FORGEROCK

LDAP Schema Reference

/ ${opendj.product.name} 5.5

Latest update: 5.5.3

Mark Craig

Copyright © 2020 ForgeRock AS.

Abstract

Human-readable, hyperlinked view of the default directory schema.

Table of Contents

About This Reference

This reference describes the default directory schema. Each schema definition has its own section, with links to related sections. Reference pages for the most commonly used elements may include additional descriptions and examples that are not present in the directory schema definitions.

This reference does not include directory configuration attributes and object classes, collation matching rules.

LDAP directory schema defines how data can be stored in the directory. When a directory server receives a request to update directory data, it can check the data changes against the directory schema, refusing any request that would result in a violation of the directory schema and directory data corruption.

Schema checking prevents errors such as the following:

- Adding inappropriate attributes to an entry

- Removing required attributes from an entry

- Using an attribute value that has the wrong syntax

- Adding the wrong type of subordinate object

LDAP directory schema consists of definitions for the following:

Attribute types

Define attributes of directory entries, including their syntaxes and matching rules

Directory Information Tree (DIT) content rules

Define the content of entries with a given structural object class

DIT structure rules

Define the names entries may have, and how entries may be related to each other

Matching rules

Define how values of attributes are matched and compared

Matching rule uses

List attributes that can be used with an extensibleMatch search filter

Name forms

Define naming relations for structural object classes

Object classes

Define the types of objects that an entry represents, and the required and optional attributes for entries of those types

Syntaxes

Define the encodings used in LDAP

For a technical description of LDAP directory schema, read *Directory Schema* in *Lightweight Directory Access Protocol (LDAP): Directory Information Models* (RFC 4512).

LDAP directory servers allow client applications to access directory schema while the server is running. This enables applications to validate their changes against the schema before sending an update request to the server. As a result, LDAP schema definitions are optimized for applications, not humans. The reader must resolve relationships between schema definitions, and must find most documentation elsewhere.

Chapter 1
Attribute Types

1.1. abandonRequests

OID	1.3.6.1.4.1.36733.2.1.1.74
Names	abandonRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.2. aci

Values are Access Control Instructions (ACI). See the directory documentation for details.

OID	2.16.840.1.113730.3.1.55
Names	aci
Description	Sun-defined access control information attribute type
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	SunDefinedAccessControlInformation
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	Sun Java System Directory Server

Schema File	00-core.ldif

1.3. aclRights

Shows effective access rights. See the directory documentation for details.

OID	1.3.6.1.4.1.42.2.27.9.1.39
Names	aclRights
Description	Sun-defined access control effective rights attribute type
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	Sun Java System Directory Server
Schema File	00-core.ldif

1.4. aclRightsInfo

Shows how the server calculates effective access rights. See the directory documentation for details.

OID	1.3.6.1.4.1.42.2.27.9.1.40
Names	aclRightsInfo
Description	Sun-defined access control effective rights information attribute type
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	Sun Java System Directory Server

Schema File	00-core.ldif

1.5. addRequests

OID	1.3.6.1.4.1.36733.2.1.1.75
Names	addRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.6. addResponses

OID	1.3.6.1.4.1.36733.2.1.1.76
Names	addResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.7. administratorsAddress

An address for contacting the administrator who manages the server. For example,
mailto:helpdesk@example.com.

OID	1.3.6.1.4.1.1466.101.120.1
Names	administratorsAddress
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	draft-wahl-ldap-adminaddr
Schema File	00-core.ldif

1.8. aliasedObjectName

Holds the name of the entry that an alias points to.

An alias name is an alternative name for an entry. Alias objects are leaf entries (no subordinates).

ForgeRock servers do not support alias dereferencing.

OID	2.5.4.1
Names	aliasedObjectName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4512
Schema File	00-core.ldif

1.9. altServer

This operational attribute lists URIs of alternate servers to contact when this server is not available.

OID	1.3.6.1.4.1.1466.101.120.6
Names	altServer
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.10. aRecord

A type A (address) DNS resource record.

OID	0.9.2342.19200300.100.1.26
Names	aRecord
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.11. associatedDomain

An attribute for specifying DNS host names associated with an object. For example, the entry with DN `dc=example,dc=com` could have an associated domain of `example.com`.

Values of this attribute conform to the following ABNF:

```
domain = root / label *( DOT label )
root   = SPACE
label  = LETDIG [ *61( LETDIG / HYPHEN ) LETDIG ]
LETDIG = %x30-39 / %x41-5A / %x61-7A ; "0" - "9" / "A"-"Z" / "a"-"z"
SPACE  = %x20                        ; space (" ")
HYPHEN = %x2D                        ; hyphen ("-")
DOT    = %x2E                        ; period (".")
```

OID	0.9.2342.19200300.100.1.37
Names	associatedDomain
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreIA5SubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.12. associatedName

DNs of entries associated with a DNS domain.

OID	0.9.2342.19200300.100.1.38
Names	associatedName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true

Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.13. attributeMap

OID	1.3.6.1.4.1.11.1.3.1.1.9
Names	attributeMap
Description	Attribute mappings used, required, or supported by an agent or service
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.14. attributeTypes

This operational attribute used in LDAP schema defines attribute types, which specify attributes of directory entries, including their syntaxes and matching rules.

OID	2.5.21.5
Names	attributeTypes
Equality Matching Rule	objectIdentifierFirstComponentMatch
Syntax	AttributeTypeDescription
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.15. audio

Attribute for storing sounds encoded according to the algorithm.

OID	0.9.2342.19200300.100.1.55
Names	audio
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.16. authenticationMethod

OID	1.3.6.1.4.1.11.1.3.1.1.6
Names	authenticationMethod
Description	Identifies the types of authentication methods either used, required, or provided by a service or peer
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.17. authorityRevocationList

X.509 certificate lists, as described in X.509 clause 11.2.5.

Request and transfer values using the binary option for the attribute description,
`authorityRevocationList;binary`.

OID	2.5.4.38
Names	authorityRevocationList
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	CertificateList
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.18. authPassword

Encoded or hashed passwords, prefixed with a scheme and authentication info.

OID	1.3.6.1.4.1.4203.1.3.4
Names	authPassword
Description	password authentication information
Equality Matching Rule	authPasswordExactMatch
Syntax	AuthenticationPasswordSyntax
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3112
Schema File	03-rfc3112.ldif

1.19. automountInformation

OID	1.3.6.1.1.1.1.33
Names	automountInformation
Description	Automount information

Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactIA5SubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.20. automountKey

OID	1.3.6.1.1.1.1.32
Names	automountKey
Description	Automount Key value
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactIA5SubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.21. automountMapName

OID	1.3.6.1.1.1.1.31
Names	automountMapName
Description	automount Map Name
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactIA5SubstringsMatch

Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.22. bindRequests

OID	1.3.6.1.4.1.36733.2.1.1.77
Names	bindRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.23. bindResponses

OID	1.3.6.1.4.1.36733.2.1.1.78
Names	bindResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications

Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.24. bindTimeLimit

OID	1.3.6.1.4.1.11.1.3.1.1.4
Names	bindTimeLimit
Description	Maximum time an agent or service allows for a bind operation to complete
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.25. blockInheritance

OID	1.3.6.1.4.1.7628.5.4.2
Names	blockInheritance
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	false
Usage	dSAOperation
Origin	draft-ietf-ldup-subentry
Schema File	00-core.ldif

1.26. bootFile

OID	1.3.6.1.1.1.1.24

Names	bootFile
Description	Boot image name
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.27. bootParameter

OID	1.3.6.1.1.1.1.23
Names	bootParameter
Description	rpc.bootparamd parameter
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.28. buildingName

Names of buildings where an organization or organizational unit is based.

