before replication. If no value exists for this attribute, the consumer will not erase the contents.

Possible values include:

- start: tells the consumer server to erase the directory
- stop: tells the consumer server to abort the operation.

Syntax

cis

OID

2.16.840.1.113730.3.1.90

cirBindCredentials

Origin

Netscape Directory Server

Definition

Contains the credentials used by the consumer in consumer-initiated replication (CIR) to connect to the supplier server.

For example:

cirBindCredentials: secret

Syntax

ces

OID

2.16.840.1.113730.3.1.85

cirBindDn

Origin

Netscape Directory Server

Definition

Contains the distinguished name used by the consumer in consumer initiated replication (CIR) when binding to the supplier server.

For example:

cirBindDn: cn=Replication Manager

Syntax

dn

OID

2.16.840.1.113730.3.1.82

cirHost

Origin

Netscape Directory Server

Definition

Contains the hostname of the CIR supplier for the replication agreement.

For example:

`cirHost: earth.airius.com`

Syntax

`cis`

OID

`2.16.840.1.113730.3.1.80`

cirLastUpdateApplied

Origin

Netscape Directory Server

Definition

Contains the change number of the last change successfully retrieved and applied to a CIR consumer.

For example:

cirLastUpdateApplied: 1019

Syntax

cis

OID

2.16.840.1.113730.3.1.86

cirPort

Origin

Netscape Directory Server

Definition

Contains the port number of the supplier server.

For example:

cirPort: 389

Syntax

cis

OID

2.16.840.1.113730.3.1.81

cirReplicaRoot

Origin

Netscape Directory Server

Definition

Root of the subtree on the supplier server to be replicated on the consumer.
For example:

cirReplicaRoot: ou=people, o=airius.com

Syntax

dn

OID

2.16.840.1.113730.3.1.79

cirSyncInterval

Origin

Netscape Directory Server

Definition

Periodically, the consumer server queries the supplier to find out if any changes have been made to the replicated portion of the directory. This attribute defines, in seconds, the interval between consumer queries of the supplier server.

For example:

cirSyncInterval: 3600

Syntax

cis

OID

2.16.840.1.113730.3.1.89

cirUpdateFailedat

Origin

Netscape Directory Server

Definition

Timestamp of the last failed update attempt.

For example:

cirUpdateFailedat: 19891027170401

Syntax

cis

OID

2.16.840.1.113730.3.1.88

cirUpdateSchedule

Origin

Netscape Directory Server

Definition

Defines the hours between which replication can occur.

For example:

`cirUpdateSchedule: 0100-0400`

represents 1:00 AM - 4:00 AM, daily

`cirUpdateSchedule: * 06`

represents all day Saturday and Sunday

`cirUpdateSchedule: 1145-1300 24`

represents 11:45 AM -1:00 PM, Tuesday and Thursday

Syntax

cis

OID

2.16.840.1.113730.3.1.87

cirUsePersistentSearch

Origin

Netscape Directory Server

Definition

Unimplemented in DS 4.0. Accepted values:

- 0: false
- 1: true

For example:

cirUsePersistentSearch: 0

Syntax

cis

OID

2.16.840.1.113730.3.1.83

cirUseSsl

Origin

Netscape Directory Server

Definition

Determines whether SSL should be used during consumer initiated replication. Accepted values:

- 0: do not use SSL
- 1: use SSL

For example:

```
cirUseSsl: 0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.84

cn (commonName)

Origin

LDAP

Definition

Identifies the name an object in the directory. When the object corresponds to a person, the cn it is typically the person's full name.

When in reference to the LDAPReplica or LDAPServer object classes, it identifies the converted DNS name of the server and root of the replicated directory tree into distinguished name format.

When identifying the entry's common name or full name:

commonName: Bill Anderson

or

cn: Bill Anderson

When in reference to LDAPReplica or LDAPServer object classes:

commonName: replicater.netscape.com:17430/o%3Dairius%2Cc%3us

or

cn: replicater.netscape.com:17430/o%3Dairius%2Cc%3us

Syntax

cis (1-many)

OID

2.5.4.3

co (countryName)

Origin

LDAP

Definition

Contains the name of a country. Often, the country attribute is used to describe a two-character code for a country, and the friendlyCountryName attribute is used to describe the actual country name.

For example:

```
friendlyCountryName: Ireland countryName: IE
```

or

```
co: Ireland
```

Syntax

cis

OID

0.9.2342.19200300.100.1.43

createTimestamp

Origin

LDAP

Definition

Contains the time the entry was created in GMT (Greenwich Mean Time) format. When the Track Modification Time parameter is set to on, the server adds this attribute to an entry when it is created.

For example:

```
createTimestamp:19980514064150Z
```

Syntax

cis

OID

2.5.18.1

creatorsName

Origin

LDAP

Definition

Contains the DN of the creator of an entry. When the Track Modification Time parameter is set to on, this attribute is added to an entry when it is created.

For example:

```
creatorsName:cn=jdoe, oo=people, =airius.com
```

Syntax

dn

OID

2.5.18.3

crossCertificatePair

Origin

LDAP

Definition

This attribute is stored and requested in the binary form, as `crossCertificatePair;binary`.

For example:

```
crosscertificatepair;binary: AAAAAA==
```

Syntax

bin

OID

2.5.4.40

D

dc (domainComponent)

Origin

LDAP

Definition

Specifies one component of a domain name.

For example:

domainComponent: airius

or

dc: airius

Syntax

cis

OID

0.9.2342.19200300.100.1.25

deleteOldRdn

Origin

Netscape Directory Server

Definition

A flag that defines whether the old RDN of the entry should be retained as a distinguished attribute of the entry, or should be deleted. Accepted values include:

- False: indicates that the RDN should be retained as a distinguished attribute.
- True: indicates that it should not be retained as a distinguished attribute of the entry.

The RDN will be retained as a distinguished attribute if an illegal value are present or no value is provided).

Syntax

cis

OID

2.16.840.1.113730.3.1.10

deltaRevocationList

Origin

LDAP

Definition

This attribute is to be stored and requested in the binary form, as deltaRevocationList;binary. Reserved for future use.

Syntax

bin

OID

2.5.4.53

departmentNumber

Origin

Netscape Directory Server

Definition

Identifies the entry's department number

For example:

departmentNumber: 2604

Syntax

cis

OID

2.16.840.1.113730.3.1.2

description

Origin

LDAP

Definition

Provides a human-readable description of the object. For people and organizations this often includes their role or work assignment.

For example:

```
description: Quality control inspector for the ME2873 product line
```

Syntax

cis

OID

2.5.4.13

destinationIndicator

Origin

LDAP

Definition

The country and city associated with the entry needed to provide Public Telegram Service. Generally used in conjunction with [registeredAddress](#).

For example:

destinationIndicator: Stow, Ohio, USA

Syntax

cis

OID

2.5.4.27

displayName

Origin

Netscape Directory Server 4.0

Definition

Preferred name of a person to be used when displaying entries. Especially useful in displaying a preferred name for an entry within a one-line summary list. Since other attribute types, such as cn, are multivalued, they can not be used to display a preferred name.

For example:

```
displayName: Michigan Smith
```

Syntax

cis

OID

2.16.840.1.113730.3.1.241

distinguishedName

Origin

X.500

Definition

Not relevant to LDAP.

Syntax

dn

OID

2.5.4.49

dITContentRules

Origin

X.500

Definition

Not relevant to LDAP.

Syntax

cis (operational)

OID

2.5.21.2

dITRedirect

Origin

Definition

Used to indicate that the object described by one entry now has a newer entry in the directory tree. This attribute may be used when an individual's place of work changes, and the individual acquires a new organizational DN.

For example:

```
ditRedirect: cn=jdoe, o=airius.com
```

Syntax

dn

OID

OID: 0.9.2342.19200300.100.1.54

dITStructureRules

Origin

X.500

Definition

Not relevant to LDAP

Syntax

cis (operational)

OID

2.5.21.1

dmdName

Origin

X.500

Definition

Not relevant to LDAP.

Syntax

cis

OID

2.5.4.53

dn

Origin

Netscape Directory Server

Definition

Defines the distinguished name (dn) for the entry.

For example:

dn: *cn=Jane Doe, ou=Quality Control, o=airius.com*

Syntax

dn

OID

2.5.4.49

dNSRecord

Origin

Definition

Specifies DNS resource records; including, type A (Address), type MX (Mail Exchange), type NS (Name Server), and type SOA (Start Of Authority) resource records.

For example:

```
dNSRecord: IN NS ns.uu.net
```

Syntax

cis

OID

0.9.2342.19200300.100.1.26

dnQualifier

Origin

LDAP

Definition

Adds information to the relative distinguished name of an entry. Useful when merging data from multiplesources in order to prevent conflicts between entries that would otherwise have the same name. It is recommended that the value of the dnQualifier attribute be the same for all entries from a particular source.

For example:

dnQualifier:

Syntax

cis

OID

2.5.4.46

documentAuthor

Origin

Definition

Contains the distinguished name of the author of a document entry.

For example:

documentAuthor: *cn=John Doe, o=Airius.com*

Syntax

dn

OID

0.9.2342.19200300.100.1.14

documentIdentifier

Origin

Definition

Specifies a unique identifier for a document.

For example:

```
documentIdentifier: L3204REV1
```

Syntax

cis

OID

0.9.2342.19200300.100.1.11

documentLocation

Origin

Definition

Defines the location of the original copy of a document entry.

For example:

documentLocation: Department Library

Syntax

cis

OID

0.9.2342.19200300.100.1.15

documentPublisher

Origin

Definition

The person and/or organization that published a document.

For example:

documentPublisher: Southeastern Publishing

Syntax

cis

OID

0.9.2342.19200300.100.1.56

documentStore

Origin

Definition

Defines the *** of a document.

For example:

documentStore:

Syntax

cis

OID

documentTitle

Origin

Definition

Contains the title of a document entry.

For example:

documentTitle: Directory Administrator's Guide

Syntax

cis

OID

0.9.2342.19200300.100.1.12

documentVersion

Origin

Definition

Defines the version of a document entry.

For example:

```
documentVersion: 1.1
```

Syntax

cis

OID

0.9.2342.19200300.100.1.13

drink

Origin

Definition

Describes favorite drink of a person entry.

For example:

drink: soda

or

favouriteDrink: soda

Syntax

cis

OID

0.9.2342.19200300.100.1.5

dSAQuality

Origin

Definition

Undefined.

For example:

dSAQuality:

Syntax

cis (single)

OID

0.9.2342.19200300.100.1.49

E

employeeNumber

Origin

Netscape Directory Server

Definition

Identifies the entry's employee number.

For example:

employeeNumber: 3440

Syntax

cis

OID

2.16.840.1.113730.3.1.3

employeeType

Origin

Netscape Directory Server

Definition

Identifies the entry's type of employment.

For example:

employeeType: Full time

Syntax

cis

OID

2.16.840.1.113730.3.1.4

enhancedSearchGuide

Origin

LDAP

Definition

Used by X.500 clients when constructing search filters.

For example:

enhancedSearchGuide:

Syntax

cis

OID

2.5.4.47

F

fax (facsimileTelephoneNumber)

Origin

LDAP

Definition

Identifies the fax number at which the entry can be reached. Abbreviation: fax
For example:

```
facsimileTelephoneNumber: 415-555-1212
```

or:

```
fax: 415-555-1212
```

Syntax

tel (multi-valued)

OID

2.5.4.23

filterInfo

Origin

Netscape Directory Server

Definition

Used by the changeLogEntry for replication.

For example:

```
filterinfo:
```

Syntax

```
cis
```

OID

```
2.16.840.1.113730.3.1.206
```

G

gecos

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Indicates the GECOS field; the common name.

For example:

gecos:

Syntax

cis (single)

OID

1.3.6.1.1.1.1.2

generation

Origin

Definition

Identifies a byte vector assigned to the server to distinguish it from any other generation or version of the server. The generation attribute is used only for replica synchronization.

For example:

```
generation: 19990214130215
```

Syntax

ces

OID

generationQualifier

Origin

LDAP

Definition

Contains the generation Qualifier part of the name, typically appearing in the suffix.

For example:

generationqualifier:III

Syntax

cis

OID

2.5.4.44

gidNumber

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. An integer uniquely identifying a group in an administrative domain.

For example:

gidNumber:

Syntax

int (single)

OID

1.3.6.1.1.1.1.1

givenName

Origin

LDAP

Definition

Identifies the entry's given name, usually a person's first name.

For example:

givenName: Hecuba

Syntax

cis

OID

2.5.4.42

groupPassword

Origin

Definition

Identifies a group's password in binary form.

For example:

groupPassword:

Syntax

bin

OID

2.16.840.1.113730.3.1.27

H

homeDirectory

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Identifies the absolute path to the home directory.

For example:

homeDirectory:

Syntax

ces (single)

OID

1.3.6.1.1.1.1.3

homePhone

Origin

Definition

Identifies the entry's home phone number.

For example:

homeTelephoneNumber: 415-555-1212

or

homePhone: 415-555-1234

Syntax

tel

OID

0.9.2342.19200300.100.1.20

homePostalAddress

Origin

Definition

Identifies the entry's home mailing address. This field is intended to include multiple lines, but each line within the entry should be separated by a dollar sign (\$). To represent an actual dollar sign (\$) or backslash (\) within this text, use the escaped hex values \24 and \5c respectively.

To identify an entry's homemailing address:

```
homePostalAddress: 1234 Ridgeway Drive$Santa Clara, CA$99555
```

Additionally, to represent the string:

The dollar (\$) value can be found
in the c:\cost file.

provide the string:

The dollar (\24) value can be found\$in the c:\5ccost file.

Syntax

cis

OID

0.9.2342.19200300.100.1.39

host

Origin

Definition

Defines the hostname of a computer.

For example:

host: mozilla

Syntax

cis

OID

0.9.2342.19200300.100.1.9

houseIdentifier

Origin

LDAP

Definition

Identifies a building in a location.

For example:

houseIdentifier: B105

Syntax

cis

OID

2.5.4.51

I

info

Origin

Definition

The Information attribute type specifies any general information pertinent to an object. It is recommended that specific usage of this attribute type is avoided, and that specific requirements are met by other (possibly additional) attribute types.

For example:

```
info: not valid
```

Syntax

cis

OID

0.9.2342.19200300.100.1.4

initials

Origin

LDAP

Definition

Identifies the entry's initials. Does not identify the entry's surname.

For example:

initials: BFA

Syntax

ci

OID

2.5.4.43

installationTimeStamp

Origin

Netscape Directory Server

Definition

Identifies the date and time in zulu format when the Netscape server was installed. This attribute is used by the netscapeServer object class. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

For example:

```
installationTimeStamp: 199703261517z
```

Syntax

cis

OID

2.16.840.1.113730.3.1.73

internationalIsdnNumber

Origin

LDAP

Definition

Contains the ISDN number of the entry. This is in the internationally agreed format for ISDN addresses given in CCITT Rec. E. 164.

For example:

```
internationalIsdnNumber:
```

Syntax

ces

OID

2.5.4.25

ipHostNumber

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Specifies the IP address as a dotted decimal, omitting leading zeros

For example:

`ipHostNumber:192.168.1.1`

Syntax

cis

OID

1.3.6.1.1.1.1.19

ipNetmaskNumber

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Specifies the IP netmask as a dotted decimal (for example, 255.255.255.0), omitting leading zeros.

For example:

ipNetmaskNumber:

Syntax

cis (single)

OID

1.3.6.1.1.1.1.21

ipNetworkNumber

Origin

LDAP (RC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Specifies the IP network as a dotted decimal (for example, 192.168), omitting leading zeros.

For example:

ipNetworkNumber:

Syntax

cis (single)

OID

1.3.6.1.1.1.1.20

ipProtocolNumber

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.
For example:

ipProtocolNumber:

Syntax

cis (single)

OID

1.3.6.1.1.1.1.17

ipServicePort

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.
For example:

ipServicePort:

Syntax

cis (single)

OID

1.3.6.1.1.1.1.15

ipServiceProtocol

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.
For example:

ipServiceProtocol:

Syntax

cis

OID

1.3.6.1.1.1.1.16

J

janetMailbox

Origin

Definition

Specifies an email address. This attribute is intended for the convenience of U.K users unfamiliar with rfc822 mail addresses. Entries using this attribute must also include an rfc822Mailbox attribute.

For example:

```
janetMailbox: jdoe@airius.com
```

Syntax

cis

OID

0.9.2342.19200300.100.1.46

jpegPhoto

Origin

Definition

Contains a JPEG photo of the entry.

For example:

```
jpegPhoto: AAAAAA==
```

Syntax

bin

OID

0.9.2342.19200300.100.1.60

K

keyWords

Origin

Definition

Contains keywords for the entry.

For example:

```
keyWords: directory LDAP X.500
```

Syntax

cis

OID

knowledgeInformation

Origin

LDAP

Definition

This attribute is not used by LDAPv3.

For example:

knowledgeInformation:

Syntax

cis

OID

2.5.4.2

L

I (localityName)

Origin

LDAP

Definition

Identifies the county, city, or other geographical area in which the entry is located or in some other way associated with.

For example:

```
localityName: Santa Clara
```

or

```
l: Santa Clara
```

Syntax

cis

OID

2.5.4.7

labeledURL

Origin

Definition

Specifies a Uniform Resource Identifier (URI) that is relevant in some way to the entry. Values placed in the attribute should consist of a URI (currently only URLs are supported) optionally followed by one or more space characters and a label.

For example:

labeledURI: `http://home.netscape.com`

Syntax

ces

OID

1.3.6.1.4.1.250.1.57

labeledUrl

Origin

Netscape Messaging Server

Definition

Specifies a Uniform Resource Locator (URL) that is an additional source of information.

For example:

labeledURL: `http://home.netscape.com`

Syntax

ces (0-many)

OID

lastModifiedBy

Origin

Definition

Specifies the distinguished name of the last user to modify the associated entry.

For example:

```
lastModifiedby: cn=Jane Doe, ou=Quality Control, o=Airius.com
```

Syntax

dn

OID

0.9.2342.19200300.100.1.24

lastModifiedTime

Origin

Definition

Defines the last time, in UTC format, that a change was made to the entry.
For example:

lastModifiedTime: Thursday, 22-Sep-93 14:15:00 GMT

Syntax

cis

OID

0.9.2342.19200300.100.1.23

IdapSyntaxes

Origin

Definition

Undefined.

For example:

IdapSyntaxes:

Syntax

cis

OID

1.3.6.1.4.1.1466.101.120.16

loginShell

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Identifies the path to the login shell.

For example:

```
loginshell:
```

Syntax

ces (single)

OID

1.3.6.1.1.1.1.4

M

macAddress

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service. Specifies the MAC address in maximal, colon separated hex notation (for example, 00:00:92:90:ee:e2).

For example:

macAddress:

Syntax

cis

OID

1.3.6.1.1.1.1.22

mail

Origin

Netscape Messaging Server 4.0

Definition

Identifies a user's primary email address (the email address retrieved and displayed by “white-pages” lookup applications).

For example:

mail: banderson@airius.com

Syntax

cis

OID

0.9.2342.19200300.100.1.3

mailAccessDomain

Origin

Netscape Messaging Server

Definition

Identifies one or more domains or server names, or IP addresses, from which the user can perform a POP or IMAP logon.

For example:

```
mailAccessDomain: airius.com
```

Syntax

cis (0-many)

OID

2.16.840.1.113730.3.1.12

mailAlternateAddress

Origin

NetscapeMessaging Server

Definition

Identifies additional email addresses for a user. The Messaging Server supports an unlimited number of alternate email addresses for each user. For vanity domains, the Messaging Server permits open-ended email addressing.

For example:

mailAlternateAddress:@babs.net

would allow the user to receive mail sent to anyone or anything at this domain.

Syntax

cis (0-many)

OID

2.16.840.1.113730.3.1.13

mailAutoReplyMode

Origin

NetscapeMessaging Server

Definition

Identifies the mail auto-reply mode for the mail user. Zero or one instances of this attribute are expected per mail user account.

Accepted values include:

- vacation: send the vacation message (contained in mailAutoReplyText attribute)
- reply: send a fixed reply (contained in the mailAutoReplyText attribute)
- echo: echo the original message with added mailAutoReplyText to the original sender

Syntax

cis (0-1)

OID

2.16.840.1.113730.3.1.14

mailAutoReplyText

Origin

Netscape Messaging Server

Definition

Specifies the auto-reply text for a mail user. When represented in LDIF format, each line should be separated by a dollar sign (\$).

For example:

```
mailAutoReplyText:On vacation$Back in the office on Monday.
```

To represent an actual dollar sign (\$) or backslash (\) within this text, use the escaped hex values \24 and \5c respectively. For example, to represent the string:

```
The dollar ($) value can be found  
in the c:\cost file.
```

provide the string:

```
The dollar (\24) value can be found$in the c:\5ccost file.
```

Syntax

cis (0-1) (may contain multiple lines of text with \$-encoding)

OID

2.16.840.1.113730.3.1.15

mailDeliveryOption

Origin

NetscapeMessaging Server

Definition

Specifies how mail for an account should be delivered. At least one mailDeliveryOption must be set, unless there is at least one mailForwardingAddress attribute. Accepted values include:

- mailbox: deliver to the user's POP / IMAP mailbox
- native: Unix delivery (available only for Messaging Servers running on a Unix host)
- program: program delivery (available only for Messaging Servers running on a Unix host)

Syntax

cis (0-3)

OID

2.16.840.1.113730.3.1.16

mailForwardingAddress

Origin

NetscapeMessaging Server

Definition

Identifies a forwarding mail address. Mail to this recipient will be forwarded to the address provided.

For example:

mailForwardingAddress:bjensen@royalairways.com

Syntax

cis (0-many)

OID

2.16.840.1.113730.3.1.17

mailHost

Origin

NetscapeMessaging Server

Definition

Identifies the DNS hostname of the host on which the user's mail account resides. The value specified using this attribute must be the host's fully qualified domain name.

The Messaging Server expects one and only one instance of this attribute per [mailRecipient](#) entry, or zero or one instances of this attribute on a mailGroup entry.

The Messaging Server uses mailHost information to determine which persons in the directory have an account on the Messaging Server. The Messaging Server can also use this information to determine other Messaging Servers to transfer a message to, if the recipient is not on the local host but exists within the enterprise.

For example:

```
mailHost:mars.airius.com
```

Syntax

cis (a DNS name)

OID

2.16.840.1.113730.3.1.18

mailMessageStore

Origin

NetscapeMessaging Server

Definition

Identifies the absolute path of the user's mail host directory that contains the message store where the user's mailbox resides. This attribute is applicable when the user's *mailDeliveryOption=mailbox*. If no instances of this attribute exist on the user's entry, then the default configured on the user's Messaging Server is used.

For example:

```
mailMessageStore:/disk2/mail
```

Syntax

ces (0-1)

OID

2.16.840.1.113730.3.1.19

mailPreferenceOption

Origin

Netscape Messaging Server

Definition

Unused in Messaging Server 4.0.

Indicates a preference for inclusion of user names on mailing lists (electronic or physical). Accepted values include:

- 0: user doesn't want to be included in mailing lists.
- 1: user consents to be added to any mailing list.
- 2: user only wants to be added to mailing lists which the list provider views as related to the users professional interests.

The absence of this attribute for a person should be interpreted as if the attribute was present with value "no-list-inclusion". This attribute value should be interpreted by anyone using the directory to derive mailing lists.

For example:

```
mailPreferenceOption:0
```

Syntax

cis

OID

0.9.2342.19200300.100.1.47

mailProgramDeliveryInfo

Origin

Netscape Messaging Server

Definition

Identifies one or more commands [in multiple instances] to be used for programmed mail delivery. This attribute is meaningful when the following conditions are true:

- program delivery has been enabled on the Messaging Server by the mail administrator
- the user's [mailDeliveryOption](#) is set to program

For example:

```
mailProgramDeliveryInfo: /usr/local/bin/procmail -f-
```

Syntax

ces (0-many) (may contain multiple lines of text with \$-encoding)

OID

2.16.840.1.113730.3.1.20

mailQuota

Origin

Netscape Messaging Server

Definition

Identifies the maximum disk space in bytes that may be consumed by the user's mailbox. This attribute is applicable only if the user's [mailDeliveryOption](#) is set to mailbox.

When no mailQuota attribute is specified in the user's entry, the default configured on the user's Messaging Server is used.

When this attribute is set to zero, no limit is set on the user's disk space quota.

For example:

```
mailQuota: 1000000
```

Syntax

cis (0-1)

OID

2.16.840.1.113730.3.1.21

mailRoutingAddress

Origin

Netscape Messaging Server

Definition

Attribute used by the messaging server that contains a forwarding address for a user. Used most often in conjunction with a gateway or mail server that does not recognize internet addressing.

For example, a gateway system that the MS routes to only recognizes john_jones@notes.here.com for a particular recipient. Although jjones@here.com is also recognized, the recipient is always passed on as john_jones@notes.here.com.

Differs from mailForwardingAddress in that the Routing Address can only be set by the administrator, and is used in the process of locating the mailHost for the user (mailForwardingAddress is only used once the mailHost has been accessed).

For example:

mailRoutingAddress:bjensen@gateway.arius.com

Syntax

cis

OID

2.16.840.1.113730.3.1.47

manager

Origin

Definition

Identifies the distinguished name of the entry's manager

For example:

`manager:cn=Jane Doe, ou=Quality Control, o=Airius.com`

Syntax

dn

OID

0.9.2342.19200300.100.1.10

matchingRules

Origin

Definition

Operational, multi-valued attribute that specifies the matching rules used in a subschema. Each value describes a single matching rule.

For example:

```
matchingRules:
```

Syntax

cis (operational)

OID

2.5.21.4

matchingRuleUse

Origin

Definition

Operational attribute that identifies the attribute types to which a matching rule applies in a subschema.

For example:

```
matchingRuleUse: ( 2.16.840.1.113730.3.3.2.0.1 NAME  
'caseIgnoreOrderingMatch-default SYNTAX  
'1.3.6.1.4.1.1466.115.121.1.5' )
```

Syntax

cis (operational)

OID

2.5.21.8

member

Origin

LDAP

Definition

Identifies the distinguished names for each member of the group.

For example:

member: *cn=John Doe, o=airius.com*

Syntax

dn

OID

2.5.4.31

memberCertificateDescription

Origin

Netscape Directory Server

Definition

A multivalued attribute. Each value is a description, a pattern, or a filter matching the subject DN of a certificate (usually certificates used for SSL client authentication).

`memberCertificateDescription` matches any certificate that contains a subject DN that contains the same AVAs as the description. The description may contain multiple "ou=" AVAs. A matching DN must contain those same "ou=" AVAs, in the same order, although it may contain other AVAs (including other "ou=" AVAs) interspersed. For any other attribute type (not ou), there should be at most one AVA of that type in the description. If there are several, all but the last are ignored.

A matching DN must contain that same AVA, but no other AVA of the same type nearer the root (later, syntactically).

AVAs are considered the same if they contain the same attribute description (case-insensitive comparison) and the same attribute value (case-insensitive comparison, leading and trailing whitespace ignored, and consecutive whitespace characters treated as a single SP).

In order to be considered a member of a group with the following `memberCertificateDescription`, a certificate would need to include `ou=x`, `ou=A`, and `o=airius` but not `o=company`.

`memberCertificateDescription: {ou=x, ou=A, o=company, o=airius}`

In order to match the group's requirements, a certificate's subject dns must contain the same ou attribute types in the same order as defined in the `memberCertificateDescription` attribute.

memberCertificateDescription

Syntax

ceS

OID

2.16.840.1.113730.3.1.199

memberNisNetgroup

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.
For example:

memberNisNetgroup:

Syntax

cis

OID

1.3.6.1.1.1.1.13

memberUid

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.
For example:

memberUid:

Syntax

cis

OID

1.3.6.1.1.1.1.12

memberURL

Origin

Netscape Directory Server

Definition

Identifies an URL associated with each member of a group. Any type of labeled URL can be used.

For example:

memberURL: ldap://cn=jdoe, o=Airius.com

Syntax

ces

OID

2.16.840.1.113730.3.1.198

mgrpAllowedBroadcaster

Origin

Netscape Messaging Server

Definition

Identifies mail users allowed to send messages to the mail group. If no instances of this attribute exist on the mailGroup entry, then there are no restrictions on who can send messages to the mail group unless the mgrpAllowedDomain attribute is used.

The Messaging Server expects this attribute to contain either a distinguished name or an rfc822address. If a distinguished name is used, it must represent a mailable entry or entries of type group or groupOfUniqueNames. The distinguished name must be represented in the form of a LDAP URL as described in *RFC1959, An LDAP URL Format*.

For example:

```
mgrpAllowedBroadcaster: ldap://uid=bjensen, o=Airius.com  
mgrpAllowedBroadcaster: mailto:sys50@airius.com
```

Syntax

ces

OID

2.16.840.1.113730.3.1.22

mgrpAllowedDomain

Origin

Netscape Messaging Server

Definition

Identifies domains from which users are allowed to send messages to the mail group. This attribute is a Netscape extension used by the Messaging Server to manage mailing lists. If no instances of this attribute exist on the mailGroup entry, then there are no restrictions on who can send messages to the mail group unless the mgrpAllowedBroadcaster attribute is used.

This is set by default to a wild card value. That is, a value of “airius.com” will match any user sending from “*.airius.com”.

For example:

mgrpAllowedDomain: airius.com

Syntax

cis

OID

2.16.840.1.113730.3.1.23

mgrpApprovePassword

Origin

Netscape Messaging Server 4.0

Definition

If set, then any message to the list must have an “Approved:(password)” header or “Approved:(password)” on the first line of the body. This header or line is stripped before sending the message to the group.

For example:

mgrpApprovePassword:

Syntax

cis

OID

mgrpBroadcasterPolicy

Origin

Netscape Messaging Server

Definition

Determines special policy defining an allowedBroadcaster. Allows for one of three selections:

- `smtp_auth_required`: requires allowedBroadcasters to be SMTP Authenticated
- `cert_required`: requires allowedBroadcasters to have signed the message with a valid Certificate [that is correct for this selection only].
- `password_required`: requires that a password be sent with each message to the group (see [mgrpApprovePassword](#)).

For example:

`mgrpBroadcasterPolicy: smtp_auth_required`

Syntax

`cis`

OID

mgrpDeliverException

Origin

Netscape Messaging Server

Definition

Contains DNs that will be excluded from dynamic group delivery, allowing exceptions to dynamic groups. For example, if a recipient in Sales does not want to receive mail addressed to Sales.

For example:

mgrpDeliverException: *dn=*

Syntax

cis

OID

mgrpDeliverTo

Origin

Netscape Messaging Server

Definition

Used as an alternative method of specifying mail group membership. This attribute is a Netscape extension used by the Messaging Server to manage mailing lists. The Messaging Server expects this attribute to contain an LDAP URL using the format described in *RFC1959, An LDAP URL format*. Any entries returned by the resulting LDAP search are members of the mailing group.

For example:

```
mgrpDeliverTo: ldap:///ou=Accounting,o=Netscape,c=US??sub?(&
(objectClass=mailRecipient)(objectClass=inetOrgPerson))
```

Syntax

ces (an URL)

OID

2.16.840.1.113730.3.1.25

mgrpErrorsTo

Origin

Netscape Messaging Server

Definition

Used by the Messaging Server to manage mailing lists. Identifies a mailing address to send error messages to for notification of mail delivery problems (for example, bounced mails, mailing group members lacking a mailing address). If no instances of this attribute exists on the mailGroup entry, then error messages will return to the original (envelope) mail sender.

The Messaging Server expects this attribute to contain either a distinguished name or an rfc822address. If a distinguished name is used, it must represent a mailable entry or entries of type group or groupOfUniqueNames. The distinguished name must be represented in the form of a LDAP URL as described in RFC1959, *An LDAP URL format*.

For example:

```
mgrpErrorsTo: ldap://uid=bjensen, o=Airius.com
```

```
mgrpErrorsTo: mailto:sys50@airius.com
```

Syntax

ces

OID

2.16.840.1.113730.3.1.26

mgrpModerator

Origin

Netscape Messaging Server

Definition

Identifies a mailing address to which rejected mail from a mailing list is sent. The Messaging Server may reject mail because it is received from an unauthorized domain (as defined by the `mgrpAllowedDomain` attribute) or is received from an email address not specified in the `mgrpAllowedBroadcaster` attribute.

The Messaging Server will only forward mail to the address(es) identified by this attribute if the `mgrpMsgRejectAction` attribute includes `toModerator`. The Messaging Server expects this attribute to contain either a distinguished name or a `rfc822address`. If a distinguished name is used, it must represent a mailable entry or entries of type `group` or `groupOfUniqueNames`. The distinguished name must be represented in the form of a LDAP URL as described in *RFC1959, An LDAP URL format*.

For example:

`mgrpErrorsTo: ldap://uid=bjensen, o=Airius.com`

`mgrpErrorsTo: mailto:sys50@airius.com`

Syntax

ces (0-many)

OID

2.16.840.1.113730.3.1.33

mgrpMsgMaxSize

Origin

Netscape Messaging Server

Definition

Identifie, in bytes, the maximum size of a mesage that can be sent to the mail group. The Messaging Server expects zero or one instance of this attribute to exist for every mailGroup entry (if no entry then no size limit is imposed on mail to the group).

For example:

mgrpMsgMaxSize: 2000

Syntax

cis (an integer)

OID

2.16.840.1.113730.3.1.32

mgrpMsgRejectAction

Origin

Netscape Messaging Server

Definition

Identifies the action to be taken when a email sent to a mail group is rejected. The Messaging Server may reject mail for the following reasons:

- it is received from an unauthorized domain (as defined by the `mgrpAllowedDomain` attribute)
- it is received from an mail address that is not a member of the `mgrpAllowedBroadcaster` attribute
- it is larger than the size permitted on `mgrpMsgMaxSize`.

The Messaging Server expects from zero to two (0-2) instances of this attribute per `mailGroup` entry. If no instances of this attribute exist on the `mailGroup` entry, then `reply` is used by default. Valid keywords for this attribute are:

- `reply`: send a failure notice to the sender. The text of the failure notice is stored on the `mgrpMsgRejectText` attribute.
- `bounce`: return the message to the sender with the comment stored on the `mgrpMsgRejectText` attribute.
- `toModerator`: forward the message to the moderator for processing. The moderator is identified by the `mgrpModerator` attribute.

For example:

```
mgrpMsgRejectAction: bounce
```

Syntax

`cis`

mgrpMsgRejectAction

OID

2.16.840.1.113730.3.1.28

mgrpMsgRejectText

Origin

Netscape Messaging Server

Definition

Identifies the text to be sent by the Messaging Server when mail sent to a mail group is rejected and the mgrpMsgRejectAction attribute is set to either bounce or reply.

The Messaging Server expects from zero to one (0-1) instances of this attribute to exist per mailGroup entry. Multiline text may be delimited using \$ when represented in LDIF format. If no instances of this attribute exist on the mailGroup entry, then the default text set in the Messaging Server is used for rejected mail.

For example:

```
mgrpMsgRejectText: The mail you have sent to the Crazy Bikers$
mailing list has been rejected because$you are not a recognized
member of the Crazy Bikers group.$Please contact Big Daddy
Biker at rsweeny@airius.com for information on how to become$a
crazy biker.
```

Syntax

ces

OID

2.16.840.1.113730.3.1.29

mgrpNoDuplicateChecks

Origin

Netscape Messaging Server 4.0

Definition

A boolean expression which prevents the Messaging Server from checking for duplicate delivery of a message. Improves performance for delivery of a group, with the trade-off of possibly delivering duplicate copies of messages (for example, when a message is sent to a group and a member, or when a member is duplicated as a uniqueMember and an mgrpRFC822MailMember).

For example:

Syntax

cis

OID

mgrpPassword

Origin

Netscape Messaging Server

Definition

Unused.

For example:

mgrpPassword: AAAAAA==

Syntax

bin

OID

2.16.840.1.113730.3.1.27

mgrpRFC822MailMember

Origin

Netscape Messaging Server

Definition

Identifies recipients of mail sent to a mailGroup that are not members of the mixed-in groupOfUniqueNames. This attribute is used to represent mail recipients that cannot be expressed as distinguished names, or who are to be sent mail from this group but who do not have the full privileges of a unique group member.

The Messaging Server expects this attribute to contain rfc822 mail addresses using the following form:

mgrpRFC822MailMember: bjensen@airius.com%Babs Jensen

Syntax

cis

OID

2.16.840.1.113730.3.1.30

mobile

Origin

Definition

Identifies the entry's mobile or cellular phone number. Abbreviation: mobile
For example:

`mobileTelephoneNumber: 415-555-4321`

Syntax

`tel`

OID

`0.9.2342.19200300.100.1.41`

modifiersName

Origin

LDAP

Definition

Contains the DN of the user who last modified an entry. If the Track Modification Time parameter is set to on, the server adds this attribute to an entry when it is modified.

For example:

modifiersName: *cn=jdoe, o=people, o=airius.com*

Syntax

dn

OID

2.5.18.4

modifyTimestamp

Origin

LDAP

Definition

Contains the modification date for an entry. If the TrackModification Time parameter is set to true, the Directory Server adds this attribute to an entry when it is modified.

For example:

```
modifyTimestamp:19980514064150Z
```

Syntax

cis

OID

2.5.18.2

multiLineDescription

Origin

Netscape Messaging Server

Definition

Provides descriptive text for a mail user. When represented in LDIF format, each line should be separated by a dollar sign (\$). The Messaging Server expects 0 or 1 occurrences of this attribute per mail account.

For example:

```
multiLineDescription: Account Administrator and$directory  
manager.
```

To represent an actual dollar sign (\$) or backslash (\) within this text, use the escaped hex values \24 and \5c respectively. For example, to represent the string:

The dollar (\$) value can be found in the c:\cost file.
provide the string:

The dollar (\24) value can be found\$in the c:\5ccost file.

Syntax

cis 0-1 (may contain multiple lines of text with \$-encoding)

OID

N

name

Origin

LDAP

Definition

Identifies the attribute sypertype from which string attribute types used for naming may be formed. It is unlikely that values of this type will occur in an entry. LDAP server implementations that do not support attribute subtyping do not need to recognize this attribute in requests. Client implementations should not assume that lLDAP servers are capable of performing attribute subtyping

For example:

Syntax

cis

OID

2.5.4.41

nameForms

Origin

Definition

Operational, multi-valued attribute that defines the name forms used in a subschema. Each value defines one name form.

For example:

Syntax

cis (operational)

OID

2.5.21.7

namingContexts

Origin

LDAP

Definition

This attribute corresponds to a naming context the server is mastering or shadowing. When the server does not master any information (for example, it is an LDAP gateway to a public X.500 directory), this attribute will be absent. When the server believes it contains the entire directory, the attribute will have a single value, and that value will be the empty string (indicating the null DN of the root). This attribute permits a client contacting a server to choose suitable base objects for searching.

For example:

namingContexts:

Syntax

dn

OID

1.3.6.1.4.1.1466.101.120.5

netscapeReplicaState

Origin

Netscape Directory Server

Definition

This attribute is reserved for use by the Netscape Directory Server and is not included in the slapd.at.conf file. The attribute contains a replica CN and a description of the current state of a directory replication process. The states include the following:

- Idle: The synchronization system is not performing work at this time.
- Synchronizing: The system is in the process of performing a replication.
- Populating: The synchronization system is populating the consumer's directory.
- Halted: The synchronization system has stopped.
- Unknown: The state of the replication process is unknown.

For example:

```
netscapeReplicaState: dirserver.airius.com:389/o%3Dmozilla.com  
idle
```

Syntax

cis

OID

netshareHomeURL

Origin

Netscape Enterprise Server 4.x

Definition

For example:

Syntax

ces (single)

OID

netshareServerType

Origin

Netscape Enterprise Server 4.x

Definition

For example:

Syntax

cis (single)

OID

netshareHomeTheme

Origin

Netscape Enterprise Server 4.x

Definition

For example:

Syntax

cis (single)

OID

netsharePrivate

Origin

Netscape Enterprise Server 4.x

Definition

For example:

Syntax

cis (single)

OID

netshareMemberOf

Origin

Netscape Enterprise Server 4.x

Definition

For example:

Syntax

dn

OID

netshareUIConfig

Origin

Netscape Enterprise Server 4.x

Definition

For example:

Syntax

bin (single)

OID

newRdn

Origin

Netscape Directory Server

Definition

Contains the new RDN (Relative Distinguished Name) of an entry which is the target of a modRDN or modDN operation.

For example:

newRdn: *cn=Jane Doe*

Syntax

dn

OID

2.16.840.1.113730.3.1.9

newSuperior

Origin

Netscape Directory Server

Definition

Specifies the name of the entry that will become the immediate superior of the existing entry, when processing a modDN operation.

For example:

```
newSuperior: cn=Jane Doe
```

Syntax

dn

OID

2.16.840.1.113730.3.1.11

newsComponentName

Origin

Definition

This attribute contains the name of a discussion (news) group. This name may be used in the distinguished name of the discussion group.

For example:

newsComponentName: *marketing*

Syntax

dn

OID

ngcomponent

Origin

Netscape Collabra Server

Definition

Used by [ngInfo](#) entries to uniquely identify news groups. The format and nature of the information placed on this attribute by the Collabra Server is subject to change without notice.

The ngcomponent attributes put in place for the comp.sys.mac newsgroup would be:

```
dn: ngcomponent=mac, ngcomponent=sys, ngcomponent=comp,  
ngcomponent=., o=Airius.com  
objectclass: top  
objectclass: ngInfo  
ngcomponent=mac  
ngcomponent=sys  
ngcomponent=comp  
ngcomponent=.
```

Syntax

dn

OID

2.16.840.1.113730.3.1.196

nisMapEntry

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.
For example:

nisMapEntry:

Syntax

ces (single)

OID

1.3.6.1.1.1.1.27

nisMapName

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.

For example:

nisMapName:

Syntax

ces

OID

1.3.6.1.1.1.1.26

nisNetgroupTriple

Origin

LDAP (RFC 2307)

Definition

Used by Directory Server 4.0 to implement Network Information Service.