OID	0.9.2342.19200300.100.1.48
Names	buildingName

Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.29. businessCategory

The kind of business performed by an organization. Each kind corresponds to a different attribute value.

OID	2.5.4.15
Names	businessCategory
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.30. bytesRead

OID	1.3.6.1.4.1.36733.2.1.1.67
Names	bytesRead
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch

Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.31. bytesWritten

OID	1.3.6.1.4.1.36733.2.1.1.68
Names	bytesWritten
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.32. c-FacsimileTelephoneNumber

Fax phone number for a collection of entries.

OID	2.5.4.23.1
Names	c-FacsimileTelephoneNumber
Superior Type	facsimileTelephoneNumber
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	FacsimileTelephoneNumber
Single Value	false: multiple values allowed

Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.33. c-InternationalISDNNumber

ISDN address for a collection of entries.

OID	2.5.4.25.1
Names	c-InternationalISDNNumber
Superior Type	internationaliSDNNumber
Equality Matching Rule	numericStringMatch
Ordering Matching Rule	numericStringOrderingMatch
Substring Matching Rule	numericStringSubstringsMatch
Syntax	NumericString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.34. c-l

Name of a locality or place for a collection of entries.

OID	2.5.4.7.1
Names	c-l
Superior Type	l
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.35. c-o

Organization name for a collection of entries.

OID	2.5.4.10.1
Names	c-o
Superior Type	o
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.36. c-ou

Organizational unit name for a collection of entries.

OID	2.5.4.11.1
Names	c-ou
Superior Type	ou
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.37. c-PhysicalDeliveryOfficeName

Post office for a collection of entries.

OID	2.5.4.19.1
Names	c-PhysicalDeliveryOfficeName
Superior Type	physicalDeliveryOfficeName
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.38. c-PostalAddress

Postal address for a collection of entries.

OID	2.5.4.16.1
Names	c-PostalAddress

Superior Type	postalAddress
Equality Matching Rule	caseIgnoreListMatch
Substring Matching Rule	caseIgnoreListSubstringsMatch
Syntax	PostalAddress
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.39. c-PostalCode

Postal code for a collection of entries.

OID	2.5.4.17.1
Names	c-PostalCode
Superior Type	postalCode
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.40. c-PostOfficeBox

Postal box identifier for a collection of entries.

OID	2.5.4.18.1

Names	c-PostOfficeBox
Superior Type	postOfficeBox
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.41. c-st

Full name of a state or province for a collection of entries.

OID	2.5.4.8.1
Names	c-st
Superior Type	st
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.42. c-street

Street address for a collection of entries.

OID	2.5.4.9.1
Names	c-street
Superior Type	street
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.43. c-TelephoneNumber

Phone number for a collection of entries.

OID	2.5.4.20.1
Names	c-TelephoneNumber
Superior Type	telephoneNumber
Equality Matching Rule	telephoneNumberMatch
Substring Matching Rule	telephoneNumberSubstringsMatch
Syntax	TelephoneNumber
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.44. c-TelexNumber

Telex terminal number for a collection of entries.

OID	2.5.4.21.1
Names	c-TelexNumber
Superior Type	telexNumber
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	TelexNumber
Single Value	false: multiple values allowed
Collective	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3671
Schema File	00-core.ldif

1.45. c

Two-letter ISO 3166 country code.

OID	2.5.4.6
Names	c, countryName
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	CountryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.46. cACertificate

X.509 certificate issued to the Certificate Authority (CA), as described in X.509 clause 11.2.2.

Request and transfer values using the binary option for the attribute description, `cACertificate;binary`.

OID	2.5.4.37
Names	cACertificate
Equality Matching Rule	certificateExactMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	Certificate
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.47. calCalAdrURI

Protocol-independent location for a calendaring and scheduling client to send an event request to a user.

OID	1.2.840.113556.1.4.481
Names	calCalAdrURI
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.48. calCalURI

Protocol-independent location for a calendaring and scheduling client to retrieve an entire snapshot copy of a user's calendar as one or more iCalendar objects.

OID	1.2.840.113556.1.4.478

Names	calCalURI
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.49. calCAPURI

Protocol-independent location for a calendaring and scheduling client can communicate with a user's entire calendar.

OID	1.2.840.113556.1.4.480
Names	calCAPURI
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.50. calFBURL

Protocol-independent location for a calendaring and scheduling client to retrieve information about when a user is busy as an iCalendar object with one or more "VFREEBUSY" calendar components.

OID	1.2.840.113556.1.4.479
Names	calFBURL

Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.51. calOtherCalAdrURIs

Protocol-independent additional locations for a calendaring and scheduling client to send event requests to a user.

OID	1.2.840.113556.1.4.485
Names	calOtherCalAdrURIs
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.52. calOtherCalURIs

Protocol-independent location for a calendaring and scheduling client to retrieve snapshots of other calendars a user has as iCalendar objects.

OID	1.2.840.113556.1.4.482
Names	calOtherCalURIs
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.53. calOtherCAPURIs

Protocol-independent location for a calendaring and scheduling client can communicate with a user's other calendars.

OID	1.2.840.113556.1.4.484
Names	calOtherCAPURIs
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.54. calOtherFBURLs

Protocol-independent location for a calendaring and scheduling client to retrieve other information about when a user is busy as iCalendar objects with one or more "VFREEBUSY" calendar components.

OID	1.2.840.113556.1.4.483
Names	calOtherFBURLs
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2739
Schema File	03-rfc2739.ldif

1.55. carLicense

Car license or registration plate number for a person's vehicle.

OID	2.16.840.1.113730.3.1.1
Names	carLicense
Description	vehicle license or registration plate
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.56. certificateRevocationList

X.509 certificate lists, as described in X.509 clause 11.2.4.

Request and transfer values using the binary option for the attribute description, `certificateRevocationList;binary`.

OID	2.5.4.39
Names	certificateRevocationList

Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	CertificateList
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.57. changeInitiatorsName

Points to the entry that initiated the modification.

OID	1.3.6.1.4.1.26027.1.1.604
Names	changeInitiatorsName
Description	The initiator user of the change
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	03-changelog.ldif

1.58. changelog

OID	2.16.840.1.113730.3.1.35
Names	changelog
Description	the distinguished name of the entry which contains the set of entries comprising this servers changelog
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DN
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-good-ldap-changelog
Schema File	00-core.ldif

1.59. changeLogCookie

Opaque unique identifier for a change in distributed replication changelog.

OID	1.3.6.1.4.1.26027.1.1.591
Names	changeLogCookie
Description	The OpenDS opaque cookie for the External Changelog
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	03-changelog.ldif

1.60. changeNumber

The set of changes made to a directory server is given by the set of all entries in the changelog, ordered by `changeNumber`, which strictly increases for a given server.

Note The `changeNumber` is unique to a server, and not necessarily shared or synchronized across servers. The change numbers for ForgeRock servers can be synchronized using the `dsreplication reset-change-number` command. ForgeRock servers also provide an alternative `changeLogCookie` attribute, which can be used reliably across a replicated topology.

A client application may synchronize its local copy of directory data by reading the server's changelog for entries where the `changeNumber` is greater than or equal to the last change that the client read from

the server. A server can, however, trim its changelog. If the last change read from the changelog is not returned in search results, the client application must fall back to rebuilding its entire copy of directory data.

OID	2.16.840.1.113730.3.1.5
Names	changeNumber
Description	a number which uniquely identifies a change made to a directory entry
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

1.61. changes

OID	2.16.840.1.113730.3.1.8
Names	changes
Description	a set of changes to apply to an entry
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

1.62. changeTime

Indicates when an entry was changed for replication.