```
nisnetgrouptriple = "(" hostname "," username "," domainname  
")"
```

where:

- hostname = "" / "-" / keystore
- username = "" / "-" / keystore
- domainname = "" / "-" / keystore

X.500 servers may use the following representation of the above syntax:

```
nisNetgroupTripleSyntax ::= SEQUENCE { hostname [0] IA5String  
OPTIONAL, username [1] IA5String OPTIONAL, domainname [2]  
IA5String OPTIONAL }
```

Syntax

cis

OID

1.3.6.1.1.1.1.14

nsaclrole

Origin

Netsape Collabra Server

Definition

Identifies the access for individual news group roles (for example, manager, poster, reader, etc). Used on [nglInfo](#) entries to identify access control for individual news groups. This attribute is used only on the branch point of the ngcomponent subtree. The format and nature of the information placed on this attribute by the Collabra Server are subject to change without notice.

For example:

```
nsaclrole: admin:aprv
```

Syntax

cis

OID

2.16.840.1.113730.3.1.192

nsAccessLog

Origin

Netscape Administration Server 4.0

Definition

Specifies the location of the access log.

For example:

nsaccesslog: admin-serv/logs/acces

Syntax

cis

OID

2.6.840.1.113730.3.1.306

nsAddressBookSyncURL

Origin

Netscape Communicator 4.0

Definition

This attribute contains the LDAP URL of the directory that Netscape Communicator clients should contact when synchronizing local copies of the address book for offline usage.

This root DSE attribute should be set on all replicas except the replica designated as the replica from which communicator should synchronize its address book.

This attribute is only necessary in a multiple-replica configuration, where all replicas are known by a single host name (for example, DNS roundrobin).

For example:

```
nsaddressbooksyncurl: ldap://ldap.domain.com
```

Syntax

ces

OID

2.16.840.1.113370.3.1.330

nsAdminAccessAddresses

Origin

Netscape Administration Server 4.0

Definition

List of IP addresses that can access the admin server.

For example:

```
nsadminaccessaddresses:
```

Syntax

```
cis
```

OID

```
2.6.840.1.113730.3.1.358
```

nsAdminAccessHosts

Origin

Netscape Administration Server 4.0

Definition

Lists the hosts that can access the admin server.

For example:

```
nsaccesshosts: *.mcom.com
```

Syntax

cis

OID

2.6.840.1.113730.3.1.357

nsAdminAccountInfo

Origin

Netscape Administration Server 4.0

Definition

Reserved for future use.

For example:

nsadminaccountinfo:

Syntax

cis

OID

2.16.840.1.113730.3.1.363

nsAdminCacheLifetime

Origin

Netscape Administration Server 4.0

Definition

Specifies, in seconds, the lifetime for user / task information cache.

For example:

```
nsadmincachelifetime: 120
```

Syntax

cis

OID

2.16.840.1.113730.3.1.362

nsAdminCGIWaitPid

Origin

Netscape Administration Server 4.0

Definition

Reserved for future use.

For example:

```
nsadmincgiwaitpid: on
```

Syntax

cis

OID

2.16.840.1.113730.3.1.355

nsAdminDomainName

Origin

Netscape Administration Server 4.0

Definition

Specifies the name of the administration domain, usually a grouping of host machines that can be administered together.

For example:

nsAdmindomainName: mcom.com

Syntax

cis

OID

2.16.840.1.113730.3.1.284

nsAdminEnableDSGW

Origin

Netscape Administration Server 4.0

Definition

Used to enable and disable DSGW.

For example:

```
nsadminenabledsgw: false
```

Syntax

cis

OID

2.16.840.1.113730.3.1.360

nsAdminEnableEndUser

Origin

Netscape Administration Server 4.0

Definition

Used to enable and disable end user access.

For example:

```
nsadminenableenduser: false
```

Syntax

cis

OID

2.16.840.1.113730.3.1.361

nsAdminEndUserHTMLIndex

Origin

Netscape Administration Server 4.0

Definition

Used to enable and disable HTML index access for the end user.

For example:

```
nsadminenableenduserhtmlindex: [--Category:general,General][--  
Option:edit.cgi?userpasswd,Password][--  
Option:edit.cgi?userpinfo,Personal Information]
```

Syntax

cis

OID

2.16.840.1.113730.3.1.265

nsAdminGroupName

Origin

Netscape Administration Server 4.0

Definition

The name of the root group for the administration server.

For example:

nsadmingroupname: Server Group

Syntax

cis

OID

2.16.840.1.113730.3.1.288

nsAdminOneACLDir

Origin

Netscape Administration Server 4.0

Definition

Specifies the directory that hold local acl information. Reserved for later use.
For example:

```
nsadminoneacldir: adminacl
```

Syntax

cis

OID

2.6.840.1.113730.3.1.35

nsAdminUsers

Origin

Netscape Administration Server 4.0

Definition

Specifies the uid for the admin server. The admin server runs as this uid.
For example:

```
nsadminusers: root
```

Syntax

```
cis
```

OID

```
2.16.840.1.113730.3.1.356
```

nsAdminSIEDN

Origin

Netscape Administration Server 4.0

Definition

Specifies the administration URL location within the admin group for a machine. Stored under the *o=netscaperoot* suffix for each admin group branch.

For example:

nsAdminuSIEDN:

Syntax

cis

OID

nsBaseDN

Origin

Netscape Administration Server 4.0

Definition

The base DN of the user and group directory server.

For example:

nsbasedn: *o=mcom.com*

Syntax

nsbasedn: *o=mcom.com*

OID

2.16.840.1.113730.3.1.277

nsBindDN

Origin

Netscape Administration Server 4.0

Definition

The bind DN for the user and group directory server.

For example:

nsbinddn: *uid=jdoe, ou=People, o=mcom.com*

Syntax

cis

OID

2.16.840.1.113730.3.1.278

nsBindPassword

Origin

Netscape Administration Server 4.0

Definition

The bind password for the user and group directory server. The ginddn and bindpassword configured here should have only read search privileges.

For example:

```
nsbindpassword: <password>
```

Syntax

cis

OID

2.16.840.1.113730.3.1.279

nsBuildNumber

Origin

Netscape Administration Server 4.0

Definition

The internal build version number for the product.

For example:

nsbuildnumber: 98.184.0025

Syntax

cis

OID

2.16.840.1.113730.3.1.294

nsBuildSecurity

Origin

Netscape Administration Server 4.0

Definition

Security level of the build version.

For example:

```
nsbuildsecurity: domestic
```

Syntax

```
cis
```

OID

```
2.16.840.1.113730.3.1.299
```

nsCalAccess

Origin

Netscape Calendar Server

Definition

Defines whether a calendar user, administrator, or resource should be allowed or denied access to the Calendar Server. This attribute is reserved for future use.

For example:

```
nsCalAccess: allow
```

Syntax

cis

OID

2.16.840.1.113730.3.1.112

nsCalAccessDomain

Origin

Netscape Calendar Server

Definition

Contains the Internet domain or IP address from which the calendar user, administrator, or resource is allowed to access calendar data. This attribute is reserved for future use.

For example:

```
nsCalAccessDomain: airius.com
```

Syntax

cis

OID

2.16.840.1.113730.3.1.113

nsCalAdmd

Origin

Netscape Calendar Server

Definition

The attribute contains an X.400 Administration Management Domain Name.
For example:

nsCalAdmd: telemail

Syntax

cis

OID

2.16.840.1.113730.3.1.114

nsCalDefaultNoteReminder

Origin

Netscape Calendar Server

Definition

Defines the type (if any) of note reminder sent to a calendar user. The type of reminder can be none (0), visual (1), or visual and audible (2). The Length of the reminder defines the number of minutes before the note expires that the reminder should be sent to the user. The format is type:minutes.

For example:

```
nsCalDefaultNoteReminder: 1:10
```

Syntax

cis

OID

2.16.840.1.113730.3.1.11

nsCalDefaultReminder

Origin

Netscape Calendar Server

Definition

Defines the type (if any) of event reminder sent to calendar event attendees. The type of reminder can be none (0), visual (1), or visual and audible (2). The Length of the reminder defines the number of minutes before the event that the reminder should be sent to event attendees.

For example:

```
nsCalDefaultReminder: 1:10
```

Syntax

cis

OID

2.16.840.1.113730.3.1.116

nsCalDefaultTaskReminder

Origin

Netscape Calendar Server

Definition

Defines the type (if any) of task reminder sent to a calendar user. The type of reminder can be none (0), visual (1), or visual and audible (2). The Length of the reminder defines the number of minutes before the task is due that the reminder should be sent to the user.

For example:

nsCalDefaultTaskReminder: 1:10

Syntax

cis

OID

2.16.840.1.113730.3.1.117

nsCalDisplayPrefs

Origin

Netscape Calendar Server

nsCalDisplayPrefs

Description

Contains the display preferences for a calendar user or resource. The syntax of this attribute is

<Flags:StartDay:EndDay:WeekStart:TimeIncrement:ActiveDays:TimeFormat>,

where

- Flags is no longer used.
- StartDay is the time in minutes to start the day display.
- EndDay is the time in minutes to end the day display.
- WeekStart specifies the first day of the week displayed in the Calendar client, usually Sunday or Monday.
- TimeIncrement defines the time increment displayed in minutes.
- ActiveDays specifies which days to display, for example, weekdays only.
- TimeFormat specifies the time format (AM / PM or 24 hour) to display.

In the following example, 4 represents flags and is not used. The StartDay value (480) is equivalent to 8am, EndDay (1140) is 7pm, WeekStart (0) is Sunday, the TimeIncrement is 15 minutes, the ActiveDays value is set to all, and the TimeFormat is 24 hour.

For example:

nsCalDisplayPrefs: 4:480:1140:0:15:127:

Syntax

cis

OID

2.16.840.1.113730.3.1.118

nsCalFlags

Origin

Netscape Calendar Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.119

nsCalHost

Origin

Netscape Calendar Server

Definition

The attribute contains the hostname or IP address of the computer hosting the Calendar Server.

For example:

```
nsCalHost: calserver.airius.com
```

Syntax

cis

OID

2.16.840.1.113730.3.1.120

nsCalLanguageId

Origin

Netscape Calendar Server

Definition

The attribute defines the language in which a user, administrator, or resource prefers to receive email notification.

For example:

```
nsCalLanguageId: english
```

Syntax

cis

OID

2.16.840.1.113730.3.1.121

nsCalNodeAlias

Origin

Netscape Calendar Server

Definition

The attribute contains the mnemonic name of the node on which a calendar user's information is stored.

For example:

nsCalNodeAlias: node10000

Syntax

cis

OID

2.16.840.1.113730.3.1.122

nsCalNotifMechanism

Origin

Netscape Calendar Server

Definition

Specifies the mechanism used to notify calendar event attendees (usually email). Acceptable values for this attribute are 1 and 0 where 1 means that notification is enabled, and 0 means that notification is disabled.

For example:

```
nsCalNotifMechanism: 0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.123

nsCalOperatingPrefs

Origin

Netscape Calendar Server

Definition

The attribute defines the operating preferences for a user or resource.
Reserved for future use.

For example:

```
nsCalOperationPrefs:
```

Syntax

cis

OID

2.16.840.1.113730.3.1.124

nsCalOrgUnit2

Origin

Netscape Calendar Server

Definition

The attribute contains the X.400 Organization Unit 2 (OU2) for a user or administrator.

For example:

nsCalOrgUnit2: marketing

Syntax

cis

OID

2.16.840.1.113730.3.1.125

nsCalOrgUnit3

Origin

Netscape Calendar Server

Definition

The attribute contains the X.400 Organization Unit 3 (OU3) for a user or administrator.

For example:

```
nsCalOrgUnit3: sales
```

Syntax

cis

OID

2.16.840.1.113730.3.1.126

nsCalOrgUnit4

Origin

Netscape Calendar Server

Definition

The attribute contains the X.400 Organization Unit 4 (OU4) for a user or administrator.

For example:

nsCalOrgUnit4: engineering

Syntax

cis

OID

2.16.840.1.113730.3.1.127

nsCalPasswordRequired

Origin

Netscape Calendar Server

Definition

Specifies whether a calendar user must supply a password to access calendar data. Acceptable values are 1 and 0; where 1 means a password is required, and 0 means that no password is required.

For example:

```
nsCalPasswordRequired: 1
```

Syntax

cis

OID

2.16.840.1.113730.3.1.128

nsCalPrmd

Origin

Netscape Calendar Server

Definition

The attribute contains the X.400 Private Management Domain Name for a user or administrator.

For example:

nsCalPrmd: airius

Syntax

cis

OID

2.16.840.1.113730.3.1.129

nsCalRefreshPrefs

Origin

Netscape Calendar Server

Definition

The attribute defines whether the user's preferences should be refreshed and how often. The syntax for this attribute is on / off:minutes. Accepted values for on / off:

- 1: preferences will be refreshed
- 0: preferences won't be refreshed.

If the on / off value is set to 1, the refresh interval is entered in minutes.

For example:

nsCalRefreshPrefs: 0:0

Syntax

cis

OID

2.16.840.1.113730.3.1.13

nsCalResourceCapacity

Origin

Netscape Calendar Server

Definition

The attribute defines the capacity of a resource, for example, a conference room.

For example:

```
nsCalResourceCapacity: 65
```

Syntax

cis

OID

2.16.840.1.113730.3.1.131

nsCalResourceNumber

Origin

Netscape Calendar Server

Definition

The attribute contains the resource's identification number.

For example:

```
nsCalResourceNumber: 6725
```

Syntax

cis

OID

2.16.840.1.113730.3.1.132

nsCalServerVersion

Origin

Netscape Calendar Server

Definition

Contains the version number of the Calendar Server hosting the calendar user's data.

For example:

```
nsCalServerVersion: 1.0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.13

nsCalSysopCanWritePassword

Origin

Netscape Calendar Server

Definition

The attribute specifies whether the Calendar Server administrator can overwrite user, resource, and other administrator passwords. Accepted values:

- 1: the administrator can overwrite passwords
- 0: the administrator cannot overwrite passwords.

For example:

nsCalSysopCanWritePassword: 1

Syntax

cis

OID

2.16.840.1.113730.3.1.13

nsCalTimezone

Origin

Netscape Calendar Server

Definition

The attribute contains the current timezone in which the entry is located.

For example:

```
nsCalTimezone: PST
```

Syntax

cis

OID

2.16.840.1.113730.3.1.135

nsCalXItemId

Origin

Netscape Calendar Server

Definition

The attribute contains a unique identifier for an nsCalendarObject represented in the directory. This identification is composed of the identification number of the node on which the calendar user, administrator, or resource's data is stored, and the identification number of the calendar user, administrator, or resource. The format should be NodeId,ItemId.

For example:

nsCalXItemId: 123,6547

Syntax

cis

OID

2.16.840.1.113730.3.1.136

nscreator

Origin

Netscape Collabra Server

Definition

This attribute is a Netscape extension to the standard LDAP schema that is used by the Collabra Server on [nglInfo](#) entries to identify a news group creator's uid.

Identifies the creator of a news group. The format and nature of the information placed on this attribute by the Collabra Server is subject to change without notice.

For example:

```
nscreator: admin
```

Syntax

cis

OID

2.16.840.1.113730.3.1.195

nsConfigRoot

Origin

Netscape Administration Server 4.0

Definition

The location of the product installation.

For example:

nsconfigroot: C:\Netscape\Server4

Syntax

cis

OID

2.16.840.1.113730.3.1.289

nsCertfile

Origin

Netscape Administration Server 4.0

Definition

Identifies the certificate database used by the SSL-enabled server.

For example:

nscertfile: / netscape / alias / sie-cert7.db

Syntax

cis

OID

2.16.840.1.113730.3.1.309

nsClassname

Origin

Netscape Administration Server 4.0

Definition

Used by the Netscape Console to load plugin information. This value can take on of the following forms:

- `JavaClassName` (specifies loading the java class from the current classpath)
- `JavaClassName@JarName` (specifies loading the java class from the specified jar file)
- `JavaClassName@JarName@NetscapeAdminServerSIE_DN` (specifies loading the java class from the specified jar file and getting the jar file from the specified Netscape admin server if the jar file is not in the local path)
- `JavaClassName@JarName@HttpURL` (specifies loading the java class from the specified jar file and getting the jar file from the specified HTTP URL if the jar file is not in the local path)

For example:

```
nsclassname: myClass
```

```
nsclassname: myClass@myJar.jar
```

```
nsclassname: myClass@myJar.jar@cn=admin-server-machine,cn=Netscape Administration Server, cn=Server Group, cn=machine.mcom.com, ou=mcom.com, o=NetscapeRoot
```

```
nsclassname: myClass@myJar.jar@http://mymachine/myJar.jar
```

Syntax

cis

OID

2.16.840.1.113730.3.1.325

nsDefaultAcceptLanguage

Origin

Netscape Administration Server 4.0

Definition

Specifies the default language to use when the client does not send language information.

For example:

```
nsdefaultacceptlanguage: en
```

Syntax

cis

OID

2.16.840.1.113730.3.1.307

nsDefaultMaxDeptSize

Origin

Netscape Delegated Administrator 4.0

Definition

Specifies the default size (in number of users) of a newly created department managed by delegated administrator.

For example:

```
nsDefaultMaxDeptSize: 20
```

Syntax

cis

OID

nsDefaultObjectClass

Origin

Netscape Administration Server 4.0

Definition

Used by Netscape console to create a default object class for a newly created object[?]. This attribute does not affect directory server object creation.

For example:

```
nsdefaultobjectclass: person
```

Syntax

cis

OID

2.16.840.1.113730.3.1.272

nsDeleteClassName

Origin

Netscape Administration Server 4.0

Definition

When a value is defined, used by the Netscape console to delete the specified object class from the directory.

For example:

```
nsdeleteclassname:  
com.netscape.admin.dirserv.deleteUser@ds40.jar
```

Syntax

dn

OID

2.16.840.1.113730.3.1.364

nsDirectoryInfoRef

Origin

Netscape Administration Server 4.0

Definition

Identifies the DN of the shared user and group directory location.

For example:

`nsdirectoryinfoRef: cn=Server Group, cn=shanghai.mcom.com, ou=mcom.com, o=netscape`

Syntax

`cis`

OID

2.16.840.1.113730.3.1.282

nsDirectoryURL

Origin

Netscape Administration Server 4.0

Definition

Specifies the LDAP URL of the user and group directory location.

For example:

```
nsdirectoryurl: ldap://host:port/o=mcom.com
```

Syntax

ces

OID

2.16.840.1.113730.3.1.283

nsDisplayName

Origin

Netscape Administration Server 4.0

Definition

Specifies the display name for the custom view.

For example:

```
nsdisplayname: My Custom View
```

Syntax

cis

OID

2.16.840.1.113730.3.1.274

nsErrorLog

Origin

Netscape Administration Server 4.0

Definition

Specifies the location for the error log file.

For example:

nserrorlog: admin-serv/logs/error

Syntax

cis

OID

2.16.840.1.113730.3.1.304

nses4av

Origin

Netscape Enterprise Server 4.0

Definition

An opaque binary data blob (a marshalled CORBA Any). Cannot be searched or examined.

For example:

nses4av:

Syntax

bin

OID

nses4an

Origin

Netscape Enterprise Server 4.0

Definition

Specifies the name of the attribute.

For example:

nses4an:

Syntax

ces

OID

nses4nn

Origin

Netscape Enterprise Server 4.0

Definition

Specifies the name of the node.

For example:

nses4nn:

Syntax

ces

OID

nsExecRef

Origin

Netscape Administration Server 4.0

Definition

Indicates the CGI that represents the task.

For example:

```
nsexecref: config
```

Syntax

```
cis
```

OID

```
2.16.840.1.113730.3.1.323
```

nsExpirationDate

Origin

Netscape Administration Server 4.0

Definition

The expiration date for the product. May not be used by the product itself.
For example:

nsexpirationdate: 907201064

Syntax

cis

OID

2.16.840.1.113730.3.1.298

nsflags

Origin

Netscape Collabra Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.194

nsGroupRDNComponent

Origin

Netscape Administration Server 4.0

Definition

Specifies the default RDN for a new group object. The default value is “cn”.
For example:

nsgrouprdncomponent: cn

Syntax

cis

OID

2.16.840.1.113730.3.1.269

nsHardwarePlatform

Origin

Netscape Administration Server 4.0

Definition

The hardware platform for a host machine.

For example:

```
nshardwareplatform: intel
```

Syntax

cis

OID

2.16.840.1.113730.3.1.286

nsHelpRef

Origin

Netscape Administration Server 4.0

Definition

Indicates the help URL for the task.

For example:

```
nshelpref: admin/certrequest.html
```

Syntax

cis

OID

2.16.840.1.113730.3.1.322

nsHostLocation

Origin

Netscape Administration Server 4.0

Definition

Describes the physical location of the host machine.

For example:

nshostlocation: Nadine's cube

Syntax

cis

OID

2.16.840.1.113730.3.1.285

nsIndexType

Origin

Netscape Directory Server 4.0

Definition

One of the following values can be provided:

- eq: Equality index. Used for searches that return the entries containing an attribute that is set to a specific value.
- pres: Presence index. Used for searches that return every entry that contains the indexed attribute.
- sub: Substring index. Used for searches that return entries containing a specified substring.
- approx: Approximate index. used only for string values such as commonName or givenName. Allows for phonetic, or "sounds-like," searching.
- none

For example:

nsIndexType: eq

Syntax

cis

OID

2.16.840.1.113730.3.1.327

nsInstalledLocation

Origin

Netscape Administration Server 4.0

Definition

Specifies the location of the product installation.

For example:

nsinstalledlocation: C:\Netscape\Server

Syntax

cis

OID

2.16.840.1.113730.3.1.297

nsLdapSchemaVersion

Origin

Netscape Administration Server 4.0

Definition

Specifies the schema version for an individual application. This information can be used to determine if a dynamic schema update is needed. Should match the value of nsProductVersion attribute.

For example:

```
nsldapschemaversion: 4.0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.302

nsJarFilename

Origin

Netscape Administration Server 4.0

Definition

Identifies the name of the jar file for the nsClassname Reserved for future use.
For example:

nsjarfilename:

Syntax

cis

OID

2.16.840.1.113730.3.1.324

nsKeyfile

Origin

Netscape Administration Server 4.0

Definition

Identifies the key database used by the SSL-enabled server.

For example:

```
nskeyfile: netscape/alias/sie-key3.db
```

Syntax

cis

OID

2.16.840.1.113730.3.1.310

nsLicensedFor

Origin

Netscape Directory Server

Identifies the Netscape server the user is licensed to use. The Netscape Administration Server expects each nsLicenseUser entry to contain zero or more instances of this attribute. Valid keywords for this attribute are currently:

- mail: the user is a licensed client of the Messaging Server.
- new: the user is a licensed client of the Collabra Server.
- slapd: the user is a licensed client of the Directory Server.
- cal: the user is a licensed client of the Calendar Server.

For example:

```
nsLicensedFor: slapd
```

Syntax

cis

OID

2.16.840.1.113730.3.1.36

nsLicenseEndTime

Origin

Netscape Directory Server

Definition

Reserved for future use.

For example:

nsLicenseEndTime:

Syntax

cis

OID

2.16.840.1.113730.3.1.38

nsLicenseStartTime

Origin

Netscape Directory Server

Definition

Reserved for future use.

For example:

nsLicenseStartTime:

Syntax

cis

OID

2.16.840.1.113730.3.1.37

nsLIData

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

bin

OID

2.16.840.1.113730.3.1.402

nsLiElementType

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.403

nsLIPrefs

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

ces

OID

2.16.840.1.113730.3.1.400

nsLIProfileName

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.401

nsLIPtrURL

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

ces

OID

2.16.840.1.113730.3.1.399

nsLIServerType

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.404

nsLIVersion

Origin

Netscape Mission Control Desktop Location Independence

Definition

Syntax

int

OID

2.16.840.1.113730.3.1.405

nsLogSuppress

Origin

Netscape Administration Server 4.0

Definition

Used to suppress logging while task is being executed.