OID	2.16.840.1.113730.3.1.77
Names	changeTime
Description	the time when the change was processed
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Sun Directory Server
Schema File	03-changelog.ldif

1.63. changeType

The type of change made to the entry specified by the `targetDN` attribute of the changelog entry. One of:

- add

- delete

- modify

- modrdn

OID	2.16.840.1.113730.3.1.7
Names	changeType
Description	the type of change made to an entry
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog

Schema File	03-changelog.ldif

1.64. cn

X.500 `commonName` attribute that contains the name of an object.

When used for a person, this attribute contains the full name.

OID	2.5.4.3
Names	cn, commonName
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.65. cNAMERecord

A type CNAME (canonical name) DNS resource record.

OID	0.9.2342.19200300.100.1.31
Names	cNAMERecord
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications

Origin	RFC 1274
Schema File	00-core.ldif

1.66. co

Friendly country name in human readable format. This attribute is commonly used with c country name, whose values are two-letter codes defined in the ISO 3166 standard.

OID	0.9.2342.19200300.100.1.43
Names	co, friendlyCountryName
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.67. collectiveAttributeSubentries

This operational attribute identifies the collective attribute subentries that apply to the entry.

OID	2.5.18.12
Names	collectiveAttributeSubentries
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 3671
Schema File	00-core.ldif

1.68. collectiveConflictBehavior

Indicates how to handle conflicts between real (stored) and virtual (computed) attribute values.

OID	1.3.6.1.4.1.26027.1.1.606
Names	collectiveConflictBehavior
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	1.3.6.1.4.1.26027.1.4.8.1.3.6.1.4.1.26027.1.3.6
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	CollectiveConflictBehavior
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.69. collectiveExclusions

This operational attribute identifies the collective attributes to exclude from the entry. The value `excludeAllCollectiveAttributes` causes all collective attributes to be excluded.

OID	2.5.18.7
Names	collectiveExclusions
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 3671
Schema File	00-core.ldif

1.70. compareRequests

OID	1.3.6.1.4.1.36733.2.1.1.79

Names	compareRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.71. compareResponses

OID	1.3.6.1.4.1.36733.2.1.1.80
Names	compareResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.72. connectionsClosed

OID	1.3.6.1.4.1.36733.2.1.1.66
Names	connectionsClosed
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.73. connectionsEstablished

OID	1.3.6.1.4.1.36733.2.1.1.65
Names	connectionsEstablished
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.74. corbaIor

String representation of an interoperable object reference (IOR) for a CORBA object. The value holds all the information necessary to locate the object even if it is in another ORB.

OID	1.3.6.1.4.1.42.2.27.4.1.14
Names	corbaIor
Description	Stringified interoperable object reference of a CORBA object
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	RFC 2714
Schema File	03-rfc2714.ldif

1.75. corbaRepositoryId

Unique repository ID, also known as type ID, for a CORBA interface. Multiple values reflect multiple interfaces, but the list is not necessarily complete.

Although the value string can be of any syntax, the following ID styles are specified:

IDL style: `IDL:Prefix/ModuleName/InterfaceName:VersionNumber`

Format used for standard interface definition language (IDL) IDs.

RMI style: `RMI:ClassName:HashCode[:SUID]`

Format used by RMI-IIOP remote objects.

- ClassName is the fully qualified name of the class.

- HashCode is the result of the object's `hashCode()` method.

- SUID is the 64-bit stream unique identifier for the serialization version of the class.

DCE style: `DCE:UUID`

Format used for DCE/CORBA interoperability, where the UUID represents a DCE UUID.

Local

The format is defined by the local Object Request Broker (ORB).

OID	1.3.6.1.4.1.42.2.27.4.1.15
Names	corbaRepositoryId
Description	Repository ids of interfaces implemented by a CORBA object
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 2714
Schema File	03-rfc2714.ldif

1.76. createTimestamp

For entries added over protocol (by an LDAP add request), this operational attribute reflects the time the entry was first added.

OID	2.5.18.1
Names	createTimestamp
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.77. creatorsName

For entries added over protocol (by an LDAP add request), this operational attribute indicates the DN of the creator's entry.

OID	2.5.18.3
Names	creatorsName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	false

Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.78. credentialLevel

OID	1.3.6.1.4.1.11.1.3.1.1.10
Names	credentialLevel
Description	Identifies type of credentials either used, required, or supported by an agent or service
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.79. crossCertificatePair

X.509 certificate pair, as described in X.509 clause 11.2.3.

Request and transfer values using the binary option for the attribute description, `crossCertificatePair;binary`.

OID	2.5.4.40
Names	crossCertificatePair
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	CertificatePair
Single Value	false: multiple values allowed
User Modification Allowed	true

Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.80. dc

Domain component as described in RFC 1274, where each attribute value holds one component, or label, of a DNS domain name. A value of this attribute is a string of ASCII characters following this ABNF:

```
label = (ALPHA / DIGIT) [*61(ALPHA / DIGIT / HYPHEN) (ALPHA / DIGIT)]
ALPHA  = %x41-5A / %x61-7A     ; "A"-"Z" / "a"-"z"
DIGIT  = %x30-39               ; "0"-"9"
HYPHEN = %x2D                  ; hyphen ("-")
```

Examples: example, com (but not example.com)

OID	0.9.2342.19200300.100.1.25
Names	dc, domainComponent
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreIA5SubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.81. defaultSearchBase

OID	1.3.6.1.4.1.11.1.3.1.1.1
Names	defaultSearchBase
Description	Default base for searches
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.82. defaultSearchScope

OID	1.3.6.1.4.1.11.1.3.1.1.12
Names	defaultSearchScope
Description	Default scope used when performing a search
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.83. defaultServerList

OID	1.3.6.1.4.1.11.1.3.1.1.0
Names	defaultServerList
Description	List of default servers
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.84. deleteOldRDN

OID	2.16.840.1.113730.3.1.10
Names	deleteOldRDN
Description	a flag which indicates if the old RDN should be retained as an attribute of the entry
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

1.85. deleteRequests

OID	1.3.6.1.4.1.36733.2.1.1.81
Names	deleteRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.86. deleteResponses

OID	1.3.6.1.4.1.36733.2.1.1.82
Names	deleteResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.87. deltaRevocationList

X.509 certificate lists, as described in X.509 clause 11.2.6.

Request and transfer values using the binary option for the attribute description, `deltaRevocationList;binary`.

OID	2.5.4.53
Names	deltaRevocationList
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	CertificateList
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.88. departmentNumber

Code for the department that a person belongs to.

Examples: `1234`, `ABC/123`.

OID	2.16.840.1.113730.3.1.2
Names	departmentNumber
Description	identifies a department within an organization
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.89. dereferenceAliases

OID	1.3.6.1.4.1.11.1.3.1.1.16
Names	dereferenceAliases
Description	Specifies if a service or agent either requires, supports, or uses dereferencing of aliases.
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.90. description

Human-readable descriptive phrase about the entry.

OID	2.5.4.13
Names	description

Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.91. destinationIndicator

Country and city strings used by the Public Telegram Service.

The strings depend on CCITT Recommendations F.1 and F.31.

Examples: `AASD` (Sydney, Australia), `GBLD` (London, United Kingdom)

OID	2.5.4.27
Names	destinationIndicator
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	PrintableString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.92. displayName

Name to be used for displaying an entry, especially in a one-line summary list.

OID	2.16.840.1.113730.3.1.241
Names	displayName

Description	preferred name of a person to be used when displaying entries
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.93. distinguishedName

Base type for user attribute types with DN syntax.

OID	2.5.4.49
Names	distinguishedName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.94. dITContentRules

This operational attribute used in LDAP schema defines DIT content rules, which specify the content of entries with a given structural object class.