For example:

```
nslogsuppress: true
```

Syntax

OID

nsMCAddrBookLastnameFirst

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCAAllowAtSignInUserName

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCAltMailDll

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCAutoCompleteEnabledServerName

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCAutoCompleteShowDlgForMultipleMatches

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCAutoCompleteUseAddressBooks

Origin

Netscape Mission Control Desktop Mail Client

Definition

OID

2.16.840.1.113730.3.1.

nsMCAutoCompleteUseDirectory

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCAutoQuote

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCCitationColor

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCCConfirmMoveFoldersToTrash

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCCryptoSignOutgoingMail

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCCryptoSignOutgoingNews

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCDefaultHTMLAction

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCEncryptOutgoingMail

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCFixedWidthMessages

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCForwardMessageMode

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCImapAutoSubscribeOnOpen

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCImapMimePartsOnDemand

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCImapMimePartsOnDemandThreshold

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCImapServer

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCImapServerProperties

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCIncorporateReturnReceipt

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCLdapServer

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCLdapServerProperties

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCLimitMessageSize

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCMMaxMessageSize

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCMDNReportEnabled

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCMDNReportNotInToCC

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCMDNReportOther

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCMMDNReportOutsideDomain

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNavCrossesFolders

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsKeepCount

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsKeepDays

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsKeepMethod

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsKeepOnlyUnread

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsRemoveBodiesByAge

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsRemoveBodiesDays

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCNewsTimeout

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCPlaySound

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCPop3GetsNewMail

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCPopServer

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCPopServerProperties

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCPromptPurgeThreshold

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCPurgeThreshold

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCQuotedSize

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCQuotedStyle

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCReceiptRequestHeaderType

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCRememberSelectedMessage

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCReplyOnTop

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCRequestReturnReceipt

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCReuseMessageWindow

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSearchServer

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSearchSubFolders

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSkipDirectoryIfLocalMatchFound

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSmtpServer

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSmtpUserName

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSmtpUseSSL

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCSpellCheckBeforeSend

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCStrictlyMime

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCUseAltMail

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCUseAltMailForNews

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCUseMapiServer

Origin

Netscape Mission Control Desktop Mail Client

Definition

OID

2.16.840.1.113730.3.1.

nsMCWarnForwardEncrypted

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCWarnReplyUnencrypted

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCWrapLength

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMCWrapLongLines

Origin

Netscape Mission Control Desktop Mail Client

Definition

Syntax

cis

OID

2.16.840.1.113730.3.1.

nsMaxDepts

Origin

Netscape Delegated Administrator 4.0

Definition

Specifies the maximum number of departments that may be created.

Syntax

cis

OID

nsMaxUsers

Origin

Netscape Delegated Administrator 4.0

Definition

Specifies the maximum number of user accounts that may be created.

For example:

```
nsMaxUsers:1000
```

Syntax

cis

OID

nsMatchingRule

Origin

Netscape Directory Server 4.0

Provides a value for strings representing matching rule OIDs.

A matching rule index (or International index) is used for searches that return entries sorted according to a collation order for a particular locale. In the example below, the collation order OID associated with the Japanese locale (“ja” language tag) is specified.

For more information, refer to the *Directory Server 4.0 Administrator's Guide*.

For example:

```
nsMatchingRule:2.16.840.1.113730.3.3.2.28.1
```

Syntax

cis

OID

2.16.840.1.113730.3.1.328

netscapeMDSuffix

Origin

Netscape Directory Server 4.0

Definition

Describes the DN of the entry at the top of the machine data subtree for the server. Appears in the root DSE.

For example:

netscapeMDSuffix:

Syntax

dn

OID

2.16.840.1.113730.3.1.212

nsmmsgAccountURL

Origin

Netscape Messaging Server 4.0

Definition

Specifies the account URL, the location of the server administration resource for end users.

For example:

nsmmsgAccountURL: http://host:adminport/user

Syntax

URL

OID

nsmmsgAddDeliveredTo

Origin

Netscape Messaging Server 4.0

Definition

Instructs the server to append the original address to the message header.

When mail is sent to a recipient in a virtual domain (for example "joebob.com" is actually a personal domain of "joe_bob@isp.com"), the original address will be appended to the message in the "Delivered To" header.

Default setting:

No

Syntax

boolean

OID

nsmmsgAdmins

Origin

Netscape Messaging Server 4.0

Definition

Contains a list of userids that have administration access.

For example:

nsmmsgAdmins:

Syntax

cis (user ID list)

OID

nsmsgAlias

Origin

Netscape Messaging Server 4.0

Definition

Used to define the logname.

For example:

```
<logfile.logname>
```

Syntax

cis (logname)

OID

nsmmsgAllowAnonymousLogin

Origin

Netscape Messaging Server 4.0

Definition

Used to permit anonymous login.

Default setting:

No

Syntax

boolean

OID

nsmsgAllowBareLF

Origin

Netscape Messaging Server 4.0

Definition

Used in 3.x. Unused in 4.0.

Syntax

boolean

OID

nsmsgAllowBDAT

Origin

Netscape Messaging Server 4.0

Definition

Instructs the server to accept BDAT commands from an SMTP caller and to advertise this capability in the EHLO program.

Default setting:

Yes

Syntax

boolean

OID

nsmsgAllowEHLO

Origin

Netscape Messaging Server 4.0

Definition

Instructs the server to allow an EHLO command from an SMTP caller.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgAllowETRN

Origin

Netscape Messaging Server 4.0

Definition

Used to accept ETRN commands from an SMTP caller and to advertise this capability in the EHLO response.

Default setting

Yes

Syntax

boolean

OID

nsmmsgAllowEXPN

Origin

Netscape Messaging Server 4.0

Definition

Used to accept EXPN commands from an SMTP caller and to advertise this capability in the EHLO response.

Default setting

Yes

Syntax

boolean

OID

nsmmsgAllowHELP

Origin

Netscape Messaging Server 4.0

Definition

Used to accept HELP commands from an SMTP caller and to advertise this capability in the EHLO response.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgAllowONEX

Origin

Netscape Messaging Server 4.0

Definition

Used to accept ONEX commands from an SMTP caller and to advertise this capability in the EHLO response.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgAllowSIZE

Origin

Netscape Messaging Server 4.0

Definition

Used to enable the SIZE extension in the "MAIL FROM:" header , and to advertise this capability in the EHLO response.

Default setting:

Yes

Syntax

boolean

OID

nsmsgAllowVERB

Origin

Netscape Messaging Server 4.0

Definition

Default setting:

Yes

Syntax

boolean

OID

nsmmsgAllowVRFY

Origin

Netscape Messaging Server 4.0

Definition

Used to accept VRFY commands from an SMTP caller and to advertise this capability in the EHLO response.

Default setting:

Yes

Syntax

boolean

OID

nsmsgAltQueues

Origin

Netscape Messaging Server 4.0

Definition

Specifies the directory paths for alternate queue directories.

For example:

```
nsmsgaltqueues: /var/spool/suitespot/msg_server1/altqueue
```

Syntax

cis (comma-separated directory paths)

OID

nsmmsgAlwaysQueue

Origin

Netscape Messaging Server 4.0

Definition

Determines whether to always queue outgoing messages.

Default setting:

No

Syntax

boolean

OID

nsmsgAuthCacheSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the size of the login cache. Each entry requires approximately 60 bytes.

Default setting:

10000

Syntax

+int

OID

nsmmsgAuthCacheTTL

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the cache entry TTL.

Default setting:

900

Syntax

+int

OID

nsmmsgAuthMailDomain

Origin

Netscape Messaging Server 4.0

Definition

Specifies the domains where SMTP authentication is required in order for the server to accept mail from those domains. Also described as partial IP addresses.

Syntax

cis

OID

nsmmsgBanner

Origin

Netscape Messaging Server 4.0

Definition

Provides the protocol welcome banner for each connection protocol (SMTP, POP, IMAP).

Default setting:

```
%h%p service (%P %V) ready on %d
```

where:

- %h: the local hostname
- %p: the protocol identifier
- %P: the product name (for example, "Netscape Messaging Server")
- %v: the short version ID
- %V: the full version and build date
- %: is used to indicate a percent sign

Syntax

cis (one line, using % to identify)

OID

nsmsgBinaryPath

Origin

Netscape Messaging Server 4.0

Definition

Specifies the directories containing binaries.

Syntax

cis

OID

nsmsgBufferSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the size of the log buffers.

Default setting:

0

Syntax

+int

OID

nsmmsgCheckDeferredQueue

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, instructs the MTA to determine if there are messages in queue waiting to be sent to a particular domain. If so, new messages to the domain are also queued, awaiting the next attempt to connect.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgClearControlInterval

Origin

Netscape Messaging Server 4.0

Definition

Unused in 4.0.

Specifies, in seconds, the control interval.

Default setting:

3600

Syntax

+int

OID

nsmmsgClearControlSafeTime

Origin

Netscape Messaging Server 4.0

Definition

Unused in 4.0.

Specifies, in seconds, the control safe time.

Default setting:

300

Syntax

+int

OID

nsmmsgCollectionDeltaTime

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, how often the SNMP server collects data.

Default setting:

10

Syntax

+int

OID

nsmmsgConfigVersion

Origin

Netscape Messaging Server 4.0

Definition

Identifies the configuration version (major.minor).

For example:

nsmmsgConfigVersion: 4.4

Syntax

int (int.int)

OID

nsmmsgContact

Origin

Netscape Messaging Server 4.0

Definition

Provides information describing a contact person for the server installation.
For example:

`nsmmsgContact:`

Syntax

`cis`

OID

nsmmsgCounterDeltaTime

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the internal counter collection time.

Default setting:

10 seconds

Syntax

+int

OID

nsmmsgDefaultACL

Origin

Netscape Messaging Server 4.0

Definition

Specifies the default ACL (access control list) for the Collabra folder. The ACL for the User folder provides users with full access.

Default setting:

Syntax

cis (store acl)

OID

nsmsgDefaultDomain

Origin

Netscape Messaging Server 4.0

Definition

Specifies the DNS domain name used for addresses without domains. When nothing is entered, the fully qualified server name is used.

For example:

nsmsgDefaultDomain: here.com

Syntax

cis (0-1, DNS domain name)

OID

nsmmsgDefaultEcho

Origin

Netscape Messaging Server 4.0

Definition

To be used for any accounts specifying mailAutoReplyType: reply but not having any mailAutoReplyText.

For example:

nsmmsgDefaultEcho:

Syntax

cis

OID

nsmmsgDefaultGID

Origin

Netscape Messaging Server 4.0

Definition

When on, specifies the group user ID for root user program delivery (if the UNIX account is the root account, then program delivery defaults to here). Unused in NT-Delivery.

Syntax

cis

OID

nsmmsgDefaultMailboxQuota

Origin

Netscape Messaging Server 4.0

Definition

Specifies the mailbox quota for all users who don't have a mailQuota attribute in their entry.

The default setting,

-1

specifies an infinite quota.

Syntax

+int

OID

nsmsgDefaultOverQuota

Origin

Netscape Messaging Server 4.0

Definition

Syntax

cis

OID

nsmsgDefaultPartition

Origin

Netscape Messaging Server 4.0

Definition

Identifies the default partition. This is only applicable for the Inbox. Subfolders will be created in the partition of the parent folder.

Default setting:

primary

Syntax

cis (partition name)

OID

nsmsgDefaultReply

Origin

Netscape Messaging Server 4.0

Definition

Specifies default reply text to be used for accounts where auto-reply is set (mailAutoReplyType: reply), but no auto-reply text has been specified (using mailAutoReplyText).

For example:

```
nsmsgDefaultReply: "gone fishin'"
```

Syntax

cis

OID

nsmmsgDefaultUID

Origin

Netscape Messaging Server 4.0

Definition

[Used to specify the user ID for root user program delivery (if the recipient's UNIX account is the root account, then program delivery defaults to here). Unused in NT- Delivery.

Syntax

OID

nsmmsgDefaultVacation

Origin

Netscape Messaging Server 4.0

Definition

Specifies the default vacation message.

For example:

nsmmsgDefaultVacation:

Syntax

OID

nsmmsgDeferredPeriod

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the time between deferred queue checks.

Default setting:

3600

Syntax

+int

OID

nsmsgDescription

Origin

Netscape Messaging Server 4.0

Definition

Provides information about the server.

Syntax

cis

OID

nsmmsgDisallowAccess

Origin

Netscape Messaging Server 4.1

Definition

Specifies the mail protocols not available to the user.

For example:

```
nsmmsgDisallowAccess: pop, imap, smtp
```

Syntax

cis

OID

nsmmsgDiskFlushInterval

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the interval for flushing buffers to log files.

Default setting:

15

Syntax

+int

OID

nsmmsgDNSResolveClient

Origin

Netscape Messaging Server 4.0

Definition

Indicates whether to use the host for the reverse name lookup client.

Default setting:

No

Syntax

boolean

OID

nsmmsgDoAUTH

Origin

Netscape Messaging Server 4.0

Definition

When set to yes, instructs the server to accept AUTH commands from an SMTP server and to advertise this capability in the EHLO response.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgDoCanonicalize

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, a valid domain is appended to envelope Sender addresses without a valid domain.

Default setting:

No

Syntax

boolean

OID

nsmmsgDoClientDNSLookup

Origin

Netscape Messaging Server 4.0

Definition

Determines whether to look up the hostname, specified in the EHLO command, of the calling server in DNS.

Default setting:

No

Syntax

boolean

OID

nsmmsgDoDSN

Origin

Netscape Messaging Server 4.0

Definition

Determines whether to do delivery status notifications.

Default setting:

Yes

Syntax

cis

OID

nsmsgDoETRN

Origin

Netscape Messaging Server 4.0

Definition

Reserved for future use. Causes an ETRN command to be sent by the MTA when done sending messages.

Default setting:

No

Syntax

boolean

OID

nsmmsgDomainAllowed

Origin

Netscape Messaging Server 4.0

Definition

Specifies the list of domain and IP addresses allowed.

For example:

```
nsmmsgDomainName: airius.com
```

Syntax

...

OID

nsmmsgDomainLangTable

Origin

Netscape Messaging Server 4.0

Definition

Specifies the table of domain-to-language mappings, of the form:

CC LC[, LC]

where

- CC: identifies the Internet country code (for example, CA for Canada)
- LC: identifies the Internet language code (for example, EN = English)

Syntax

cis

OID

nsmmsgDomainNotAllowed

Origin

Netscape Messaging Server 4.0

Definition

Specifies the domain and IP addresses that are not allowed.

For example:

```
nsmmsgDomainName: airius.com
```

Syntax

cis

OID

nsmmsgDomainName

Origin

Netscape Messaging Server 4.0

Definition

Specifies the domain name for the server.

For example:

nsmmsgDomainName: airius.com

Syntax

cis

OID

nsmmsgDoRewriteFromUsingAuth

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, and an authenticated sender exists for a message, then during header rewrite the Messaging Server will rewrite the "From:" field of the header to indicate the authenticated sender of the message.

Default setting:

No

Syntax

boolean

OID

nsmmsgDoRewriteSenderUsingAuth

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, and an authenticated sender exists for a message, then during header rewrite the Messaging Server will rewrite the "Sender:" field of the header to indicate the authenticated sender of the message.

Default setting:

No

Syntax

boolean

OID

nsmmsgEnable

Origin

Netscape Messaging Server 4.0

Definition

Determines whether to start the server (or server subagent) automatically.

Default setting:

No

Syntax

boolean

OID

nsmsgSSLPort

Origin

Netscape Messaging Server 4.0

Definition

Determines whether to automatically start service on the SSL port.

Default setting:

No

Syntax

boolean

OID

nsmsgEnvelopeRewriteMethod

Origin

Netscape Messaging Server 4.0

Definition

Used to specify the rules for rewriting recipient addresses that are forwarded to another server:

- 1: Rewrite to (local)@mailHost, if mailHost exists for the recipient (local) refers to the left-hand part of the incoming recipient address.
- 2: Rewrite to uid@mailHost, if those two attributes for the recipient
- 4: Rewrite to value in mailRoutingAddress, if attribute exists for recipient

Value provided is cumulative and represents the total of rules added together.

When none of the above are specified or none are possible (attributes don't exist for the user), the original recipient address will be used unchanged.

Syntax

int (1-7)

OID

nsmsgExclusive

Origin

Netscape Messaging Server 4.0

Definition

Syntax

cis

OID

nsmmsgExpireStart

Origin

Netscape Messaging Server 4.0

Definition

When stored, start every day for cleanup and expire.

Default setting:

23

Syntax

int

OID

nsmsgExpiryTime

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the time a log file will be kept before it expires (the default setting is 7 days).

Default setting:

604800

Syntax

+int

OID

nsmmsgExternalMXServerIP

Origin

Netscape Messaging Server 4.0

Definition

Specifies the list of DNS servers to attempt to use.

For example:

nsmmsgExternalMXServerIP: dns.internet.com, dns2.internet.com

Syntax

cis

OID

nsmsgFallbackSearchMethod

Origin

Netscape Messaging Server 4.0

Definition

Used to specify the rules for alternate search methods used when attempting to lookup messaging recipients in LDAP:

- 1: When domain or recipient is deemed local (is in `nsmsgLocalMainDomain` or `nsmsgDefaultDomain`), then check if local part of recipient is equal to any user ID in the directory.
- 2: Determine whether domain of recipient specifies this server, then try to match with server name removed. For example, if recipient=`juan@server1.here.com` was found on `server1`, then attempt to match `mail=juan@here.com` or `mailAlternateAddress=juan@here.com`).
- 4: Check for vanity domains. For example, if `uid@joebob` has a vanity domain of "`myfamily.com`", then mail to `(anyone)@myfamily.com` will be directed to `uid@joebob`.

Value provided is cumulative and represents the total of rules added together.

Syntax

int (1-7)

OID

nsmsgFileMode

Origin

Netscape Messaging Server 4.0

Definition

Unused in 4.0.

Default setting:

432

Syntax

OID

nsmsgFilterUrl

Origin

Netscape Messaging Server 4.0

Definition

Specifies the URL for the incoming mail filter.

Syntax

URL

OID

nsmmsgFlushInterval

Origin

Netscape Messaging Server 4.0

Definition

Specifies the interval, in seconds, for flushing buffers to log files.

Default setting:

60

Syntax

+int

OID

nsmmsgFolderPattern

Origin

Netscape Messaging Server 4.0

Definition

Syntax

cis

OID

nsmmsgFolders

Origin

Netscape Messaging Server 4.0

Definition

Folders for which the rules apply.
For example:

Syntax

cis (foldername pattern)

OID

nsmsgFolderSizeBytes

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of bytes a folder may contain.

Default setting:

Syntax

+int

OID

nsmsgFolderURL

Origin

Netscape Messaging Server 4.0

Definition

Specifies the URL for personal folder management.

For example:

```
nsmsgfolderurl: http://host:adminport/bin/user/admin/bin/  
mailacl.cgi?folder=%N
```

Syntax

URL

OID

nsmmsgForeignPercentAddr

Origin

Netscape Messaging Server 4.0

Definition

Used to accept recipient addresses in archaic format of

`local@domain%domain2`

Default setting:

No

Syntax

boolean

OID

nsmsgFormSigKey

Origin

Netscape Messaging Server 4.0

Definition

Reserved for future use.

Syntax

OID

nsmsgHideHostname

Origin

Netscape Messaging Server 4.0

Definition

Used to require the addition of hostname to message ID.

Default setting:

Yes

Syntax

boolean

OID

nsmsgHopCountExceedActions

Origin

Netscape Messaging Server 4.0

Definition

Specifies what actions to take when a message has exceeded the maximum number of server hop counts specfied in `nsmsgMaxMTAHops`.

- 1: return (bounce message to sender)
- 2 : hold (hold in deferred queue — not available in 4.0)
- 4: notify (send mail to postmaster)
- 8: log

Value provided is cumulative and represents combination of return, hold, notify, and log.

Default setting is hold, notify, and log:

14

Syntax

int (0-15)

OID

nsmmsgHostOnCommandLine

Origin

Netscape Messaging Server 4.0

Definition

Syntax

OID

nsmsgHostRewrites

Origin

Netscape Messaging Server 4.0

Definition

Specifies the host or domain used when forwarding messages that may contain lines with "\$" separators.

For example:

```
nsmsgHostRewrites: *.this.com:hub.this.com
```

Syntax

OID

nsmmsgInternalMXServerIP

Origin

Netscape Messaging Server 4.0

Definition

Specifies the internal list of DNS servers to use before attempting to use external DNS servers specified in [nsmmsgExternalMXServerIP](#).

For example:

nsmmsgInternalMXServerIP:

Syntax

cis

OID

nsmsgIdleTimeout

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in minutes, the idle timeout.

Default setting:

Syntax

+int

OID

nsmsgInstalledLanguages

Origin

Netscape Messaging Server 4.0

Definition

Indicates the installed language list.

Default setting:

Syntax

cis

OID

nsmmsgLDAPBaseDN

Origin

Netscape Messaging Server 4.0

Definition

Specifies the base DN (distinguished name) for all searches in the Directory server.

For example:

nsmmsgLDAPBaseDN:

Syntax

DN

OID

nsmmsgLDAPBindCred

Origin

Netscape Messaging Server 4.0

Definition

Specifies the bind credential used in binding to the LDAP server for the Messaging server.

For example:

nsmmsgLDAPBindCred:

Syntax

cis

OID

nsmmsgLDAPBindDN

Origin

Netscape Messaging Server 4.0

Definition

Specifies the bind DN (distinguished name) for the Directory Server.
For example:

nsmmsgLDAPBindDN:

Syntax

dn

OID

nsmmsgLDAPHost

Origin

Netscape Messaging Server 4.0

Definition

Specifies the hostname(s) of the LDAP server for user lookup.

For example:

nsmmsgLDAPHost :

Syntax

cis, hostname(s)

OID

nsmmsgLDAPMemCache

Origin

Netscape Messaging Server 4.0

Definition

Indicates whether to enable or disable LDAP SDK memcache feature.

Default setting:

No

Syntax

boolean

OID

nsmmsgLDAPMemCacheSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies the cache size, in bytes.

Default setting:

1131072

Syntax

+int

OID

nsmmsgLDAPMemCacheTtl

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the length of time the entry may live.

Default setting:

30

Syntax

+int

OID

nsmsgLDAPPoolSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies the number of LDAP connections.

Default setting:

Syntax

int

OID

nsmsgLDAPPort

Origin

Netscape Messaging Server 4.0

Definition

Specifies the LDAP port.

Default setting:

389

Syntax

+int

OID

nsmsgLDAPUseSSL

Origin

Netscape Messaging Server 4.0

Definition

Indicates whether SSL (Secure Socket Layer) communications should be used to connect to the server.

Default setting:

No

Syntax

boolean

OID

nsmsgLDAPUtilConfig

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

OID

nsmsgListenAddr

Origin

Netscape Messaging Server 4.0

Definition

Specifies the IP address and hostname to listen on.

For example:

Syntax

cis (IP address hostname)

OID

nsmsgListenQ

Origin

Netscape Messaging Server 4.0

Definition

Syntax

cis

OID

nsmsgListURL

Origin

Netscape Messaging Server 4.0

Definition

Specifies the URL for mailing list management.

For example:

`nsmsgListURL`

Syntax

URL

OID

nsmmsgLocalDefaultMaxRunCount

Origin

Netscape Messaging Server 4.0

Definition

Default setting:

Syntax

OID

nsmmsgLocalDefaultMinRunCount

Origin

Netscape Messaging Server 4.0

Definition

Default setting:

Syntax

OID

nsmsgLocalMailDomains

Origin

Netscape Messaging Server 4.0

Definition

Specifies all domains considered local to this server. That is, if the server can't find a recipient in this domain then the recipient can be considered "unknown."

Syntax

cis (0-many)

OID

nsmsgLocation

Origin

Netscape Messaging Server 4.0

Definition

Identifies the location of the server.

For example:

```
nsmsgLocation:
```

Syntax

cis

OID

nsmsgLog

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, the Messaging Server will log every message handled.

Default setting (with exception of SMTP_Accept and SMTP_Deliver):

No

Syntax

Boolean

OID

nsmmsgLogDir

Origin

Netscape Messaging Server 4.0

Definition

Identifies the directory path for log files. Give it the form of <instancedir> / <logdir> to make the path relative to the instance directory.

Syntax

cis, dirpath

OID

nsmsgLogLevel

Origin

Netscape Messaging Server 4.0

Definition

Used to specify the level of activity to be recorded by logs. Possible values include:

- Nolog
- Emergency
- Alert
- Critical
- Error
- Warning
- Notice
- Information
- Debug

Default setting:

Notice

Syntax

cis

OID

nsmsgLogType

Origin

Netscape Messaging Server 4.0

Definition

Used to indicate the type of logfile. In release 4.0, the only possible value is NscpLog.

Syntax

cis

OID

nsmmsgMailDeliveryProgram

Origin

Netscape Messaging Server 4.0

Definition

Specifies the default program to run for UNIX-Deliver type deliveries.

Default setting:

nsmsgmaildeliveryprogram:/usr/bin/mail

Syntax

cis

Example

OID

nsmsgMasterHost

Origin

Netscape Messaging Server 4.0

Definition

Indicates the SNMP master agent hostname, in the form of a DNS name.
For example:

nsmsgmasterhost:

Syntax

DNS name.

OID

nsmmsgMasterPort

Origin

Netscape Messaging Server 4.0

Definition

Specifies the port number of the SNMP master agent.

Default setting:

199

Syntax

+int

OID

nsmsgMaxBadCommands

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of bad commands that can be accepted.

Default setting:

25

Syntax

int

OID

nsmsgMaxBranches

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of branches.

Syntax

+int

OID

nsmsRecipients

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of "Channel-To:" allowed in a Control. Used primarily for group processing, to prevent sending one control with thousands of recipients (possibly choking an MTA module).

Default setting:

500

Syntax

+int

OID

nsmmsgMaxCPUTime

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in milliseconds, the maximum cpu time per execution.

Default setting:

Syntax

+int

OID

nsmsgMaxErrorObjectSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the maximum error object size.

Default setting:

Syntax

+int

OID

nsmsgMaxLogFiles

Origin

Netscape Messaging Server 4.0

Definition

Used to specify the maximum number of log files.

Default setting:

10

Syntax

+int

OID

nsmsgMaxLogFileSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum size, in bytes, of each log file.

Default setting:

20971520

Syntax

+int

OID

nsmsgMaxLogSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the maximum size of all logfiles.

Default setting:

20971520

Syntax

+int

OID

nsmsgMaxHeaderLines

Origin

Netscape Messaging Server 3,x

Definition

Unused.

Syntax

+int

OID

nsmsgMaxMessageSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the maximum size of a message that may be contained in a folder. For use with SIZE command.

Default setting:

5242880

Syntax

+int

OID

nsmsgMaxMTAHops

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of MTA hops allowed before the messaging Server determines that the message is in a loop and is declared undeliverable (also see [nsmsgHopCountExceedActions](#)).

Default setting:

30

Syntax

+int

OID

nsmsgMaxQueueTime

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in days, the maximum days to keep deferred mail.

Default setting:

4

Syntax

int

OID

nsmsgMaxRunCount

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

OID

nsmsgMaxRunCountDeferred

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

OID

nsmsgMaxScriptSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the maximum script size.

Default setting:

Syntax

+int

OID

nsmmsgMaxSessions

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of sessions per server process.

Default setting:

600 sessions

Syntax

+int

OID

nsmsgMaxStateObjectSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the maximum state object size.

Default setting:

Syntax

+int

OID

nsmsgMaxThreads

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of threads per server process.

Default setting:

1000

Syntax

+int

OID

nsmsgMessageCount

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of messages that can be stored in a specified folder.

Default setting:

Syntax

+int

OID

nsmsgMessageDays

Origin

Netscape Messaging Server 4.0

Definition

Specifies the maximum number of days that a message can be stored in a folder.

Default:

Syntax

+int

OID

nsmsgMessageHostName

Origin

Netscape Messaging Server 4.0

Definition

Specifies the official hostname for the Messaging Server. This can be different from the actual hostname of the machine the Messaging Server is running on (for example, in a failover situation, a Messaging Server running on the machine "dead.here.com" might advertise itself as running on "live.here.com"). This setting is used in banners, in resolving recipient addresses, and in allowing POP/IMAP login.

Syntax

cis (hostname)

OID

nsmsgMessageSize

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the maximum message size. This number is advertised with SIZE in the EHLO response.

Default setting:

Syntax

+int

OID

nsmsgMessageSizeDays

Origin

Netscape Messaging Server 4.0

Definition

Specifies the number of days a message can stay in a folder.

Default setting:

Syntax

+int

OID

nsmsgMinFreeDiskSpace

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in bytes, the minimum amount of disk space that must remain available for logging.

Default setting:

5242880

Syntax

+int

OID

nsmsgMinRunCount

Origin

Netscape Messaging Server 4.0

Definition

Specifies the number of threads to start for each MTA module. The defaults are different for each module.

Syntax

int

OID

nsmMsgAlarmDescription

Origin

Netscape Messaging Server 4.0

Definition

Provides the alarm description.

For example:

nsmMsgAlarmDescription:

Syntax

cis

OID

nsmmsgMsgAlarmNoticeHost

Origin

Netscape Messaging Server 4.0

Definition

Specifies the SMTP host to send warning to.

Default setting:

localhost

Syntax

cis

OID

nsmsgMsgAlarmNoticePort

Origin

Netscape Messaging Server 4.0

Definition

Specifies the SMTP port to send warning to.

Default setting:

25

Syntax

int

OID

nsmsgMsgAlarmNoticeRcpt

Origin

Netscape Messaging Server 4.0

Definition

Specifies the person to send the warning to.

Default setting:

Postmaster@localhost

Syntax

cis

OID

nsmsgMsgAlarmNoticeSender

Origin

Netscape Messaging Server 4.0

Definition

Specifies the identity of the warning sender.

Default setting:

Postmaster@localhost

Syntax

cis

OID

nsmsgMsgAlarmNoticeTemplate

Origin

Netscape Messaging Server 4.0

Definition

Provides a warning notice template.

%s in templates are replaced with sender, rcpt, description, instance, current value and body (in order).

Body is fixed:

"Description: %s\n"

"Alarmid: %s\n"

"Instance: %s\n"

"Monitoring interval: %u seconds\n"

"Lowest recorded value: %d\n"

"Highest recorded value: %d\n"

"Alarm condition when %s treshhold of %d\n"

"Last reset was: %s\n"

"Warning sent since last reset: %u\n"

"Number of times %s treshhold since last reset: %u\n";

For example:

```
nsmsgmsgalarmnoticetemplate: From: %s\n To: %s\n Subject:  
ALARM: %s of \"%s\" is %u\n\n %s\n
```

Syntax

cis

OID

nsmmsgMsgAlarmStatInterval

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the alarm collection interval.

Default setting:

Syntax

+int

OID

nsmsgMsgAlarmThreshold

Origin

Netscape Messaging Server 4.0

Definition

Specifies the alarm treshhold,
Default setting:

Syntax

+int

OID

nsmmsgMsgAlarmThresholdDirection

Origin

Netscape Messaging Server 4.0

Definition

Determines whether the alarm is over (1) or below (-1) the alarm threshold.
Default setting:

Syntax

int

OID

nsmsgMsgAlarmWarningInterval

Origin

Netscape Messaging Server 4.0

Definition

Specifies the minimum interval, in hours, to send repeated warning.

Default setting:

Syntax

+int

OID

nsmsgMTAID

Origin

Netscape Messaging Server 4.0

Definition

Reserved for internal use to specify the ID of the MTA, when no ID is specified.

Default setting:

0

Syntax

cis

OID

nsmsgMTAName

Origin

Netscape Messaging Server 4.0

Description

Reserved for internal use. Specifies the name of the MTA, when no name is specified.

For example:

MTA-41

Syntax

cis

OID

nsmmsgNeedSender

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, the message (envelope) sender is appended to the UNIX mail command as a parameter.

Default setting:

Yes

Syntax

boolean

OID

nsmsgNegativeHostAttr

Origin

Netscape Messaging Server 4.0

Definition

Specifies attributes not allowed in a server LDAP entry. This is used in Auth SMTP to identify whether the caller is a mail client or an MTA.

For example:

```
nsmsgNegativeHostAttr:
```

Syntax

cis

OID

nsmsgNestedGroups

Origin

Netscape Messaging Server 4.0

Definition

Specifies whether nested dynamic mail groups are expanded. By default, if a dynamic group contains another group as a member, the nested group is not expanded.

Default setting:

Syntax

Boolean

OID

nsmmsgNetworkDefaultMaxRunCount

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

OID

nsmmsgNetworkDefaultMinRunCount

Origin

Netscape Messaging Server 4.0

Definition

Specifies the minimum number of threads to start up for any local module (see [nsmmsgMinRunCount](#)).

Default setting:

20

Syntax

int

OID

nsmsgNewUserForms

Origin

Netscape Messaging Server 4.0

Definition

Specifies . . .

Default setting:

Syntax

OID

nsmmsgNewsPrefix

Origin

Netscape Messaging Server 4.0

Definition

Unused in Messaging Server 4.x. In 3.x, specifies the NNTP (Network News Transfer Protocol) Newsgroup prefix.

For example:

nsmmsgNewsPrefix:

Syntax

cis

OID

nsmsgNewsSpool

Origin

Netscape Messaging Server 4.0

Definition

Unused in Messaging Server 4.x. In 3.x, specifies the NNTP (Network News Transfer Protocol) spool directory.

For example:

```
nsmsgnewsSpool: [?]
```

Syntax

cis, dirpath

OID

nsmsgNTRunOptn

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

cis

OID

nsmsgNTAccount

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

cis

OID

nsmsgNTPassword

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

cis

OID

nsmsgNumDays

Origin

Netscape Messaging Server 4.0

Definition

Syntax

cis

OID

nsmsgNumMessages

Origin

Netscape Messaging Server 4.0

Definition

Syntax

cis

OID

nsmsgNumProcesses

Origin

Netscape Messaging Server 4.0

Definition

Syntax

+int

OID

nsmsgNumSlaves

Origin

Netscape Messaging Server 4.0

Definition

Specifies the number of slave processes.

Default setting:

0

Syntax

+int

OID

nsmsgOrganization

Origin

Netscape Messaging Server 4.0

Definition

Identifies the name of the organization.

For example:

nsmsgOrganization: Topspin

Syntax

cis

OID

nsmsgOrgName

Origin

Netscape Messaging Server 4.0

Definition

Specifies the organization name.

For example:

nsmsgOrgName:

Syntax

OID

nsmsgPartition

Origin

Netscape Messaging Server 4.0

Definition

Identifies the partition in which the folder resides.

For example:

```
nsmsgPartition:
```

Syntax

cis

OID

nsmmsgPath

Origin

Netscape Messaging Server 4.0

Definition

Identifies the partition path.

For example:

nsmmsgPath:

Syntax

cis (dirpath)

OID

nsmsgPlainTextLoginPause

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the duration of pause following successful clear login. (Meant to discourage user from using clear login.)

Default setting:

0

Syntax

+int

OID

nsmmsgPlainTextMinCipher

Origin

Netscape Messaging Server 4.0

Definition

Specifies the plain text login that is allowed if connection is encrypted using X-bit cipher minimum. always allow plain text login.

Possible values include:

- 0: always allow plain text login
- 40: allow ...
- 128: allow ...
- -1: never allow plain text login

Default setting:

0

Syntax

int

OID

nsmmsgPort

Origin

Netscape Messaging Server 4.0

Definition

Specifies the port number for the server.

Possible values include:

- 143: IMAP
- 110: POP
- 25: SMTP

Default setting:

143

Syntax

+int

OID

nsmmsgPOPMinPoll

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the minimum interval for client poling.

Default setting:

0

Syntax

+int

OID

nsmsgPositiveHostAttr

Origin

Netscape Messaging Server 4.0

Definition

Specifies the attributes required in a server LDAP entry (see also [nsmsgNegativeHostAttr](#)).

For example:

```
nsmsgPositiveHostAttr:
```

Syntax

cis

OID

nsmsgQuotaExceededActions

Origin

Netscape Messaging Server 4.0

Definition

Specifies the actions to take when a message has been determined to exceed the mailQuota for a recipient (see also [nsmsgHopCountExceedActions](#))

- 1: return
- 2: hold
- 4: notify
- 8: log

Value provided is cumulative and represents the total of actions added together.

Default setting:

1

Syntax

int (1-15)

OID

nsmsgQuotaExceededMsg

Origin

Netscape Messaging Server 4.0

Definition

Specifies the message to be sent to the user when the quota exceeds what is specified in store.

For example:

nsmsgquotaexceededmsg: Hey, throw out some messages already, will ya?

Syntax

cis

OID

nsmmsgQuotaExceededMsgInterval

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in days, the interval to wait before sending another quota-exceeded message.

Default setting:

7

Syntax

+int

OID

nsmsgQuotaGracePeriod

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in hours, the grace period[granted for ...]

Default setting:

120

Syntax

int

OID

nsmsgQuotaWarn

Origin

Netscape Messaging Server 4.0

Definition

Provides a warning to client when quota exceeds the level specified.

Default setting:

90

Syntax

int

OID

nsmsgReadTimeout

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the period of time permitted to get the hello string and the reply of the config refresh command from the server.

Default setting:

10

Syntax

+int

OID

nsmsgReserved0

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved1

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved2

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmmsgReserved3

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved4

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved5

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved6

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved7

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved8

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmsgReserved9

Origin

Netscape Messaging Server 4.0

Definition

Reserved.

Syntax

OID

nsmmsgRewriteToCc

Origin

Netscape Messaging Server 4.0

Definition

Specifies the recipient types to attempt to rewrite.

Possible values include:

- True, True: rewrites to "To:" and "CC:" recipients
- True, False: rewrites to "To:" recipients
- False, False: no rewrites to any recipients

Default setting:

nsmmsgRewriteToCC: True, True

Syntax

comma-separated boolean

OID

nsmsgRolloverTime

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the interval between log file rollovers.

Default setting:

86400

Syntax

+int

OID

nsmmsgRoutingAttribute

Origin

Netscape Messaging Server 4.0

Definition

Specifies the attribute to be used when `nsmmsgEnvelopeRewriteMethod` includes `ERM_ROUTING_ATTR`.

Default setting is the `mailRoutingAddress`.

Syntax

OID

nsmsgRenotifyInterval

Origin

Netscape Messaging Server 4.0

Definition

Unused.

Syntax

OID

nsmsgRequireCRLF

Origin

Netscape Messaging Server 4.0

Definition

Used in 3.x to to accept CRLF or CR to end lines. Both are accepted in 4.0

Syntax

boolean

OID

nsmsgRoutStripIMAPFolders

Origin

Netscape Messaging Server 4.0

Definition

when set to Yes, strips IMAP folder names from receipt addresses for routing purposes.

This setting should be enabled when there are email addresses or user IDs at a site that use "+". This will prevent addresses of the form "joe+foldername@where.com" from being delivered to the folder "foldername" in joe's mailbox.

Default setting:

Syntax

boolean

OID

nsmmsgSiteLanguage

Origin

Netscape Messaging Server 4.0

Definition

Specifies the default language for the site.

Default setting:

en

Syntax

cis

OID

nsmmsgShellPath

Origin

Netscape Messaging Server 4.0

Definition

Used to specify the location of Program-Deliver programs. The Messaging Server checks ../msg<instance>/bin/delivery before checking the directory path specified with this attribute.

Default setting:

nsmmsgshellpath:/bin:/usr/bin:usr/ucb

Syntax

cis dirpath (use comma to separate multiple dirpaths)

OID

nsmmsgSMTPRewriteStyle

Origin

Netscape Messaging Server 4.0

Definition

Specifies the rewrite style used in Header rewrite of "From:", "To:", and "Cc:".

Possible values include:

- never: never rewrite
- none: only rewrite if address is exposed (local part with no domain)
- quoted: use form "User name" <user@domain>
- comment: use form user@domain "User name"

Default setting:

quoted

Syntax

cis

OID

nsmsgSSLPasswdFile

Origin

Netscape Messaging Server 4.0

Definition

Specifies the password for each key file.

Default setting:

Syntax

string

OID

nsmmsgSSLPort

Origin

Netscape Messaging Server 4.0

Definition

Specifies the SSL (Secure Socket Layer) server port number.

Default setting:

Syntax

boolean

OID

nsmsgSSLUseSSL

Origin

Netscape Messaging Server 4.0

Definition

Determines whether to disable SSL.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgSSLUseSSLRelay

Origin

Netscape Messaging Server 4.0

Definition

Default setting:

Syntax

OID

nsmsgSystemMailDir

Origin

Netscape Messaging Server 4.0

Definition

Unused in 4.0

Default setting:

nsmsgSystemMailDir:

Syntax

cis, dirpath

OID

nsmmsgStripCR

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, end-of-line messages to be delivered (in Unix-Deliver) are converted from CR/LF to LF.

Default setting:

Yes

Syntax

boolean

OID

nsmmsgTimeoutCommand

Origin

Netscape Messaging Server 4.0

Definition

Specifies the time, in seconds, to wait between commands.

Default setting:

600

Syntax

+int

OID

nsmmsgTimeoutData

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for each DATA line.

Default setting:

600

Syntax

+int

OID

nsmsgTimeoutDataDot

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to final (after sending message text).

Default setting:

900

Syntax

+int

OID

nsmsgTimeoutDataSend

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait between DATA lines. Default setting:

300

Syntax

+int

OID

nsmsgTimeoutGreet

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to initial greeting.

Default setting:

600

Syntax

+int

OID

nsmsgTimeoutHELO

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to HELO.

Default setting:

600

Syntax

+int

OID

nsmsgTimeoutMail

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to MAIL.

Default setting:

600

Syntax

+int

OID

nsmsTimeOutQuit

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to QUIT.

Default setting:

600

Syntax

+int

OID

nsmsgTimeoutRcpt

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to RCPT.

Default setting:

600

Syntax

+int

OID

nsmmsgTimeoutRset

Origin

Netscape Messaging Server 4.0

Definition

Specifies, in seconds, the maximum time to wait for reply to RSET.

Default setting:

600

Syntax

+int

OID

nsmsgUmask

Origin

Netscape Messaging Server 4.0

Definition

This is not a configurable parameter.

The pre-configured setting is:

077

Syntax

int

OID

nsmsgUnknownAcctsActions

Origin

Netscape Messaging Server 4.0

Definition

Specifies actions to take when a message recipient is been determined to be unknown.

Possible actions include:

- 1: return
- 2: hold
- 4: notify
- 8: log

Value provided is cumulative and represents the total of all the actions added together (see also `nsmsgHopCountExceedActions`).

Default setting:

13

Syntax

int (1-15)

OID

nsmmsgUseMX

Origin

Netscape Messaging Server 4.0

Definition

When set to Yes, MX records are used when looking up an SMTP client domain in DNS. When set to No, A records are used.

Default setting:

Yes

Syntax

cis

OID

nsmmsgVerifyRcpts

Origin

Netscape Messaging Server 4.0

Definition

Used to verify RCPTS in "Accept:" (when received in "RCTP To:" command in SMTP session).

Default setting:

No

Syntax

cis

OID

nsmsgVersion

Origin

Netscape Messaging Server 4.0

Definition

Reserved for internal use. Specifies the current version of the Messaging Server.

Default setting:

4.0

Syntax

cis

OID

nsnewsACL

Origin

Netscape Collabra Server

Definition

Used to identify the access control set for individual news groups. The format and nature of the information placed on this attribute by the Collabra Server is subject to change without notice.

For example:

```
nsnewsACL: 2:*:a:D::admin:bpolk::d:*:a:D::manager:admin::d
```

Syntax

cis

OID

2.16.840.1.113730.3.1.191

nsNickname

Origin

Netscape Administration Server 4.0

Definition

The nickname for the Netscape product. For example, admin for Netscape Administration Server.