OID	2.5.21.2
Names	dITContentRules
Equality Matching Rule	objectIdentifierFirstComponentMatch

Syntax	DITContentRuleDescription
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.95. dITRedirect

DN indicating a newer entry for this entry. This entry should expire after a suitable grace period, for example, after the person changes organizations.

OID	0.9.2342.19200300.100.1.54
Names	dITRedirect
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.96. dITStructureRules

This operational attribute used in LDAP schema defines DIT structure rules, which specify the names entries may have, and how entries may be related to each other.

OID	2.5.21.1
Names	dITStructureRules
Equality Matching Rule	integerFirstComponentMatch
Syntax	DITStructureRuleDescription
Single Value	false: multiple values allowed
User Modification Allowed	true

Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.97. dmdName

A Directory Management Domain (DMD) name. The DMD is the administrative authority for this directory server.

OID	2.5.4.54
Names	dmdName
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2256
Schema File	00-core.ldif

1.98. dnQualifier

Disambiguating information for the RDN of an entry. The information can be used to avoid conflicts when merging data from multiple sources.

All values for this attribute from a particular source should be the same.

OID	2.5.4.46
Names	dnQualifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	PrintableString

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.99. documentAuthor

DNs of the entries for authors and editors of a document.

OID	0.9.2342.19200300.100.1.14
Names	documentAuthor
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.100. documentIdentifier

Unique identifier(s) of a document.

OID	0.9.2342.19200300.100.1.11
Names	documentIdentifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true

Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.101. documentLocation

Location(s) of the document original.

OID	0.9.2342.19200300.100.1.15
Names	documentLocation
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.102. documentPublisher

DNs of the person or organization who published the document. Joint publications have one value per publisher.

OID	0.9.2342.19200300.100.1.56
Names	documentPublisher
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications

Origin	RFC 4524
Schema File	00-core.ldif

1.103. documentTitle

Titles of a document, where multiple values can specify different forms, such as long and short versions.

OID	0.9.2342.19200300.100.1.12
Names	documentTitle
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.104. documentVersion

OID	0.9.2342.19200300.100.1.13
Names	documentVersion
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.105. drink

OID	0.9.2342.19200300.100.1.5
Names	drink, favouriteDrink
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.106. ds-certificate-fingerprint

Holds a digital certificate fingerprint value for mapping an incoming certificate to a user entry.

OID	1.3.6.1.4.1.26027.1.1.268
Names	ds-certificate-fingerprint
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.107. ds-certificate-subject-dn

Holds a digital certificate subject DN value for mapping an incoming certificate to a user entry.

OID	1.3.6.1.4.1.26027.1.1.266
Names	ds-certificate-subject-dn
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.108. ds-private-naming-contexts

Holds the DNs that constitute the set of private naming contexts registered with the server, not for external use by applications.

OID	1.3.6.1.4.1.26027.1.1.246
Names	ds-private-naming-contexts
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.109. ds-privilege-name

Holds an administrative privilege. See the directory server documentation for details.

OID	1.3.6.1.4.1.26027.1.1.260
Names	ds-privilege-name
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.110. ds-pwp-account-disabled

TRUE if the user's account has been disabled by an administrator.

OID	1.3.6.1.4.1.26027.1.1.166
Names	ds-pwp-account-disabled
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.111. ds-pwp-account-expiration-time

Indicates when a temporary account expires, after which it can no longer be used to authenticate.

OID	1.3.6.1.4.1.26027.1.1.237
Names	ds-pwp-account-expiration-time
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime

Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.112. ds-pwp-last-login-time

Holds a timestamp of the last successful bind.

OID	1.3.6.1.4.1.26027.1.1.162
Names	ds-pwp-last-login-time
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.113. ds-pwp-password-changed-by-required-time

Indicates whether the user's password was changed as required by the password policy.

OID	1.3.6.1.4.1.26027.1.1.163
Names	ds-pwp-password-changed-by-required-time
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true

User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.114. ds-pwp-password-expiration-time

Indicates when the password for the current entry expires.

OID	1.3.6.1.4.1.36733.2.1.1.60
Names	ds-pwp-password-expiration-time, pwdExpirationTime
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.115. ds-pwp-password-policy-dn

Pointer to the entry holding the password policy for the current entry.

OID	1.3.6.1.4.1.26027.1.1.244
Names	ds-pwp-password-policy-dn
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation

Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.116. ds-pwp-reset-time

Indicates when the user's password was reset.

OID	1.3.6.1.4.1.26027.1.1.164
Names	ds-pwp-reset-time
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.117. ds-pwp-warned-time

Indicates when the user was first warned about an expiring password.

OID	1.3.6.1.4.1.26027.1.1.165
Names	ds-pwp-warned-time
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.118. ds-rlim-idle-time-limit

Sets the maximum time the server allows the user to hold an idle connection open.

OID	1.3.6.1.4.1.26027.1.1.394
Names	ds-rlim-idle-time-limit
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.119. ds-rlim-lookthrough-limit

Sets the maximum number of entries the server considers when processing a search by the user.

OID	1.3.6.1.4.1.26027.1.1.241
Names	ds-rlim-lookthrough-limit
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.120. ds-rlim-size-limit

Sets the maximum number of entries returned for a search by the user.

OID	1.3.6.1.4.1.26027.1.1.116
Names	ds-rlim-size-limit
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.121. ds-rlim-time-limit

Sets the maximum server processing time for a search by the user.

OID	1.3.6.1.4.1.26027.1.1.117
Names	ds-rlim-time-limit
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.122. ds-sync-conflict

For an entry resulting from a replication conflict, holds the DN that the entry would have had without the conflict.

OID	1.3.6.1.4.1.26027.1.1.317

Names	ds-sync-conflict
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.123. ds-sync-fractional-exclude

Indicates which attributes to exclude in fractional replication.

OID	1.3.6.1.4.1.26027.1.1.589
Names	ds-sync-fractional-exclude
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.124. ds-sync-fractional-include

Indicates which attributes to include in fractional replication.

OID	1.3.6.1.4.1.26027.1.1.588
Names	ds-sync-fractional-include
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.125. ds-sync-generation-id

Holds the replication generation ID for a backend.

OID	1.3.6.1.4.1.26027.1.1.405
Names	ds-sync-generation-id
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.126. ds-sync-hist

Holds historical information for replication.

OID	1.3.6.1.4.1.26027.1.1.119
Names	ds-sync-hist
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	historicalCsnOrderingMatch
Syntax	OctetString
Single Value	false: multiple values allowed

User Modification Allowed	false
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.127. ds-sync-state

Holds replication state information for a backend.

OID	1.3.6.1.4.1.26027.1.1.185
Names	ds-sync-state
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.128. ds-target-group-dn

Pointer to a group to be shown as a virtual static group.

OID	1.3.6.1.4.1.26027.1.1.292
Names	ds-target-group-dn
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications

Origin	OpenDS Directory Server
Schema File	02-config.ldif

1.129. dSAQuality

Directory administrators can use this attribute to indicate the quality (availability) of this Directory System Agent (DSA).

OID	0.9.2342.19200300.100.1.49
Names	dSAQuality
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.130. emailAddress

OID	1.2.840.113549.1.9.1
Names	emailAddress
Description	represents the email address part of an X.509 certificate
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2985

Schema File	00-core.ldif

1.131. employeeNumber

Identifier that depends on the organization. It often reflects the order of hire or association with the organization.

OID	2.16.840.1.113730.3.1.3
Names	employeeNumber
Description	numerically identifies an employee within an organization
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.132. employeeType

Identifier for the employee to employer relationship, such as `Employee`, `Contractor`, or `Temp`. The values used depend on the classification of employees.

OID	2.16.840.1.113730.3.1.4
Names	employeeType
Description	type of employment for a person
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true

Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.133. enhancedSearchGuide

Sets of information used by directory clients when constructing search filters.

Examples: `person#(sn$APPROX)#wholeSubtree`, `organizationalUnit#(ou$SUBSTR)#oneLevel`

OID	2.5.4.47
Names	enhancedSearchGuide
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	EnhancedGuide
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.134. entryDN

An entry's distinguished name is not an attribute of the entry.

This operational attribute makes it possible to perform attribute value assertions against the DN of the entry, enabling operations such as LDAP compare and LDAP search.

OID	1.3.6.1.1.20
Names	entryDN
Description	DN of the entry
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	false

Usage	directoryOperation
Origin	RFC 5020
Schema File	00-core.ldif

1.135. entryUUID

Holds a Universally Unique Identifier (UUID) assigned to the entry.

The server generates the value of this operational attribute when adding the entry to the directory.

A UUID is a 16-octet (128-bit) string, constrained to the namespace specified in , and encoded using the ASCII representation.

Example: `597ae2f6-16a6-1027-98f4-d28b5365dc14`.

OID	1.3.6.1.1.16.4
Names	entryUUID
Description	UUID of the entry
Equality Matching Rule	uuidMatch
Ordering Matching Rule	uuidOrderingMatch
Syntax	UUID
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4530
Schema File	00-core.ldif

1.136. etag

Specifies an entity tag suitable for external use when comparing two versions of an entry.

OID	1.3.6.1.4.1.36733.2.1.1.59
Names	etag
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	PrintableString
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	OpenDJ Directory Server
Schema File	00-core.ldif

1.137. extendedRequests

OID	1.3.6.1.4.1.36733.2.1.1.83
Names	extendedRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.138. extendedResponses

OID	1.3.6.1.4.1.36733.2.1.1.84
Names	extendedResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications

Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.139. facsimileTelephoneNumber

Fax phone number, such as `+1 415 555 1212` or `+1 415 555 1212$fineResolution`.

OID	2.5.4.23
Names	facsimileTelephoneNumber
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	FacsimileTelephoneNumber
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.140. firstChangeNumber

Holds the oldest change number in the changelog.

OID	1.3.6.1.4.1.26027.1.1.593
Names	firstChangeNumber
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.141. followReferrals

OID	1.3.6.1.4.1.11.1.3.1.1.5
Names	followReferrals
Description	An agent or service does or should follow referrals
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.142. fullVendorVersion

Holds the vendor version including the build number.

OID	1.3.6.1.4.1.36733.2.1.1.141
Names	fullVendorVersion
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	false
Usage	dSAOperation
Origin	OpenDJ Directory Server
Schema File	00-core.ldif

1.143. gecos

OID	1.3.6.1.1.1.1.2
Names	gecos

Description	The GECOS field; the common name
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreIA5SubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.144. generationQualifier

Name strings typically forming the suffix part of a person's name.

Examples: `Jr.`, `3rd`

OID	2.5.4.44
Names	generationQualifier
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.145. gidNumber

OID	1.3.6.1.1.1.1.1
Names	gidNumber

Description	An integer uniquely identifying a group in an administrative domain
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.146. givenName

Part of a person's name that is neither their surname nor their middle name.

OID	2.5.4.42
Names	givenName
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.147. governingStructureRule

Indicates the structure rule governing the entry. The structure rule defines the names entries may have, and how entries may be related to each other.

OID	2.5.21.10

Names	governingStructureRule
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.148. hasSubordinates

Indicates whether the entry has any subordinate entries.

OID	2.5.18.9
Names	hasSubordinates
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	X.501
Schema File	00-core.ldif

1.149. homeDirectory

OID	1.3.6.1.1.1.1.3
Names	homeDirectory
Description	The absolute path to the home directory
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.150. homePhone

Home phone number, such as `+1 415 555 1212`.

OID	0.9.2342.19200300.100.1.20
Names	homePhone, homeTelephoneNumber
Equality Matching Rule	telephoneNumberMatch
Substring Matching Rule	telephoneNumberSubstringsMatch
Syntax	TelephoneNumber
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.151. homePostalAddress

Home postal address for an object, such as `1234 Main St.$Anytown, CA 12345$USA`. Values are expected to be no longer than 6 directory strings of 30 characters each, although servers are not expected to enforce these limits.

OID	0.9.2342.19200300.100.1.39
Names	homePostalAddress
Equality Matching Rule	caseIgnoreListMatch
Substring Matching Rule	caseIgnoreListSubstringsMatch
Syntax	PostalAddress
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.152. host

Hostname of a computer, generally as a fully qualified domain name such as `server.example.com`.

OID	0.9.2342.19200300.100.1.9
Names	host
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.153. houseIdentifier

OID	2.5.4.51
Names	houseIdentifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications

Origin	RFC 4519
Schema File	00-core.ldif

1.154. includedAttributes

In a changelog entry, holds the attributes on the entry prior to the change.

OID	1.3.6.1.4.1.36733.2.1.1.6
Names	includedAttributes
Description	A set of attributes which were part of the entry before the changes were applied
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDJ Directory Server
Schema File	03-changelog.ldif

1.155. info

General information associated with the object represented by the directory entry. Applications should not ascribe specific semantics to the value of this attribute.

OID	0.9.2342.19200300.100.1.4
Names	info
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524

Schema File	00-core.ldif

1.156. inheritable

OID	1.3.6.1.4.1.7628.5.4.1
Names	inheritable
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	false
Usage	dSAOperation
Origin	draft-ietf-ldup-subentry
Schema File	00-core.ldif

1.157. inheritAttribute

Holds the name of a collective attribute to inherit.

OID	1.3.6.1.4.1.26027.1.1.625
Names	inheritAttribute
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.158. inheritFromBaseRDN

Holds the RDN of the base entry under which the entries are found from which to inherit collective attributes.

OID	1.3.6.1.4.1.26027.1.1.622
Names	inheritFromBaseRDN
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.159. inheritFromDNAttribute

Holds the DN-syntax attribute specifying the entry from which to inherit collective attributes.

OID	1.3.6.1.4.1.26027.1.1.621
Names	inheritFromDNAttribute
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.160. inheritFromRDNAttribute

Holds the RDN attribute of the entry from which to inherit collective attributes.

OID	1.3.6.1.4.1.26027.1.1.624
Names	inheritFromRDNAttribute
Equality Matching Rule	objectIdentifierMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.161. inheritFromRDNType

Holds the RDN attribute type of the entry from which to inherit collective attributes.

OID	1.3.6.1.4.1.26027.1.1.623
Names	inheritFromRDNType
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.162. initials

Strings of initials of some or all of a person's names, excluding the surname(s). Each string is one value of the attribute.

OID	2.5.4.43
Names	initials
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.163. internationaliSDNNumber

Integrated Services Digital Network (ISDN) addresses, as specified by the International Telecommunication Union (ITU) Recommendation E.164.