For example:

nsnickname:admin, slapd, msg

Syntax

cis

OID

2.16.840.1.113730.3.1.283

nsNumDepts

Origin

Netscape Delegated Administrator 4.0

Definition

Identifies the number of departments in use in delegated administrator.
For example:

```
nsNumDepts:20
```

Syntax

cis

OID

nsNumDomains

Origin

Netscape Delegated Administrator 4.0

Definition

Specifies the number of delegated administration domains.

For example:

```
nsNumDomains:10
```

Syntax

cis

OID

nsNumUsers

Origin

Netscape Delegated Administrator 4.0

Definition

Identifies the number of user accounts in use in delegated administrator.
For example:

nsNumUsers:25

Syntax

cis

OID

nsNYR

Origin

Netscape Administration Server 4.0

Definition

Indicates whether the user has the LiveLead function in the Netscape console.
For example:

```
nsnyr:true
```

Syntax

cis

OID

2.16.840.1.113730.3.1.271

nsOSVersion

Origin

Netscape Administration Server 4.0

Definition

The operating system version of the host machine.

For example:

nsOsVersion:Windows NT4.0 (Build 1381)

Syntax

cis

OID

2.16.840.1.113730.3.1.287

nsPIDLog

Origin

Netscape Administration Server 4.0

Definition

Specifies the location of the PID log file.

For example:

```
nspidlog:admin-serv/logs/pid
```

Syntax

cis

OID

2.16.840.1.113730.3.1.305

nsPrettyName

Origin

Netscape Collabra Server

Definition

Identifies the pretty name or display name for the news group. Used on nginfo entries to identify individual news groups. The format and nature of the information placed on this attribute by the Collabra Server is subject to change without notice.

For example:

nsprettyname: MKTG FOR RACHU

Syntax

cis

OID

2.16.840.1.113730.3.1.193

nsPreference

Origin

Netscape Administration Server 4.0

Definition

Stores user preference information for the Netscape console.

For example:

nspreference:N/A

Syntax

cis

OID

2.16.840.1.113730.3.1.273

nsProductName

Origin

Netscape Administration Server 4.0

Definition

Specifies the official Netscape product Name.

For example:

nsproductname:Netscape Administration Server

Syntax

cis

OID

2.16.840.1.113730.3.1.291

nsProductVersion

Origin

Netscape Administration Server 4.0

Definition

The version number for the installed Netscape product.

For example:

```
nsproductversion:4.0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.293

nsRecord

Origin**Definition**

Defines the *** of the entry.

Example

nsRecord: ***

Syntax

cis

OID

nsRevisionNumber

Origin

Netscape Administration Server 4.0

Definition

The internal build revision number of the Netscape product.

For example:

```
nsrevisionnumber:
```

Syntax

cis

OID

2.16.840.1.113730.3.1.295

nsSearchFilter

Origin

Netscape Delegated Administrator 4.0

Definition

Not available in 4.0. Reserver for future development.

For example:

```
nsSearchFilter:
```

Syntax

cis

OID

nsSerialNumber

Origin

Netscape Administration Server 4.0

Definition

The serial number of the product.

For example:

nsserialnumber:

Syntax

cis

OID

2.16.840.1.113730.3.1.296

nsServerAddress

Origin

Netscape Administration Server 4.0

Definition

The IP address of the server.

For example:

nsserveraddress:208.12.63.101

Syntax

cis

OID

2.16.840.1.113730.3.1.281

nsServerCreationClassname

Origin

Netscape Administration Server 4.0

Definition

When a value is defined for this parameter, indicates that the installed server product supports creation of new instances. The java API is specific in the value.

For example:

```
nsservercreationclassname:com.netscape.admin.dirserv.task.MigrateCreate@ds40.jar
```

Syntax

cis

OID

2.16.840.1.113730.3.1.301

nsServerID

Origin

Netscape Administration Server 4.0

Definition

Specifies the server product ID.

For example:

ns serverid:admin-serv, slapd-kizzame

Syntax

cis

OID

2.16.840.1.113730.3.1.276

nsServerMigrationClassname

Origin

Netscape Administration Server 4.0

Definition

When a value is present for this parameter, indicates that the installed server product supports migration from previous versions. The value is the java API that does themigration.

For example:

```
nsservermigrationclassname:com.netscape.management.admserv.AdminServerProduct@admserv40.jar
```

Syntax

cis

OID

2.16.840.1.113730.3.1.300

nsServerPort

Origin

Netscape Administration Server 4.0

Definition

The port number of the server.

For example:

nsserverport:389

Syntax

cis

OID

2.16.840.1.113730.3.1.280

nsServerSecurity

Origin

Netscape Administration Server 4.0

Definition

Used to enable and disable server security.

For example:

```
nssecurityserver:on
```

Syntax

cis

OID

2.16.840.1.113730.3.1.308

nsSNMPContact

Origin

Netscape Directory Server

Definition

Optional contact person for the server. This information is provided to any SNMP client querying the directory SNMP agent

For example:

```
nsSNMPContact:miguel@acme.com
```

Syntax

cis

OID

2.16.840.1.113730.3.1.235

nsSNMPDescription

Origin

Netscape Directory Server

Definition

Optional description of the server. This information is provided to any SNMP client querying the directory SNMP agent.

For example:

nsSNMPDescription:Netscape Directory Server for Human Resources

Syntax

cis

OID

2.16.840.1.113730.3.1.236

nsSNMPEnabled

Origin

Netscape Directory Server

Definition

Set to on if SNMP statistics collection is to be enabled. Set to off to disable.

For example:

```
nsSNMPEnabled: on
```

Syntax

cis

OID

2.16.840.1.113730.3.1.232

nsSNMPLocation

Origin

Netscape Directory Server

Definition

Optional name of the location of the server. This information is provided to any SNMP client querying the directory SNMP agent.

For example:

nsSNMPLocation:Red Bluff, CA

Syntax

cis

OID

2.16.840.1.113730.3.1.234

nsSNMPMasterHost

Origin

Netscape Directory Server

Definition

UNIX only: Identifies the required host name for the server where the SNMP master agent is running.

For example:

`nsSNMPMasterHost:server.acme.com`

Syntax

`cis`

OID

`2.16.840.1.113730.3.1.237`

nsSNMPMasterPort

Origin

Netscape Directory Server

Definition

UNIX only: Identifies the required port for directory SNMP subagent to use to communicate with the SNMP master agent. With DS 4.0, the port should be set to 199.

For example:

```
nsSNMPMasterPort:199
```

Syntax

cis

OID

2.16.840.1.113730.3.1.238

nsSNMPOrganization

Origin

Netscape Directory Server

Definition

Optional name of the Organization managing and owning this server. This information is provided to any SNMP client querying the directory SNMP agent.

For example:

nsSNMPOrganization:Acme Communications, Ltd.

Syntax

cis

OID

2.16.840.1.113730.3.1.233

nsSSL2

Origin

Netscape Administration Server 4.0

Definition

Used to enable and disableSSL2 ciphers.

For example:

```
nsssl2:on
```

Syntax

cis

OID

2.16.840.1.113730.3.1.311

nsSSL2Ciphers

Origin

Netscape Administration Server 4.0

Definition

Lists SSL2-supported ciphers, with -/+(off/on) attributes.

For example:

```
nsssl2ciphers:+rc4,+rc4export,-rc2,+rc2export,-des,+desede3
```

Syntax

cis

OID

2.16.840.1.113730.3.1.316

nsSSL3

Origin

Netscape Administration Server 4.0

Definition

Used to enable and disable SSL3 ciphers.

For example:

```
nsssl3:on
```

Syntax

cis

OID

2.16.840.1.113730.3.1.312

nsSSL3Ciphers

Origin

Netscape Administration Server 4.0

Definition

Lists SSL3-supported ciphers, with -/+(off/on) attributes.

For example:

```
nsssl2ciphers:+rsa_rc4_128_md5,-rsa_3des_sha,+rsa_des_sha,-  
rsa_rc4_40_md5,+rsa_rc2_40_md5,-rsa_null_md
```

Syntax

cis

OID

2.16.840.1.113730.3.1.317

nsSSL3SessionTimeout

Origin

Netscape Administration Server 4.0

Definition

Specifies, in seconds, the SSL v3 cipher session timeout value. Hard-coded, not configurable.

For example:

```
nsssl3sessiontimeout:
```

Syntax

cis

OID

2.16.840.1.113730.3.1.315

nsSSLActivation

Origin

Netscape Administration Server 4.0

Definition

Used to enable a cipher family.

For example:

```
nssslactivation:on
```

Syntax

cis

OID

2.16.840.1.113730.3.1.320

nsSSLClientAuth

Origin

Netscape Administration Server 4.0

Definition

Used by other servers to enable and disable certificate-based client authentication.

For example:`nssslclientauth:on`

Syntax

`cis`

OID

2.16.840.1.113730.3.1.31

nsSSLPersonalitySSL

Origin

Netscape Administration Server 4.0

Definition

Specifies the certificate name.

For example:

```
nssslpersnalityssl:Server-Cert
```

Syntax

cis

OID

2.16.840.1.113730.3.1.319

nsSSLSessionTimeout

Origin

Netscape Administration Server 4.0

Definition

Specifies, in seconds, the SSL2 cipher session timeout value. Hard-coded, not configurable.

For example:

```
nssslsessiontimeout:0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.314

nsSSLToken

Origin

Netscape Administration Server 4.0

Definition

Specifies the token name for the security modules. This specify which modules should be used for encryption.

For example:

```
nsssltoken:internal(software)
```

Syntax

cis

OID

2.16.840.1.113730.3.1.318

nsslapdBackend

Origin

Netscape Directory Server 4.0

Definition

cn of Database backend associated with the particular plugin.

For example:

```
nsslapd-backend: cn=ldbm
```

Syntax

dn

OID

2.16.840.1.113730.3.1.239

nsslapdPluginDescription

Origin

Netscape Directory Server 4.0

Definition

Short description of the plugin.

For example:

nsslapd-plugindescription: "telephone attribute syntax plugin"

Syntax

cis

OID

2.16.840.1.113730.3.1.230

nsslapdPluginEnabled

Origin

Netscape Directory Server 4.0

Definition

Determines whether the plugin is on or off. Set to on to enable the plug-in. Set to off to disable the plugin.

For example:

```
nsslapdpluginenabled:0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.231

nsslapdPluginId

Origin

Netscape Directory Server 4.0

Definition

Provides the string used to identify the plugin.

For example:

nsslapd-pluginid: "bin-syntax

Syntax

cis

OID

2.16.840.1.113730.3.1.127

nsslapdPluginInitFunc

Origin

Netscape Directory Server 4.0

Definition

Identifies the function called by slapd to initialize the plugin when it is loaded.

For example:

```
nsslapd-pluginInitfunc:"orderingRule_init"
```

Syntax

ces

OID

2.16.840.1.113730.3.1.225

nsslapdPluginPath

Origin

Netscape Directory Server 4.0

Definition

Provides the fully-qualified path to the directory plugin.

For example:

```
nsslapd-pluginpath: /export2/ds4/lib/liblcoll.so
```

Syntax

ces

OID

2.16.840.1.113730.3.1.224

nsslapdPluginType

Origin

Netscape Directory Server 4.0

Definition

Identifies the type of plugin. For example, a plugin could be identified as

- database
- postoperation
- preoperation
- syntax
- matchingRule

For example:

```
nsslapd-pluginType:"matching rule"
```

Syntax

cis

OID

2.16.840.1.113730.3.1.226

nsslapdPluginVendor

Origin

Netscape Directory Server 4.0

Definition

Identifies the plugin vendor.

For example:

nsslapd-pluginvendor: Netscape

Syntax

cis

OID

2.16.840.1.113730.3.1.229

nsslapdPluginVersion

Origin

Netscape Directory Server 4.0

Description

Identifies the version number of the plugin.

For example:

```
nsslapd-pluginversion:4.0b1
```

Syntax

cis

OID

2.16.840.1.113730.3.1.228

nsSuiteSpotUser

Origin

Netscape Administration Server 4.0

Definition

Specifies the UNIX user account for servers installed in the server root.
For example:

```
nssuitespotuser:nobody
```

Syntax

cis

OID

2.16.840.1.113730.3.1.303

nsSystemIndex

Origin

Netscape Directory Server

Definition

The server uses this attribute to distinguish system indexes from user-specified indexes.

Indexes the server always maintains and indexes required for efficient functioning of the server have the value of “true”.

User-specified indexes have the value of “false” (unless the server also maintains this index internally, in which case it may have the value of “true”).

For example:

```
nsSystemIndex:true
```

Syntax

cis

OID

2.16.840.1.113730.3.1.242

nsTaskLabel

Origin

Netscape Administration Server 4.0

Definition

Specifies the label for the program to reference a task.

For example:

```
nstasklabel:configuration
```

Syntax

cis

OID

2.16.840.1.113730.3.1.321

nsUniqueAttribute

Origin

Netscape Administration Server 4.0

Definition

Used with nsUserIDFormat to determine the uid format of new user objects created in the Netscape console. When the value of nsUniqueAttribute is set to “cn”, “mail” or another attribute, then the uid will be a copy of the specified attribute. When the value of nsUniqueAttribute is set to “uid”, then the Netscape console will create the uid according to nsUserIDFormat.

For example:nsUniqueAttribute:uid

Syntax

cis

OID

2.16.840.1.113730.3.1.266

nsUserIDFormat

Origin

Netscape Administration Server 4.0

Definition

Used with nsUniqueAttribute to determine the uid format of new user objects created in the Netscape console. When the value of nsUniqueAttribute is set to “uid”, then the Netscape console will create the UID according to nsUserIDFormat. Possible values include:

- firstletter_lastname
- givenname_firstletter
- lastname_givenname
- givenname_lastname

For example:

nsuseridformat:firstletter_lastname

Syntax

cis

OID

2.16.840.1.113730.3.1.267

nsUserRDNComponent

Origin

Netscape Administration Server 4.0

Definition

Used to specify the default RDN for new user object. The default value is “uid”.

For example:

```
nsuserrdncomponent:uid
```

Syntax

cis

OID

2.16.840.1.113730.3.1.268

nsViewConfiguration

Origin

Netscape Administration Server 4.0

Definition

Used to store the default custom view configuration information. Contains a list of object ids. The Netscape console uses this object ID to display the custom view's object.

For example:

```
nsviewconfiguration:cn=admin-server-machine,cn=Netscape  
Administration Server, cn=Server Group, cn=machine.mcom.com,  
ou=mcom.com, o=NetscapeRoot|cn=admin-server-  
machine1,cn=Netscape Administration Server, cn=Server Group,  
cn=machine1.mcom.com, ou=mcom.com, o=NetscapeRoot
```

Syntax

cis

OID

2.16.840.1.113730.3.1.275

nsWellKnownJarfiles

Origin

Netscape Administration Server 4.0

Definition

Used to list all known plugin jar files reserved for later use.

For example:

nswellknownjarfiles:

Syntax

cis

OID

2.16.840.1.113730.3.1.270

nswmExtendedUserPrefs

Origin

Netscape Messagng Server 4.1

Definition

Defines user preferences for Netscape Messenger Express.

For example:

```
nswmExtendedUserPrefs:
```

Syntax

cis

OID

nsVendor

Origin

Netscape Administration Server 4.0

Definition

Identifies the product vendor.

For example:

nsvendor:Spong Communications Company

Syntax

cis

OID

2.16.840.1.113730.3.1.290

ntGroupAttributes

Origin

Netscape Directory Server (version 1.0 only)

Definition

Reserved for use by the NT synchronization service to store the attributes of an NT group.

For example:

ntGroupAttributes:

Syntax

bin (single)

OID

1.2.840.113556.1.4.152

ntGroupCreateNewGroup

Origin

Netscape Directory Server (version 1.0 only)

Definition

Reserved for use by the NT synchronization service.

For example:

ntGroupCreateNewGroup:

Syntax

cis

OID

2.16.840.1.113730.3.1.45

ntGroupDeleteGroup

Origin

Netscape Directory Server 1.0

Definition

Reserved for use by the NT synchronization service.

For example:

ntGroupDeleteGroup:

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.46

ntGroupDomainId

Origin

Netscape Directory Server 1.0

Definition

Used by the NT synchronization service to store the NT Global Groupname / Domain tuple.

For example:

```
ntGroupDomainId: ***
```

Syntax

cis

OID

2.16.840.1.113730.3.1.44

ntGroupId

Origin

Netscape Directory Server 1.0

Definition

Undefined.

For example:

ntGroupId:

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.110

ntGroupType

Origin

Netscape Directory Server x.x

Definition

Indicates the type of NT group. Valid values include:

- NT Localgroup
- NT Globalgroup

For example:

ntGroupType: NT Globalgroup

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.47

ntUserAcctExpires

Origin

Netscape Directory Server

Definition

Indicates when the entry's Windows NT account will expire. This value is stored as a string in GMT format.

For example:

ntUserAcctExpires: 19961015203415

Syntax

cis (single)

OID

1.2.840.113556.1.4.159

ntUserAuthFlags

Origin

Netscape Directory Server

Definition

Identifies an unsigned long integer that contains the entry's operator privileges on the Windows network.

For example:

ntUserAuthFlags: AAAAAA==

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.60

ntUserBadPwCount

Origin

Netscape Directory Server

Definition

Identifies the number of attempts to log on to the Windows account using an incorrect password. A value of 0xFFFFFFFF represents that the value is unknown.

For example:

```
ntUserBadPwCount: AAAAAA==
```

Syntax

cis (single)

OID

1.2.840.113556.1.4.12

ntUserCodePage

Origin

Netscape Directory Server

Definition

Code page for the user's language of choice.

For example:

ntUserCodePage: AAAAAA==

Syntax

cis (single)

OID

1.2.840.113556.1.4.16

ntUserComment

Origin

Netscape Directory Server

Definition

ASCII string representing a description or comments about this entry.

For example:

ntUserComment: Quality control inspector for the ME2873 product line

Syntax

cis (single)

OID

1.2.840.113556.1.4.156

ntUserCountryCode

Origin

Netscape Directory Server

Definition

Country code for the user's language of choice.

For example:

ntUserCountryCode: AAAAAA==

Syntax

cis (single)

OID

1.2.840.113556.1.4.25

ntUserCreateNewAccount

Origin

Netscape Directory Server

Definition

Indicates whether a corresponding NT user account should be created for the new person entry in the directory server. Accept values are true and false.

If ntUserCreateNewAccount is set to True and an NT account does not exist for the specified user name, an NT account will be created. If the attribute is set to False and an NT account does not exist, an error will be logged. If an NT account exists and the attribute is set to False, the existing NT account will be updated.

ntUserCreateNewAccount can be edited from directory server.

For example:

```
ntUserCreateNewAccount: true
```

Syntax

cis

OID

2.16.840.1.113730.3.1.42

ntUserDeleteAccount

Origin

Netscape Directory Server

Definition

Indicates whether the NT user account should be deleted when the entry is deleted from the directory server. Accepted values are true and false.

If the attribute is set to true, the NT user account will be deleted when the entry is deleted from the directory server. If the attribute is set to false, the NT user account will not be deleted.

ntUserDeleteAccount can be edited from directory server.

For example:

```
ntUserDeleteAccount: true
```

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.43

ntUserDomainId

Origin

Netscape Directory Server

Definition

Identifies the NT domain name and user name of the entry in the format <NT-domain-name>:<NT-username>.

NTUserDomainId can be edited from the directory server.

For example:

```
ntUserDomainId: workgroup:jsmith
```

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.41

ntUserFlags

Origin

Netscape Directory Server

Definition

Identifies values that determine several features about the user and their account.

For example:

ntUserFlags: AQIBAA==

Syntax

bin (single)

OID

1.2.840.113556.1.4.38

ntUserHomeDir

Origin

Netscape Directory Server

Definition

ASCII string that represents the path of the user's home directory. The string can be null.

For example:

```
ntUserHomeDir: c:\u\d78\jsmith\
```

Syntax

cis (single)

OID

1.2.840.113556.1.4.44

ntUserHomeDirDrive

Origin

Netscape Directory Server

Definition

ASCII string that represents the drive letter assigned to the user's home directory.

For example:

```
ntUserHomeDirDrive: c:
```

Syntax

cis (single)

OID

1.2.840.113556.1.4.45

ntUserLastLogoff

Origin

Netscape Directory Server

Definition

Identifies the time of the last logoff. This value is stored as a string in GMT format.

Note that if security logging is turned on, then this attribute is updated on synchronization only if some other aspect of the user's entry has changed.

For example:

ntUserLastLogoff: 19961015203415Z

Syntax

cis (single)

OID

1.2.840.113556.1.4.51

ntUserLastLogon

Origin

Netscape Directory Server

Definition

Identifies the time of the last logon. This value is stored as a string in GMT format. If security logging is turned on, then this attribute is updated on synchronization only if some other aspect of the user's entry has changed.

For example:

ntUserLastLogon: 19961015203415Z

Example

Syntax

cis (single)

OID

1.2.840.113556.1.4.52

ntUserLogonHours

Origin

Netscape Directory Server

Definition

Identifies the times during which the user may log on. Time is represented by a one-to-one correspondence between the hour of the week and a bit within the string. If security logging is turned on, then this attribute is updated on synchronization only if some other aspect of the user's entry has changed.

bit 0 word 0 is Sunday, 0:00 to 0:59. Bit 1 word 0 is Sunday, 1:00 to 1:59

For example:

ntUserLogonHours: ///1000011000000101111111...

Syntax

bin (single)

OID

1.2.840.113556.1.4.64

ntUserLogonServer

Origin

Netscape Directory Server

Definition

ASCII string that represents the name of the server to which the user's logon requests are sent. Server names should be preceded by two backslashes (\ \). Server names of \ * indicate that the logon request can be handled by any logon server. A null string represents that requests are sent to the domain controller.

For example:

ntUserLogonServer: \ \firefly

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.65

ntUserMaxStorage

Origin

Netscape Directory Server

Definition

Maximum amount of disk space the user may use.

For example:

ntUserMaxStorage: //////////W==

Syntax

bin (single)

OID

1.2.840.113556.1.4.76

ntUserNumLogons

Origin

Netscape Directory Server

Definition

Identifies the number of successful logons to this account. A value of 0xFFFFFFFF indicates the value is unknown.

For example:

```
ntUserNumLogons: WwAAAA==
```

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.6

ntUserParms

Origin

Netscape Directory Server

Definition

Unicode string reserved for use by applications.

For example:

ntUserParms: Temp date is today

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.62

ntUserPasswordExpired

Origin

Netscape Directory Server

Definition

Identifies if the user's NT password has expired. The value will be zero if the password has not expired, or nonzero if it has.

For example:

```
ntUserPasswordExpired: AAAAAA==
```

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.68

ntUserPrimaryGroupId

Origin

Netscape Directory Server

Definition

Identifies the relative ID (RID) of the Primary Global Group for the user.

For example:

ntUserPrimaryGroupId: AQJAAA==

Syntax

bin (single)

OID

1.2.840.113556.1.4.98

ntUserPriv

Origin

Netscape Directory Server

Definition

Identifies the user's level of privilege on the Window's NT Network.

For example:

ntUserPriv:

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.59

ntUserProfile

Origin

Netscape Directory Server

Definition

Identifies a path to the user's profile.

For example:

```
ntUserProfile: c:\u\d78\jsmith\profile.txt
```

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.67

ntUserScriptPath

Origin

Netscape Directory Server

Definition

ASCII string that represents the path to the user's logon script.

For example:

ntUserScriptPath: c:\u\d78\jsmith\lscript.bat

Syntax

cis (single)

OID

1.2.840.113556.1.4.62

ntUserUniqueId

Origin

Netscape Directory Server

Definition

Identifies the unique identifier of an NT user. The identifier uniquely identifies the user to SAM within the domain for all time.

For example:

ntUserUniqueId: 6AMAAA==

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.66

ntUserUnitsPerWeek

Origin

Netscape Directory Server

Definition

Identifies the number of equal length time units to divide the week into in order to compute the length of ntUserLogonHours.

For example:

ntUserUnitsPerWeek: qAAAAA==

Syntax

bin (single)

OID

2.16.840.1.113730.3.1.6

ntUserUsrComment

Origin

Netscape Directory Server

Definition

ASCII string representing a description or comments about this entry.

For example:

```
ntUserUsrComment: Quality control inspector for the ME2873  
product line
```

Syntax

cis (single)

OID

2.16.840.1.113730.3.1.61

ntUserWorkstations

Origin

Netscape Directory Server

Definition

ASCII string that represents the names of workstations from which the user may log on. Up to eight workstations may be specified by separating each with a comma. Use null to allow the user to log on from any workstation.

For example:

```
ntUserWorkstations: firefly
```

Syntax

cis (single)

OID

1.2.840.113556.1.4.86

O

o (organizationName)

Origin

LDAP

Definition

Identifies the name of the organization.

For example:

organizationName: Airius, Inc.

or

o: Airius, Inc

Syntax

cis

OID

2.5.4.10

objectClass

Origin

LDAP

Definition

Specifies the object classes of the object. Must include the object.

For example:

```
objectClass: person
```

Syntax

cis, 1-many

OID

2.5.4.0

objectClasses

Origin

LDAP

Definition

Operational, multi-valued attribute that defines the object classes used in a subschema. Each value defines one object class.

For example:

objectClasses:

Syntax

operational (multiple)

OID

2.5.21.6

obsoletedByDocument

Origin

Definition

Contains the distinguished name of a document that obsoletes the document entry.

Syntax

dn

OID

obsoletesDocument

Origin

Definition

Contains the distinguished name of a document that is obsoleted by the document entry.

Syntax

dn

OID

oid

Origin

Netscape Directory Server

DefinitionUsed by the directory server to uniquely identify a feature. For example, 2.16.840.1.113730.3.4.9 is the VLV request control OID)

For example:

oid:

Syntax

cis

OID

oncRpcNumber

Origin

Netscape Directory Server 4.0

Definition

For example:

oncRpcNumber :

Syntax

int

OID

1.3.6.1.1.1.1..18

organizationalStatus

Origin

Netscape Directory Server

Definition

Specifies a category by which a person is often referred to in an organization.
For example:

```
organizationalStatus: researcher
```

Syntax

cis

OID

0.9.2342.19200300.100.1.45

otherMailbox

Origin

Netscape Directory Server

Definition

Specifies values for electronic mailbox types other than X.400 and rfc822.

For example:

```
otherMailbox: internet $ jdoe@airius.com
```

Syntax

cis

OID

2.0.9.2342.19200300.100.1.2

ou (organizationUnitName)

Origin

LDAP

Definition

Identifies the name of an organizational unit.

For example:

organizationUnitName: Marketing

or

ou: Marketing

Syntax

cis

OID

2.5.4.11

owner

Origin

LDAP

Definition

Identifies the distinguished name (DN) of the person responsible for the entry.

For example:

`owner: cn=John Smith, o=Netscape Communications Corp., c=US`

Syntax

dn

OID

2.5.4.32

P

pager

Origin

Netscape Directory Server

Definition

Identifies the entry's pager phone number. Abbreviation: pager.

For example:

```
pagerTelephoneNumber: 415-555-6789
```

or

```
pager: 415-555-6789
```

Syntax

tel

OID

0.9.2342.19200300.100.1.42

passwordAllowChangeTime

Origin

Netscape Directory Server

Definition

Used by password policy to store the time when the next password change is allowed.

For example:

```
passwordAllowChangeTime:
```

Syntax

cis (operational)

OID

2.16.840.1.113730.3.1.214

passwordChange

Origin

Netscape Directory Server (3.x functionality simplified for 4.0)

Definition

Determines whether users can or cannot change passwords. Accepted values for directory server release 4.0:

- 1 -- user can change password
- 0 -- user cannot change password

This attribute's functionality was slightly different in release 3.x. Accepted values for directory server, release 3.x:

- must -- user required to change password at a designated interval
- may -- user may change password at user's discretion
- no -- user cannot change password

For example:

passwordChange: no

Syntax

cis

OID

2.16.840.1.113730.3.1.102

passwordCheckSyntax

Origin

Netscape Directory Server

Definition

Determines whether password syntax checking is on or off.

Accepted values:

- 1 -- syntax checking is on
- 0 -- syntax checking is off.

Syntax

cis

OID

2.16.840.1.113730.3.1.103

passwordExp

Origin

Netscape Directory Server

Definition

Determines whether user passwords expire.

Accepted values:

- 1 -- passwords expire
- 0 -- passwords never expire

Syntax

cis

OID

2.16.840.1.113730.3.1.98

passwordExpirationTime

Origin

Netscape Directory Server

Definition

Defines, in YYYYMMDDHHMMSS format, the date and time when a user password expires.

For example:

```
passwordExpirationTime: 19991231235959
```

Syntax

cis (operational)

OID

2.16.840.1.113730.3.1.91

passwordExpWarned

Origin

Netscape Directory Server

Definition

Indicates whether a password expiration warning has been sent to a user.
Accepted values:

- 1 -- indicates that a warning has been sent to the user
- 0 -- indicates that no warning has been sent to the user.

Syntax

cis (operational)

OID

2.16.840.1.113730.3.1.9

passwordHistory

Origin

Netscape Directory Server

Definition

Provides a history of the user's passwords, in the format
YYYYMMDDHHMMSS{encryption method}[password]

For example:

passwordHistory:

19990909190821{SHA}FSG7BH6Aa6LK3UVISizMytdgtQ8

Syntax

bin (operational)

OID

2.16.840.1.113730.3.1.96

passwordInHistory

Origin

Netscape Directory Server

Definition

Specifies how many entries should be stored in the history list (when a password history is being maintained).

For example:

```
passwordInHistory: 6
```

Syntax

cis

OID

2.16.840.1.113730.3.1.101

passwordKeepHistory

Origin

Netscape Directory Server

Definition

Determines whether password histories should be kept for users.

Accepted values:

- 1 -- password histories maintained for users
- 0 -- no password histories maintained for users

Syntax

cis

OID

2.16.840.1.113730.3.1.100

passwordLockout

Origin

Netscape Directory Server

Definition

Determines whether users can be locked out after a succession of failed attempts to bind to the directory.

Accepted values:

- 1 -- users can be locked out
- 0 -- users can't be locked out.

Syntax

cis

OID

2.16.840.1.113730.3.1.105

passwordLockoutDuration

Origin

Netscape Directory Server

Definition

Specifies, in seconds, the period of time to lock users out of the directory. This attribute goes into effect when the user attempts the number of retries specified by the passwordMaxFailure attribute.

For example:

```
passwordLockoutDuration:600
```

Syntax

cis

OID

2.16.840.1.113730.3.1.109

passwordMaxAge

Origin

Netscape Directory Server

Definition

Specifies, in seconds, the period of time passwords can be used before they expire.

For example:

```
passwordMaxAge:8640000
```

Syntax

cis

OID

2.16.840.1.113730.3.1.97

passwordMaxFailure

Origin

Netscape Directory Server

Definition

Specifies the maximum number of failed attempts to bind to the directory permitted before the server locks the user out.

For example:

```
passwordMaxFailure: 3
```

Syntax

cis

OID

2.16.840.1.113730.3.1.106

passwordMinAge

Origin

Netscape Directory Server

Definition

Specifies, in seconds, the period of time a password must be in effect before a user can change it.

Once password is created or changed, it cannot be modified for the period of time specified password MinAgetime. A setting of “0” allows the user to change the password at any time.

For example:

```
passwordMinAge: 0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.22

passwordMinLength

Origin

Netscape Directory Server

Definition

Specifies the minimum number of characters required for a user's password.

For example:

```
passwordMinLength:6
```

Syntax

cis

OID

2.16.840.1.113730.3.1.99

passwordMustChange

Origin

Netscape Directory Server

Definition

Specifies whether users must change their password the first time they login (or the first time following a password reset by the administrator).

If this attribute is set to on, the user will be allowed to change the password one time, even if passwordChanges attribute is set to off. Acceptable values:

- 0 -- users don't have to change passwords following initial login / password reset
- 1 -- users must change password following initial login / password reset.

Syntax

cis

OID

2.16.840.1.113730.3.1.220

passwordResetDuration

Origin

Netscape Directory Server

Definition

Specifies, in seconds, the period of time that passes before the server resets the retry count to zero.

For example:

```
passwordresetduration:600
```

Syntax

cis

OID

2.16.840.1.113730.3.1.107

passwordResetFailureCount

Origin

Netscape Directory Server

Definition

Specifies the period of time that passes before the server resets the retry count to zero. The password failure count needs to be reset to zero periodically, in order to make sure the failure count does not grow to the point where the user is logged out automatically.

For example:

```
passwordresetfailurecount:600
```

Syntax

cis

OID

2.16.840.1.113730.3.1.223

passwordRetryCount

Origin

Netscape Directory Server

Definition

Records the number of times a user has tried to bind to the directory continuously using an incorrect password.

For example:

```
passwordRetryCount: 3
```

Syntax

cis (operational)

OID

2.16.840.1.113730.3.1.93

passwordStorageScheme

Origin

Netscape Directory Server

Definition

Specifies the type of encryption method. When possible, Netscape recommends using sha as the storage scheme. A null string entered in the form of two double quotation marks indicates that passwords are to be stored in plain text. Acceptable values:

- sha (Secure Hash Algorithm)
- crypt (UNIX crypt algorithm compatible with UNIX passwords).

For example:

```
passwordStorageScheme: sha
```

Syntax

cis

OID

2.16.840.1.113730.3.1.221

passwordUnlock

Origin

Netscape Directory Server

Definition

Specifies whether or not users should be locked out forever after a specified number of failed attempts to bind to the directory. Acceptable values are 1 and 0; where 1 means users shouldn't be locked out forever, and 0 means that users should be locked out forever.

For example:

```
passwordUnlock: 0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.108

passwordWarning

Origin

Netscape Directory Server

Definition

Defines, in seconds, when to send a warning message to users about impending password expiration. In the following example, a warning message would be sent to users one day before their password expires.

For example:

```
passwordWarning:86400
```

Syntax

cis

OID

2.16.840.1.113730.3.1.104

personalSignature

Origin

Netscape Directory Server

Definition

A signature file, in binary format, for the entry

For example:

```
personalSignature: AAAAAA==
```

Syntax

bin

OID

0.9.2342.19200300.100.1.53

personalTitle

Origin

Netscape Directory Server

Definition

Specifies a personal title for a person. Examples of personal titles are "Ms", "Dr", "Prof" and "Rev".

For example:

```
personalTitle: Mr
```

Syntax

cis

OID

0.9.2342.19200300.100.1.40

photo

Origin

Netscape Directory Server

Definition

Contains a photo, in binary form, of the entry.

For example:

```
photo: AAAAAA==
```

Example**Syntax**

bin

OID

0.9.2342.19200300.100.1.7

physicalDeliveryOfficeName

Origin

LDAP

Definition

Identifies the name of the city or village where a physical delivery office is located.

For example:

physicalDeliveryOfficeName: Santa Clara

Syntax

cis

OID

2.5.4.19

pipCompassServers

Origin

Netscape Compass Server

Definition

Undefined

Syntax

cis

OID

2.16.840.1.113730.3.1.138

pipFormat

Origin

Netscape Compass Server

Definition

Defines the format of the free text search profile update sent to the user.

Syntax

cis

OID

2.16.840.1.113730.3.1.144

pipFrequency

Origin

Netscape Compass Server

Definition

Specifies how often a user receives My Compass newsletters.

Syntax

cis

OID

2.16.840.1.113730.3.1.142

pipGroup

Origin

Netscape Compass Server

Definition

Undefined

Syntax

cis

OID

2.16.840.1.113730.3.1.158

pipHour

Origin

Netscape Compass Server

Definition

Specifies the hours during the day that a user receives free text search profile updates.

Syntax

cis

OID

2.16.840.1.113730.3.1.145

pipldStCount

Origin

Netscape Compass Server

Definition

Defines the last unique ID used by the user.

Syntax

cis

OID

2.16.840.1.113730.3.1.159

pipIRList

Origin

Netscape Compass Server

Definition

Specifies the domains and newsgroups a user wishes to monitor.

Syntax

cis

OID

2.16.840.1.113730.3.1.150

pipIROption

Origin

Netscape Compass Server

Definition

Specifies whether entries in pipIrList will be updated or excluded from updates.

Syntax

cis

OID

2.16.840.1.113730.3.1.151

pipLastCount

Origin

Netscape Compass Server

Definition

Contains the number of matches that occurred during the last update.

Syntax

cis

OID

2.16.840.1.113730.3.1.153

pipMaxHits

Origin

Netscape Compass Server

Definition

Specifies the maximum number of documents returned for each free text search profile update.

Syntax

cis

OID

2.16.840.1.113730.3.1.146

pipMedium

Origin

Netscape Compass Server

Definition

Describes the medium used to send information to the user about updates on free text search profiles.

Syntax

cis

OID

2.16.840.1.113730.3.1.143

pipNotify

Origin

Netscape Compass Server

Definition

Undefined.

Syntax

cis

OID

2.16.840.1.113730.3.1.156

pipPrivilege

Origin

Netscape Compass Server

Definition

Undefined.

Syntax

cis

OID

2.16.840.1.113730.3.1.157

pipPWP

Origin

Netscape Compass Server

Definition

Contains the address of a Personal Web Page (PWP) database.

Syntax

cis

OID

2.16.840.1.113730.3.1.152

pipReservedCES I

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

ces

OID

2.16.840.1.113730.3.1.188

pipReservedCES2

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

ces

OID

2.16.840.1.113730.3.1.189

pipReservedCESs3

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

ces

OID

2.16.840.1.113730.3.1.190

pipReservedCIS1

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.182

pipReservedCIS2

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.183

pipReservedCIS3

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.184

pipReservedCIS

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.185

pipReservedCIS5

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.18

pipReservedCIS6

Origin

Netscape Compass Server

Definition

Reserved for future use.

Syntax

cis

OID

2.16.840.1.113730.3.1.187

pipResultSet

Origin

Netscape Compass Server

Definition

Contains a list of attributes about which the user wants to receive updates.

Syntax

cis

OID

2.16.840.1.113730.3.1.147

pipSortOrder

Origin

Netscape Compass Server

Definition

Contains the sort order of the information in the summary report of the free text search profile update.

Syntax

cis

OID

2.16.840.1.113730.3.1.148

pipStatus

Origin

Netscape Compass Server

Definition

Specifies whether a personal interest profile is enabled or disabled.

Syntax

cis

OID

2.16.840.1.113730.3.1.140

pipStCategory

Origin

Netscape Compass Server

Definition

Contains the categories or search strings a user is interested in.

Syntax

cis

OID

2.16.840.1.113730.3.1.171

pipStFormat

Origin

Netscape Compass Server

Definition

Specifies the format of the category search profile update sent to a user

Syntax

cis

OID

2.16.840.1.113730.3.1.174

pipStFrequency

Origin

Netscape Compass Server

Definition

Specifies the frequency with which a user receives update alerts.

Syntax

cis

OID

2.16.840.1.113730.3.1.172

pipStHour

Origin

Netscape Compass Server

Definition

Specifies the hours during the day that a user receives free category profile updates

Syntax

cis

OID

2.16.840.1.113730.3.1.175

pipStId

Origin

Netscape Compass Server

Definition

Contains the unique ID of a search topic included in a personal interest profile.

Syntax

cis

OID

2.16.840.1.113730.3.1.160

pipStInterest

Origin

Netscape Compass Server

Definition

Indicates the relative importance of an individual search topic in a user's personal interest profile.

Syntax

cis

OID

2.16.840.1.113730.3.1.164

pipStlrList

Origin

Netscape Compass Server

Definition

Specifies the domains and newsgroups a user wishes to monitor.in category searches?

Syntax

cis

OID

2.16.840.1.113730.3.1.180

pipStIrOption

Origin

Netscape Compass Server

Definition

Specifies whether all entries in pipStIrList will be updated or excluded from updates.

Syntax

cis

OID

2.16.840.1.113730.3.1.181

pipStLastCount

Origin

Netscape Compass Server

Definition

Contains the number of category matches during the last update of a personal interest profile.

Syntax

cis

OID

2.16.840.1.113730.3.1.168

pipStMaxHits

Origin

Netscape Compass Server

Definition

Specifies the maximum number of documents returned for each category search profile update.

Syntax

cis

OID

2.16.840.1.113730.3.1.176

pipStMedium

Origin

Netscape Compass Server

Definition

Describes the medium used to send information to a user about updates on category search profiles.

Syntax

cis

OID

2.16.840.1.113730.3.1.173

pipStName

Origin

Netscape Compass Server

Definition

Specifies the name created by a user to describe a search topic.

Syntax

cis

OID

2.16.840.1.113730.3.1.161

pipStPrivacy

Origin

Netscape Compass Server

Definition

Specifies whether queries of this entry should be allowed or disallowed.

Syntax

cis

OID

2.16.840.1.113730.3.1.166

pipStQuery

Origin

Netscape Compass Server

Definition

Undefined.

Syntax

cis

OID

2.16.840.1.113730.3.1.162

pipStResultSet

Origin

Netscape Compass Server

Definition

Contains a list of attributes about which a user wants to receive updates.

Syntax

cis

OID

2.16.840.1.113730.3.1.177

pipStSortOrder

Origin

Netscape Compass Server

Definition

Specifies the sort order of the information in the summary report of a category search profile update.

Syntax

cis

OID

2.16.840.1.113730.3.1.178

pipStStatus

Origin

Netscape Compass Server

Definition

Indicates the status of the personal interest profile

Syntax

cis

OID

2.16.840.1.113730.3.1.167

pipStTaxonomy

Origin

Netscape Compass Server

Definition

Contains the taxonomy ID.

Syntax

cis

OID

2.16.840.1.113730.3.1.163

pipStTimestamp

Origin

Netscape Compass Server

Definition

Indicates the date the category search profile was last updated for a user.

Syntax

cis

OID

2.16.840.1.113730.3.1.179

pipStTotalCount

Origin

Netscape Compass Server

Definition

Indicates the number of category matches to date.

Syntax

cis

OID

2.16.840.1.113730.3.1.169

pipStTotalRun

Origin

Netscape Compass Server

Definition

Indicates the number of category search updates performed to date

Syntax

cis

OID

2.16.840.1.113730.3.1.170

pipStType

Origin

Netscape Compass Server

Definition

Specifies whether a search is a category search or a free text search.

Syntax

cis

OID

2.16.840.1.113730.3.1.165

pipTimeStamp

Origin

Netscape Compass Server

Definition

Contains the date the free text search profile was last updated for this user.

Syntax

cis

OID

2.16.840.1.113730.3.1.149

pipTotalCount

Origin

Netscape Compass Server

Definition

Specifies the number of matches that occurred during all updates to date.

Syntax

cis

OID

2.16.840.1.113730.3.1.154

pipTotalRun

Origin

Netscape Compass Server

Definition

Contains the total number of personal interest profile updates to date.

Syntax

cis

OID

2.16.840.1.113730.3.1.155

pipUId

Origin

Netscape Compass Server

Definition

Contains the user ID of the person to whom a personal interest profile belongs.

Syntax

cis

OID

2.16.840.1.113730.3.1.137

pipUniqueld

Origin

Netscape Compass Server

Definition

Attribute used by the Compass Server that contains the unique ID of a compass user.

Syntax

cis

OID

2.16.840.1.113730.3.1.139

pipUserType

Origin

Netscape Compass Server

Definition

Describes the type of compass user.

Syntax

cis

OID

2.16.840.1.113730.3.1.141

postalAddress

Origin

LDAP

Definition

Identifies the entry's mailing address. This field is intended to include multiple lines. When represented in LDIF format, each line should be separated by a dollar sign (\$).

To represent an actual dollar sign (\$) or backslash (\) within this text, use the escaped hex values \24 and \5c respectively. For example, to represent the string:

The dollar (\$) value can be found
in the c:\cost file.

provide the string:

The dollar (\24) value can be found\$in the c:\5ccost file.

Syntax

cis

OID

2.5.4.16

postalCode

Origin

LDAP

Definition

Identifies the entry's zip code in the United States.

For example:

postalCode: 44224

Syntax

cis

OID

2.5.4.17

postOfficeBox

Origin

LDAP

Definition

Specifies a postal mailing address.

For example:

postOfficeBox: P.O. Box 1234

Syntax

cis

OID

2.5.4.18

preferredDeliveryMethod

Origin

LDAP

Definition

Identifies the entry's preferred contact or delivery method.

For example:

preferredDeliveryMethod: telephone

Syntax

cis

OID

2.5.4.28

preferredLanguage

Origin

Netscape Directory Server

Definition

Defines a person's preferred written or spoken language. The value for this attribute should conform to the syntax for HTTP Accept-Language header values.

Syntax

cis, 0-1

OID

2.16.840.1.113730.3.1.39

presentationAddress

Origin

LDAP

Definition

Contains an OSI presentation address for the entry. The presentation address consists of an OSI Network Address and up to three selectors, one each for use by the transport, session, and presentation entities.

For example:

presentationAddress: TELEX+00726322+RFC-1006+02+130.59.2.1

Syntax

ces

OID

2.5.4.29

protocolInformation

Origin

LDAP

Definition

Used in conjunction with presentationAddress attribute to provide additional information to the OSO network service.

Syntax

cis

OID

2.5.4.48

Q

R

reciprocalNamingLink

Origin

Definition

Undefined.

Syntax

dn

OID

ref

Origin

Netscape Directory Server

Definition

Used in LDAPv3 to support smart referrals. Contains an LDAP URL in the format:

`ldap://<servername>:<portnumber>/<dn>`

The portnumber is optional.

For example:

`ref: ldap://server.acme.com:389/ou=People, o=acme.com`

Syntax

ces (an URL)

OID

2.16.840.1.113730.3.1.34

registeredAddress

Origin

LDAP

Definition

This attribute contains a postal address for receiving telegrams or expedited documents. The recipient's signature is usually required on delivery.

Syntax

cis

OID

2.5.4.26

replicaAbandonedChanges

Origin

Netscape Directory Server (version 1.0 only)

Definition

Multivalued attribute containing the string representation of change numbers known to have been in transit to a replica when contact with the replica was lost.

Syntax

cis

OID

2.16.840.1.113730.3.1.218

replicaBeginOrc

Origin

Netscape Directory Server

Definition

Defines whether or not the supplier server should erase the contents of the consumer server before replication. Two values are acceptable for this attribute; start and stop. Accepted values include:

- start: tells the supplier server to erase the contents of the consumer server
- stop:- tells the supplier server to abort the operation.

Syntax

cis

OID

2.16.840.1.113730.3.1.50

replicaBindDn

Origin

Netscape Directory Server

Definition

Identifies the DN that the server uses when communicating with a replica server. This DN can be assigned privileges.

For example:

```
replicaBinddn: cn=replicator o=Netscape Communications Corp.,  
c=US
```

Syntax

cis

OID

2.16.840.1.113730.3.1.58

replicaBindMethod

Origin

Netscape Directory Server

Definition

Identifies the method of replication to be used. This attribute does not need to be present. When present, the attribute must be set to simple. When not set to simple, a warning is printed and replication will proceed as if simple was specified.

For example:

```
replicaBindMethod: simple
```

Syntax

cis

OID

2.16.840.1.113730.3.1.53

replicaCFUpdated

Origin

Netscape Directory Server

Definition

Indicates whether the previous synchronization run was able to update the consumer's copiedFrom attribute. 1 indicates that the supplier was successful. 0 indicates that it was not.

When the copiedFrom attribute cannot be updated on the consumer, falls back to using a locally-stored copy of the last changenumber known to have been replayed to the consumer.

This attribute should not be modified. Not available in version 3.x.

Syntax

cis

OID

2.16.840.1.113730.3.1.217

replicaCredentials

Origin

Netscape Directory Server

Definition

Identifies the password to be used with the replicaBinddn sent to the consumer server. It is highly recommended that this attribute be specified with strict access controls.

For example:

```
replicaCredentials: bogusPassword
```

Syntax

ces

OID

2.16.840.1.113730.3.1.202

replicaEntryFilter

Origin

Netscape Directory Server

Definition

Specifies which entries should be replicated or omitted. The entry should be constructed as follows:

```
LDAP filter $ keyword(include/exclude) $ attribute_name(s)
```

Multiple attributes can be specified by separating them with white space. In the following example, only the cn, sn, and mail attributes will be replicated. Although the directory server allows any LDAP filter, only (objectClass=*) is currently supported.

For example:

```
replicaEntryFilter: replicaEntryFilter: (objectClass=*) $  
include $ cn sn mail
```

Syntax

cis

OID

2.16.840.1.113730.3.1.203

replicaHost

Origin

Netscape Directory Server

Definition

Identifies the hostname of the consumer server.

For example:

`replicaHost: slave.netscape.com`

Syntax

`cis`

OID

`2.16.840.1.113730.3.1.197`

replicaNickName

Origin

Netscape Directory Server

Definition

Contains a freeform name that describes a particular set of replication rules between a single supplier and a single consumer server.

For example:

```
replicaNickName: currentset
```

Syntax

cis

OID

2.16.840.1.113730.3.1.204

replicaPort

Origin

Netscape Directory Server

Definition

Identifies the port number of the consumer server.

For example:

replicaPort: 9872

Syntax

cis

OID

2.16.840.1.113730.3.1.48

replicaRoot

Origin

Netscape Directory Server

Definition

Identifies the DN for the subtree that is being replicated to the consumer machine.

For example:

```
replicaRoot: o=Netscape Communications Corp., c=US
```

Syntax

dn

OID

2.16.840.1.113730.3.1.57

replicatedAttributeList

Origin

Netscape Directory Server

Definition

Specifies which attributes should be replicated. The filter in the attribute's syntax selects the entries to which the attribute selection applies.

The entry should be constructed as follows:

LDAP filter \$ keyword(include/exclude) \$ attribute_name(s)

Multiple attributes can be specified by separating them with white space. For example:

```
replicatedAttributeList: (objectClass=*) $ include $ cn sn mail
```

In this example, only the cn, sn, and mail attributes would be replicated.

Although the directory server allows any LDAP filter, only (objectClass=*) is currently supported.

Syntax

ces

OID

2.16.840.1.113730.3.1.205

replicaUpdateFailedAt

Origin

Netscape Directory Server

Definition

Identifies the day and time in zulu format when an update failed to complete successfully. If all updates have been successful, replicaUpdateFailedAt is blank.

For example:

```
replicaUpdateFailedAt: 199603261300z
```

Syntax

cis

OID

2.16.840.1.113730.3.1.49

replicaUpdateReplayed

Origin

Netscape Directory Server

Definition

Identifies the change number of the last change propagated to the consumer server. This value is used internally between servers only.

Syntax

cis

OID

2.16.840.1.113730.3.1.51

replicaUpdateSchedule

Origin

Netscape Directory Server

Definition

Specifies the update schedule for the consumer server. When this attribute is not present, the consumer will be updated immediately.

For example:

`replicaUpdateSchedule: 0100-0400`

specifies 1:00 AM - 4:00 AM, daily

`replicaUpdateSchedule: * 06`

specifies all day Saturday and Sunday

`replicaUpdateSchedule: 1145-1300 24`

specifies 11:45 AM -1:00 PM, Tuesday and Thursday

Syntax

cis

OID

2.16.840.1.113730.3.1.52

replicaUseSSL

Origin

Netscape Directory Server

Definition

Identifies whether SSL will be used to communicate with the consumer server. A non-zero value will cause SSL to be used.

For example:

```
replicaUseSSL: 0
```

Syntax

cis

OID

2.16.840.1.113730.3.1.54

retryCountResetTime

Origin

Netscape Directory Server

Definition

Defines, in seconds, how much time should pass before the passwordRetryCount attribute should be reset to zero (0).

For example:

```
retryCountResetTime: 600
```

Syntax

cis (operational)

OID

2.16.840.1.113730.3.1.94

roleOccupant

Origin

LDAP

Definition

Contains the distinguished name of the person acting in the role defined in the `organizationalRole` entry.

For example:

`roleOccupant: cn=jdoe, o=airius.com`

Syntax

dn

OID

2.5.4.33

roomNumber

Origin

Netscape Directory Server

Definition

Specifies the room number of an object. Note that the commonName attribute should be used for naming room objects.

For example:

```
roomNumber: 230
```

Syntax

cis

OID

0.9.2342.19200300.100.1.6

S

searchGuide

Origin

LDAP

Definition

Specifies information for a suggested search criteria when using the entry as the base object in the directory tree for a search operation. When constructing search filters, use `enhancedSearchGuide` instead.

Syntax

`cis`

OID

2.5.4.14

secretary

Origin

Netscape Directory Server

Definition

Identifies the entry's secretary or administrative assistant.

For example:

secretary: *cn=John Doe, o=Airius.com*

Syntax

dn

OID

0.9.2342.19200300.100.1.21

seeAlso

Origin

LDAP

Definition

Identifies another directory server entry that may contain information related to this entry.

For example:

`seeAlso: cn=Quality Control Inspectors, ou=manufacturing, o=Airius, c=US`

Syntax

dn

OID

2.5.4.34

serialNumber

Origin

LDAP

Definition

Specifies the serial number of a device.

For example:

serialNumber: 555-1234-AZ

Syntax

cis

OID

2.5.4.5

serverHostName

Origin

Netscape Directory Server

Definition

Identifies the name of the host on which the Netscape server is installed. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

For example:

```
serverHostname: twain.airius.com
```

Syntax

cis

OID

2.16.840.1.113730.3.1.76

serverProductName

Origin

Netscape Directory Server

Definition

Identifies the type of the installed Netscape server. This attribute is a Netscape extension used by the netscapeServer object class. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

For example:

serverProductName: Netscape Enterprise Server

Syntax

cis

OID

2.16.840.1.113730.3.1.71

serverRoot

Origin

Netscape Directory Server

Definition

Identifies the fully qualified path to the installation directory for a Netscape server. This attribute is a Netscape extension used by the `netscapeServer` object class. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

For example:

```
serverRoot: /usr/ns-home
```

Syntax

`cis`

OID

2.16.840.1.113730.3.1.70

serverVersionNumber

Origin

Netscape Directory Server

Definition

Identifies the version number of the installed Netscape server. This attribute is a Netscape extension used by the `netscapeServer` object class. Normally this attribute and this attribute value are written to the directory when a Netscape server is initially installed.

For example:

```
serverVersionNumber: 3.0
```

Syntax

`cis`

OID

2.16.840.1.113730.3.1.72

shadowExpire

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.10

shadowFlag

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.11

shadowInactive

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.9

shadowLastChange

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.5

shadowMax

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.7

shadowMin

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.6

shadowWarning

Origin

Netscape Directory Server 4.0

Definition

Syntax

int

OID

1.3.6.1.1.1.1.8

singleLevelQuality

Origin

X.500

Definition

Not relevant to LDAP.

Syntax

cis (single)

OID

0.9.2342.19200300.100.1.50

sn (surName)

Origin

LDAP

Definition

Identifies the entry's surname, also referred to as last name or family name.
For example:

surname: Anderson

or

sn: Anderson

Syntax

cis

OID

2.5.4.4

st

Origin

LDAP

Definition

Identifies the state or province in which the entry resides. Abbreviation: st.
For example:

```
stateOrProvinceName: California
```

or

```
st: California
```

Syntax

cis

OID

2.5.4.8

street

Origin

LDAP

Definition

Identifies the entry's house number and street name.

For example:

streetAddress: 1234 Ridgeway Drive

or

street: 1234 Ridgeway Drive

Syntax

cis

OID

2.5.4.9

subject

Origin

Definition

Contains information about the subject matter of the document entry.
For example:

subject: employee option grants

Syntax

cis

OID

subschemaSubentry

Origin

LDAP

Definition

DN of an entry that contains schema information.

For example:

subschemaSubentry: cn=schema

Syntax

cis

OID

2.5.18.10

subtreeaci

Origin

Netscape Directory Server

Definition

Obsoleted by aci in directory server release 3.0.

For example:

subtreeACI:

Syntax

ces

OID

2.16.840.1.113730.3.1.69

subtreeMaximumQuality

Origin

X.500

Definition

Not relevant to LDAP.

Syntax

cis (single)

OID

0.9.2342.19200300.100.1.52

subtreeMinimumQuality

Origin

X.500

Definition

Not relevant to LDAP.

Syntax

cis (single)

OID

0.9.2342.19200300.100.1.51

supportedAlgorithms

Origin

LDAP

Definition

This attribute to be stored and requested in the binary form, as supportedAlgorithm;binary.

For example:

supportedAlgorithms: AAAAAA==

Syntax

bin

OID

2.5.4.52

supportedApplicationContext

Origin

LDAP

Definition

This attribute contains the identifiers of OSI application contexts.

Syntax

cis

OID

2.5.4.30

supportedControl

Origin

Definition

Used to extend LDAPv3 operations. Values are IOs.
For example:

supportedControl: 2.16.840.1.113370.3.4.2

Syntax

cis

OID

1.3.6.1.4.1.1466.101.120.13

supportedExtension

Origin

LDAP

Definition

The values of this attribute are the object identifiers (OIDs) that identify the controls supported by the server. When the server does not support controls, this attribute is absent.

Syntax

cis

OID

1.3.6.1.4.1.1466.101.120.7

supportedLDAPVersion

Origin

LDAP

Definition

Identifies the versions of the LDAP protocol implemented by the server.

Accepted values:

- 2:LDAPv2
- 3:LDAPv3

Syntax

int

OID

1.3.6.1.4.1.1466.101.120.15

supportedSASLMechanisms

Origin

LDAP

Definition

Identifies the names of supported SASL mechanisms supported by the server. When the server does not support SASL mechanisms, this attribute is absent.

For example:

```
supportedSASLMechanisms:[mcs]
```

Syntax

cis

OID

1.3.6.1.4.1.1466.101.120.14

T

targetDn

Origin

Netscape Directory Server

Definition

Defines the distinguished name of an entry that was added, modified, or deleted on a supplier server. In the case of a modrdn operation, the targetDn contains the distinguished name of the entry before it was modified.

For example:

```
targetDn: cn=Jane Doe, ou=Quality Control, o=Airius.com
```

Syntax

dn

OID

2.16.840.1.113730.3.1.6

telephoneNumber

Origin

LDAP

Definition

Identifies the entry's phone number.

For example:

telephoneNumber: 415-555-2233

Syntax

tel

OID

2.5.4.20

teletexTerminalIdentifier

Origin

LDAP

Definition

Identifies the entry's teletex terminal identifier. The format of the attribute is as follows:

```
teletex-id = ttx-term 0*("$" ttx-param)
ttx-term   = printablestring
ttx-param  = ttx-key ":" ttx-value
ttx-key    = "graphic" / "control" / "misc" / "page" / "private"
ttx-value  = octetstring
```

In the above, the first printable string is the encoding of the first portion of the teletex terminal identifier to be encoded, and the subsequent 0 or more octetstrings are subsequent portions of the teletex terminal identifier.

For example:

```
teletexTerminalIdentifier: 415-555-2233
```

Syntax

cis

OID

2.5.4.22

telexNumber

Origin

LDAP

Definition

Defines the telex number of the entry. The format of the telex number is as follows:

actual-number "\$" country "\$" answerback

where:

- actual-number: the syntactic representation of the number portion of the TELEX number being encoded,
- country: the TELEX country code
- answerback: the answerback code of aTELEX terminal.

Syntax

cis

OID

2.5.4.21

textEncodedORAddress

Origin

LDAPv3

Definition

Defines the text-encoded Originator / Recipient (X.400) address of the entry as defined in RFC987.

For example:

```
textEncodedORAddress: /S=doe/OU=eng/O=airius/ADMD=telemail/  
C=us/
```

Syntax

cis

OID

0.9.2342.19200300.100.1.2

title

Origin

LDAP

Definition

Identifies the title of a person in the organization.

For example:

title: Senior QC Inspector

Syntax

cis

OID

2.5.4.12

ttl (timeToLive)

Origin

Definition

Contains the time, in seconds, that cached information about an entry should be considered valid. Once the specified time has elapsed, the information is considered out of date. A value of zero (0) indicates that the entry should not be cached. Abbreviation: ttl.

For example:

timeToLive: 120

or

ttl: 120

Syntax

cis

OID

1.3.6.1.4.1.250.1.60

U

uid (userID)

Origin

LDAP

Definition

Identifies the entry's userid (usually the logon ID). Abbreviation: uid.

For example:

userid: banderson

or

uid: banderson

Syntax

cis, 1

OID

0.9.2342.19200300.100.1.1

uidNumber

Origin

Netscape Directory Server 4.0

Definition

An integer uniquely identifying a user in an administrative domain.
For example:

uidNumber:

Syntax

int

OID

1.3.6.1.1.1.1.0

uniqueIdentifier

Origin

Definition

Identifies a specific item used to distinguish between two entries when a distinguished name has been reused. This attribute is intended to detect instance of a reference to a distinguished name that has been deleted. This attribute is assigned by the server.

For example:

```
uniqueIdentifier: AAAAAA==
```

Syntax

cis

OID

0.9.2342.19200300.100.1.44

uniqueMember

Origin

LDAP

Definition

Identifies a group of names associated with an entry where each name was given a uniqueIdentifier to ensure its uniqueness. A value for the uniqueMember attribute is a DN followed by the uniqueIdentifier.

For example:

```
uniquemember:
```

Syntax

dn

OID

2.5.4.50

updatedByDocument

Origin

Definition

Contains the distinguished name of a document that is an updated version of the document entry.

For example:

```
updatedByDocument: ***
```

Syntax

dn

OID

updatesDocument

Origin

Definition

Contains the distinguished name of a document for which this document is an updated version.

For example:

```
updatesDocument: ***
```

Syntax

dn

OID

url

Origin

Netscape Administration Server 4.0

Definition

The URL for the legacy administration server.

For example:

url:http://admin

Syntax

cis

OID

2.16.840.1.113730.3.1.326

userCertificate

Origin

LDAP

Definition

Contains a user's certificate. Store this attribute with the binary subtype:
userCertificate;binary

For example:

userCertificate;binary: AAAAAA==

Syntax

bin

OID

2.5.4.36

userClass

Origin

Definition

Specifies a category of computer user. The semantics of this attribute are arbitrary. The `organizationalStatus` attribute makes no distinction between computer users and others users and may be more applicable.

For example:

```
userClass: intern
```

Syntax

cis

OID

0.9.2342.19200300.100.1.8

userPassword

Origin

LDAP

Definition

This attribute identifies the entry's password and encryption method in the following format:

{encryption method}encrypted password

Transfer of cleartext passwords is strongly discouraged where the underlying transport service cannot guarantee confidentiality. Transfer of cleartext may result in disclosure of the password to unauthorized parties.

For example:

userPassword: {sha}FTSLQhXpA05

Syntax

bin, 1

OID

2.5.4.35

userPKCS12;binary

Origin

Netscape Certificate Server

Definition

Identifies the PKCS-12 PFX PDU used to store a user's key and certificate. This is generated by the certificate server and consumed by Netscape Communicator.

Syntax

int

OID

2.16.840.1.113730.3.1.216

userSMIMECertificate

Origin

Netscape Directory Server

Definition

Used by Netscape Communicator for S/MIME. Should only be used with the binary subtype, userSMIMECertificate;binary.

For example:

```
userSMIMECertificate;binary: AAAAAA==
```

Syntax

bin

OID

2.16.840.1.113730.3.1.40

V

vacationEndDate

Origin

Netscape Messaging Server 4.1

Definition

Defines timed vacation messages, to end at the given date and time

Syntax

OID

vacationStartDate

Origin

Netscape Messaging Server 4.1

Definition

Defines timed vacation messages, to start at the given date and time

For example:

`vacationStartDate:`

Syntax

OID

vlvBase

Origin

Netscape Directory Server 4.0

Definition

Defines the base dn of a Virtual List View search.

For example:

```
vlvBase:o=Airius.com
```

Syntax

dn

OID

2.16.840.1.113730.3.1.207

vlvEnabled

Origin

Netscape Directory Server 4.0

Definition

Used by the server to signal whether the index is available or unavailable. When VLV indexes are created offline, new vlvSearch entries are enabled when the indexes are rebuilt. VLV indexes can also be created while the server is running in read-only mode. This attribute is read-only and single-valued.

For example:

```
vlvEnabled: 0
```

Syntax

int

OID

2.16.840.1.113730.3.1.213

vlvFilter

Origin

Netscape Directory Server 4.0

Definition

Defines the filter for a Virtual List View search

For example:

```
vlvFilter:(uid>=r)
```

Syntax

dn

OID

2.16.840.1.113730.3.1.209

vlvScope

Origin

Netscape Directory Server 4.0

Definition

Defines the scope of a Virtual List View search.

Possible values include:

- 0 = base search
- 1 = one level search
- 2 = subtree search

Syntax

int

OID

2.16.840.1.113730.3.1.208

vlvSort

Origin

Netscape Directory Server 4.0

Definition

Defines the sort specification for a Virtual List View search. Consists of a list of comma-delimited attribute names. A minus sign is used to denote a reverse sort.

The example below will result in a sort by uid, then by reverse common name.

For more information, see RFC for *LDAP Control Extensions for Server Side Sorting of Search Results*.

For example:

```
vlvSort:uid, -cn
```

Syntax

cis

OID

2.16.840.1.113730.3.1.210

vlvUses

Origin

Netscape Directory Server 4.0

Definition

The number displaced is incremented by the server each time a Virtual List View index has been used. Can be useful in providing debugging feedback.

For example:

```
vlvUses:7
```

Syntax

int

OID

2.16.840.1.113730.3.1.219

W

X

x121Address

Origin

LDAP

Definition

Defines the X.121 address of a person.

For example:

```
x121Address: ***
```

Syntax

ces

OID

2.5.4.24

x500UniqueIdentifier

Origin

LDAP

Definition

Reserved for future use. A binary method of identification useful for differentiating objects when a distinguished name has been reused.

For example:

x500UniqueIdentifier: AAAAAA==

Syntax

bin

OID

2.5.4.45