OID	2.5.4.25
Names	internationaliSDNNumber
Equality Matching Rule	numericStringMatch
Ordering Matching Rule	numericStringOrderingMatch
Substring Matching Rule	numericStringSubstringsMatch
Syntax	NumericString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.164. ipHostNumber

OID	1.3.6.1.1.1.1.19
Names	ipHostNumber
Description	IPv4 addresses as a dotted decimal omitting leading zeros or IPv6 addresses as defined in RFC2373
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.165. ipNetmaskNumber

OID	1.3.6.1.1.1.1.21
Names	ipNetmaskNumber
Description	IP netmask as a dotted decimal, eg. 255.255.255.0, omitting leading zeros
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.166. ipNetworkNumber

OID	1.3.6.1.1.1.1.20
Names	ipNetworkNumber
Description	IP network as a dotted decimal, eg. 192.168, omitting leading zeros
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.167. ipProtocolNumber

OID	1.3.6.1.1.1.1.17
Names	ipProtocolNumber
Description	IP protocol number
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.168. ipServicePort

OID	1.3.6.1.1.1.1.15
Names	ipServicePort
Description	Service port number
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.169. ipServiceProtocol

OID	1.3.6.1.1.1.1.16
Names	ipServiceProtocol
Description	Service protocol name
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.170. ipTnetNumber

OID	1.3.6.1.4.1.42.2.27.5.1.68
Names	ipTnetNumber
Description	Trusted Solaris network template ip_address
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications

Origin	Solaris Specific
Schema File	05-solaris.ldif

1.171. ipTnetTemplateName

OID	1.3.6.1.4.1.42.2.27.5.1.67
Names	ipTnetTemplateName
Description	Trusted Solaris network template template_name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.172. isMemberOf

Shows group DNs of which this entry is a member.

OID	1.3.6.1.4.1.42.2.27.9.1.792
Names	isMemberOf
Description	Sun-defined attribute type
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	false
Usage	directoryOperation
Origin	Sun Java System Directory Server
Schema File	00-core.ldif

1.173. janetMailbox

Electronic mailbox attribute using the syntax specified in the *Grey Book* of the *Coloured Book* protocols. See, for example, the Wikipedia article on .

Example: `janetMail: user@UK.CO.EXAMPLE`.

Entries using this attribute must also include an `rfc822Mailbox` attribute, such as `mail: user@example.co.uk`.

OID	0.9.2342.19200300.100.1.46
Names	janetMailbox
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.174. javaClassName

Case-sensitive fully qualified name of a Java class or interface.

OID	1.3.6.1.4.1.42.2.27.4.1.6
Names	javaClassName
Description	Fully qualified name of distinguished Java class or interface
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications

Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.175. javaClassNames

Case-sensitive fully qualified names of a Java class or interface. Multiple values represent a class or interface name of this object, or of an ancestor class or interface of this object.

OID	1.3.6.1.4.1.42.2.27.4.1.13
Names	javaClassNames
Description	Fully qualified Java class or interface name
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.176. javaCodebase

Location from which to load the class specified by the `javaClassName` attribute.

If multiple values are present, each value is an independent code base, meaning each is an alternative location from which to load the class definition.

OID	1.3.6.1.4.1.42.2.27.4.1.7
Names	javaCodebase
Description	URL(s) specifying the location of class definition
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.177. javaDoc

URL to the Javadoc for the object.

OID	1.3.6.1.4.1.42.2.27.4.1.12
Names	javaDoc
Description	The Java documentation for the class
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.178. javaFactory

Case-sensitive fully qualified name of a Java class that can be used to create an instance of the class specified by the `javaClassName` attribute.

OID	1.3.6.1.4.1.42.2.27.4.1.10
Names	javaFactory
Description	Fully qualified Java class name of a JNDI object factory
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.179. javaReferenceAddress

Sequence of addresses of a JNDI reference. Each value represents and object of type `javax.naming.RefAddr`, and has the following form, where `#` is the delimiter:

`#sequence-number#address-type#(address-value|#string-content)`

sequence-number

The address's position in the JNDI reference starting at 0.

address-type

Type of JNDI address, which is a non-empty string.

address-value

Value of the address contents if the reference is of type `javax.naming.StringRefAddr`.

string-content

Base64-encoded string representation of the entire serialized address if the reference is not of type `javax.naming.StringRefAddr`.

OID	1.3.6.1.4.1.42.2.27.4.1.11
Names	javaReferenceAddress
Description	Addresses associated with a JNDI Reference
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.180. javaSerializedData

A serialized Java object. For details, see the .

OID	1.3.6.1.4.1.42.2.27.4.1.8
Names	javaSerializedData
Description	Serialized form of a Java object
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2713
Schema File	03-rfc2713.ldif

1.181. jpegPhoto

An image of a person in the JPEG File Interchange Format (JFIF).

OID	0.9.2342.19200300.100.1.60
Names	jpegPhoto
Description	a JPEG image
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	JPEG
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.182. knowledgeInformation

According to the specification, "This attribute is no longer used."

OID	2.5.4.2
Names	knowledgeInformation
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2256
Schema File	00-core.ldif

1.183. l

Name of a locality or place, such as a city, country or geographic region.

OID	2.5.4.7
Names	l, localityName
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.184. labeledURI

A URI with an optional label, as described in .

Example: `https://forgerock.com ForgeRock Home Page`

OID	1.3.6.1.4.1.250.1.57
Names	labeledURI
Description	Uniform Resource Identifier with optional label
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2079
Schema File	00-core.ldif

1.185. labeledURL

OID	1.3.6.1.4.1.250.1.41
Names	labeledURL
Description	Uniform Resource Locator with optional label
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2079
Schema File	00-core.ldif

1.186. lastChangeNumber

Holds the newest change number in the changelog.

OID	1.3.6.1.4.1.26027.1.1.594

Names	lastChangeNumber
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.187. lastExternalChangelogCookie

Holds the most recent cookie (cross domain state) available.

OID	1.3.6.1.4.1.26027.1.1.585
Names	lastExternalChangelogCookie
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	00-core.ldif

1.188. lastModifiedBy

DN of the last user to modify the entry.

Although not described in the RFC as an operational attribute, this attribute should be maintained by the server.

OID	0.9.2342.19200300.100.1.24

Names	lastModifiedBy
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.189. lastModifiedTime

UTC time when the entry was last modified.

Although not described in the RFC as an operational attribute, this attribute should be maintained by the server.

OID	0.9.2342.19200300.100.1.23
Names	lastModifiedTime
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.190. ldapMessagesRead

OID	1.3.6.1.4.1.36733.2.1.1.69
Names	ldapMessagesRead
Equality Matching Rule	integerMatch

Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.191. ldapMessagesWritten

OID	1.3.6.1.4.1.36733.2.1.1.70
Names	ldapMessagesWritten
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.192. ldapSyntaxes

This operational attribute used in LDAP schema defines syntaxes, which specify encodings used in LDAP.

OID	1.3.6.1.4.1.1466.101.120.16
Names	ldapSyntaxes
Equality Matching Rule	objectIdentifierFirstComponentMatch
Syntax	LDAPSyntaxDescription
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.193. loginShell

OID	1.3.6.1.1.1.1.4
Names	loginShell
Description	The path to the login shell
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.194. macAddress

OID	1.3.6.1.1.1.1.22
Names	macAddress
Description	MAC address in maximal, colon separated hex notation, eg. 00:00:92:90:ee:e2
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications

Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.195. mail

Internet mail addresses in Mailbox form, as described in . The server does not ensure that mail addresses conform to RFC 2821, however.

Be aware that matching is case-insensitive: `(mail=bjensen@example.com)` matches `BJENSEN@example.com`

Applications supporting internationalized domain names must use the ToASCII method described in to produce subdomain components of the Mailbox form.

OID	0.9.2342.19200300.100.1.3
Names	mail, rfc822Mailbox
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreIA5SubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.196. mailPreferenceOption

Indication of user's preference for having their names included in mailing lists.

Values are from the following list:

`no-list-inclusion` **(Default)**

Do not add name in mailing lists.

`any-list-inclusion`

May add name in mailing lists.

professional-list-inclusion

May add name in mailing lists related to user's professional interests, optionally as evaluated from the business organization or keywords in the entry.

OID	0.9.2342.19200300.100.1.47
Names	mailPreferenceOption
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.197. manager

DNs of manager entries for the entry of a person or entity.

OID	0.9.2342.19200300.100.1.10
Names	manager
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.198. matchingRules

This operational attribute used in LDAP schema defines matching rules, which specify how values of attributes are matched and compared.

OID	2.5.21.4
Names	matchingRules
Equality Matching Rule	objectIdentifierFirstComponentMatch
Syntax	MatchingRuleDescription
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.199. matchingRuleUse

This operational attribute used in LDAP schema defines matching rule uses, which list attributes that can be used with an `extensibleMatch` search filter.

OID	2.5.21.8
Names	matchingRuleUse
Equality Matching Rule	objectIdentifierFirstComponentMatch
Syntax	MatchingRuleUseDescription
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.200. mDRecord

A type MD (mail destination) DNS resource record.

OID	0.9.2342.19200300.100.1.27
Names	mDRecord
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.201. member

Distinguished names of objects that are part of a group.

OID	2.5.4.31
Names	member
Superior Type	distinguishedName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.202. memberGid

OID	1.3.6.1.4.1.42.2.27.5.1.30
Names	memberGid
Description	Posix Group Name
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.203. memberNisNetgroup

OID	1.3.6.1.1.1.1.13
Names	memberNisNetgroup
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactIA5SubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.204. memberUid

OID	1.3.6.1.1.1.1.12
Names	memberUid
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.205. memberURL

Holds LDAP URLs specifying dynamic group membership.

OID	2.16.840.1.113730.3.1.198
Names	memberURL
Description	Sun-defined attribute type
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Sun Java System Directory Server
Schema File	00-core.ldif

1.206. mgrpRFC822MailMember

OID	2.16.840.1.113730.3.1.30
Names	mgrpRFC822MailMember
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.207. mobile

Mobile phone number, such as `+1 415 555 1212`.

OID	0.9.2342.19200300.100.1.41
Names	mobile, mobileTelephoneNumber
Equality Matching Rule	telephoneNumberMatch
Substring Matching Rule	telephoneNumberSubstringsMatch
Syntax	TelephoneNumber
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.208. modifiersName

For entries updated over protocol (by an LDAP modify request, for example), this operational attribute indicates the DN of the creator's entry.

OID	2.5.18.4
Names	modifiersName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.209. modifyDNRequests

OID	1.3.6.1.4.1.36733.2.1.1.87
Names	modifyDNRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch

Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.210. modifyDNResponses

OID	1.3.6.1.4.1.36733.2.1.1.88
Names	modifyDNResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.211. modifyRequests

OID	1.3.6.1.4.1.36733.2.1.1.85
Names	modifyRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.212. modifyResponses

OID	1.3.6.1.4.1.36733.2.1.1.86
Names	modifyResponses
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.213. modifyTimestamp

For entries updated over protocol (by an LDAP modify request, for example), this operational attribute reflects the time the entry was last modified.

OID	2.5.18.2
Names	modifyTimestamp
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4512

Schema File	00-core.ldif

1.214. mxRecord

A type MX (mail exchange) DNS resource record.

OID	0.9.2342.19200300.100.1.28
Names	mxRecord
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.215. name

Base type for user attribute types with name syntax.

OID	2.5.4.41
Names	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.216. nameForms

This operational attribute used in LDAP schema defines name forms, which specify naming relations for structural object classes.

OID	2.5.21.7
Names	nameForms
Equality Matching Rule	objectIdentifierFirstComponentMatch
Syntax	NameFormDescription
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.217. namingContexts

This operational attribute indicates the base DNs mastered or shadowed by this server.

OID	1.3.6.1.4.1.1466.101.120.5
Names	namingContexts
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.218. newRDN

OID	2.16.840.1.113730.3.1.9
Names	newRDN

Description	the new RDN of an entry which is the target of a modrdn operation
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

1.219. newSuperior

OID	2.16.840.1.113730.3.1.11
Names	newSuperior
Description	the new parent of an entry which is the target of a moddn operation
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

1.220. nisDomain

OID	1.3.6.1.1.1.1.30
Names	nisDomain
Description	NIS domain
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.221. nisMapEntry

OID	1.3.6.1.1.1.1.27
Names	nisMapEntry
Description	A generic NIS entry
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactIA5SubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.222. nisMapName

OID	1.3.6.1.1.1.1.26
Names	nisMapName
Description	Name of a A generic NIS map
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.223. nisNetgroupTriple

OID	1.3.6.1.1.1.1.14
Names	nisNetgroupTriple
Description	Netgroup triple
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.224. nisNetIdGroup

OID	1.3.6.1.4.1.42.2.27.1.1.13
Names	nisNetIdGroup
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific

Schema File	05-solaris.ldif

1.225. nisNetIdHost

OID	1.3.6.1.4.1.42.2.27.1.1.14
Names	nisNetIdHost
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.226. nisNetIdUser

OID	1.3.6.1.4.1.42.2.27.1.1.12
Names	nisNetIdUser
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.227. nisplusTimeZone

OID	1.3.6.1.4.1.42.2.27.5.1.57

Names	nisplusTimeZone
Description	tzone column from NIS+ timezone table
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.228. nisPublicKey

OID	1.3.6.1.1.1.1.28
Names	nisPublicKey
Description	NIS public key
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.229. nisSecretKey

OID	1.3.6.1.1.1.1.29
Names	nisSecretKey
Description	NIS secret key
Equality Matching Rule	octetStringMatch

Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.230. nsds50ruv

DSEE attribute holding the internal state of the replica from the replication update vector.

OID	2.16.840.1.113730.3.1.587
Names	nsds50ruv
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Sun Directory Server
Schema File	06-compat.ldif

1.231. nSRecord

A type NS (name server) DNS resource record.

OID	0.9.2342.19200300.100.1.29
Names	nSRecord
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.232. nsUniqueId

DSEE attribute holding an entry UUID.

OID	2.16.840.1.113730.3.1.542
Names	nsUniqueId
Description	Sun-defined unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	Sun Java System Directory Server
Schema File	00-core.ldif

1.233. numSubordinates

This operational attribute holds a count of immediate subordinates of the current entry. (The count therefore does not include entries below immediate subordinates.)

As `numSubordinates` is an operational attribute client applications must request it explicitly in search results.

Support for the `numSubordinates` attribute is per entry. If it is present then its value is correct. Its absence does not, however, imply that there are no subordinates.

OID	1.3.6.1.4.1.453.16.2.103
Names	numSubordinates

Description	Count of immediate subordinates
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-ietf-boreham-numsubordinates
Schema File	00-core.ldif

1.234. o

X.500 `organizationName` attribute for the name of an organization.

Example: `ForgeRock, Inc.`

OID	2.5.4.10
Names	o, organizationName
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.235. objectClass

Describes the type of object represented by the entry, controlling which attributes must and may be present on the entry.

Each entry has at least two values, one of which is `top` or `alias`.

When an object class value is added to an entry, all superclasses of the object class are implicitly added. For example, if `inetOrgPerson` is added, `person` and `organizationalPerson` are also added.

OID	2.5.4.0
Names	objectClass
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4512
Schema File	00-core.ldif

1.236. objectClasses

This operational attribute used in LDAP schema defines object classes, which specify the types of objects that an entry represents, and the required and optional attributes for entries of those types.

OID	2.5.21.6
Names	objectClasses
Equality Matching Rule	objectIdentifierFirstComponentMatch
Syntax	ObjectClassDescription
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.237. objectclassMap

OID	1.3.6.1.4.1.11.1.3.1.1.11

Names	objectclassMap
Description	Object class mappings used, required, or supported by an agent or service
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.238. oncRpcNumber

OID	1.3.6.1.1.1.1.18
Names	oncRpcNumber
Description	ONC RPC number
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.239. operationsAbandoned

OID	1.3.6.1.4.1.36733.2.1.1.71
Names	operationsAbandoned
Equality Matching Rule	integerMatch

Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.240. operationsCompleted

OID	1.3.6.1.4.1.36733.2.1.1.73
Names	operationsCompleted
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.241. operationsInitiated

OID	1.3.6.1.4.1.36733.2.1.1.72
Names	operationsInitiated
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.242. organizationalStatus

Categories to refer to a person in an organization, such as `professor` or `staff`.

Similar attributes include `title` and `userClass`.

OID	0.9.2342.19200300.100.1.45
Names	organizationalStatus
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.243. otherMailbox

An electronic mailbox address of a type other than X.400 or RFC 822.

OID	0.9.2342.19200300.100.1.22
Names	otherMailbox
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.244. ou

X.500 `organizationalUnitName` attribute for the name of an organizational unit.

Example: `Product Development`

OID	2.5.4.11
Names	organizationalUnitName, ou
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.245. owner

Distinguished names of objects with an ownership relationship to the current object.

OID	2.5.4.32
Names	owner
Superior Type	distinguishedName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.246. pager

Pager phone number, such as `+1 415 555 1212`.

OID	0.9.2342.19200300.100.1.42
Names	pager, pagerTelephoneNumber
Equality Matching Rule	telephoneNumberMatch
Substring Matching Rule	telephoneNumberSubstringsMatch
Syntax	TelephoneNumber
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.247. personalSignature

Representation of a person's signature. According to RFC 1274, the value is,

> Encoded in G3 fax as explained in recommendation T.4, with an ASN.1 wrapper to make it compatible with an X.400 BodyPart as defined in X.420.

OID	0.9.2342.19200300.100.1.53
Names	personalSignature
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	Binary
Single Value	false: multiple values allowed
User Modification Allowed	true

Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.248. personalTitle

Personal title for a person, such as `Dr.` or `Professor`.

OID	0.9.2342.19200300.100.1.40
Names	personalTitle
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.249. photo

A photograph in G3 fax as described in recommendation T.4, with an ASN.1 wrapper to make it compatible with an X.400 BodyPart, as defined in X.420.

OID	0.9.2342.19200300.100.1.7
Names	photo
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798

Schema File	00-core.ldif

1.250. physicalDeliveryOfficeName

A name used by the postal service to identify a post office.

OID	2.5.4.19
Names	physicalDeliveryOfficeName
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.251. postalAddress

An address used by the postal service to perform services for the entity.

Use dollar signs (`$`) to separate lines in the address, and see the `PostalAddress` syntax description for details.

Example: `1234 Main St.$Anytown, CA 12345$USA`.

OID	2.5.4.16
Names	postalAddress
Equality Matching Rule	caseIgnoreListMatch
Substring Matching Rule	caseIgnoreListSubstringsMatch
Syntax	PostalAddress
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519

Schema File	00-core.ldif

1.252. postalCode

A code used by the postal service to identify postal service zones.

OID	2.5.4.17
Names	postalCode
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.253. postOfficeBox

A postal box identifier that the postal service uses when the customer receives mail at a box on the premises of the postal service.

OID	2.5.4.18
Names	postOfficeBox
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.254. preferredDeliveryMethod

Indicates the preferred method for getting a message to the entity, where the methods can be specified in order of decreasing priority.

Example: `mhs $ physical`.

OID	2.5.4.28
Names	preferredDeliveryMethod
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DeliveryMethod
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.255. preferredLanguage

Indicates a person's preferred language or languages, which is useful for international correspondence and computer interaction. describes an `Accept-Language` field. That field's content, without `Accept-Language:`, matches the content of this attribute.

Example: `en, ko;q=0.8`.

OID	2.16.840.1.113730.3.1.39
Names	preferredLanguage
Description	preferred written or spoken language for a person
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.256. preferredServerList

OID	1.3.6.1.4.1.11.1.3.1.1.2
Names	preferredServerList
Description	List of preferred servers
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.257. presentationAddress

An OSI presentation address.

OID	2.5.4.29
Names	presentationAddress
Equality Matching Rule	presentationAddressMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	PresentationAddress
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2256

Schema File	00-core.ldif

1.258. printer-aliases

OID	1.3.18.0.2.4.1108
Names	printer-aliases
Description	List of site-specific administrative names of this printer in addition to the value specified for printer-name.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.259. printer-charset-configured

OID	1.3.18.0.2.4.1109
Names	printer-charset-configured
Description	The configured charset in which error and status messages will be generated (by default) by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.260. printer-charset-supported

OID	1.3.18.0.2.4.1131
Names	printer-charset-supported
Description	Set of charsets supported for the attribute values of syntax DirectoryString for this directory entry.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.261. printer-color-supported

OID	1.3.18.0.2.4.1129
Names	printer-color-supported
Description	Indicates whether this printer is capable of any type of color printing at all, including highlight color.
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.262. printer-compression-supported

OID	1.3.18.0.2.4.1128
Names	printer-compression-supported

Description	Compression algorithms supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.263. printer-copies-supported

OID	1.3.18.0.2.4.1118
Names	printer-copies-supported
Description	The maximum number of copies of a document that may be printed as a single job on this printer.
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.264. printer-current-operator

OID	1.3.18.0.2.4.1112
Names	printer-current-operator
Description	The identity of the current human operator responsible for operating this printer.
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.265. printer-delivery-orientation-supported

OID	1.3.18.0.2.4.1114
Names	printer-delivery-orientation-supported
Description	The possible delivery orientations of pages as they are printed and ejected from this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.266. printer-document-format-supported

OID	1.3.18.0.2.4.1130
Names	printer-document-format-supported
Description	The possible source document formats which may be interpreted and printed by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.267. printer-finishings-supported

OID	1.3.18.0.2.4.1125
Names	printer-finishings-supported
Description	The possible finishing operations supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.268. printer-generated-natural-language-supported

OID	1.3.18.0.2.4.1137
Names	printer-generated-natural-language-supported
Description	Natural language(s) supported for this directory entry.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.269. printer-info

OID	1.3.18.0.2.4.1139
Names	printer-info
Description	Descriptive information about this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.270. printer-ipp-versions-supported

OID	1.3.18.0.2.4.1133
Names	printer-ipp-versions-supported
Description	IPP protocol version(s) that this printer supports.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications

Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.271. printer-job-k-octets-supported

OID	1.3.18.0.2.4.1111
Names	printer-job-k-octets-supported
Description	The maximum size in kilobytes (1,024 octets actually) incoming print job that this printer will accept.
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.272. printer-job-priority-supported

OID	1.3.18.0.2.4.1110
Names	printer-job-priority-supported
Description	Indicates the number of job priority levels supported by this printer.
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.273. printer-location

OID	1.3.18.0.2.4.1136
Names	printer-location
Description	The physical location of this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.274. printer-make-and-model

OID	1.3.18.0.2.4.1138
Names	printer-make-and-model
Description	Make and model of this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.275. printer-media-local-supported

OID	1.3.18.0.2.4.1117

Names	printer-media-local-supported
Description	Site-specific names of media supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.276. printer-media-supported

OID	1.3.18.0.2.4.1122
Names	printer-media-supported
Description	The standard names/types/sizes (and optional color suffixes) of the media supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.277. printer-more-info

OID	1.3.18.0.2.4.1134
Names	printer-more-info
Description	A URI for more information about this specific printer.

Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.278. printer-multiple-document-jobs-supported

OID	1.3.18.0.2.4.1132
Names	printer-multiple-document-jobs-supported
Description	Indicates whether this printer supports more than one document per job.
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.279. printer-name

OID	1.3.18.0.2.4.1135
Names	printer-name
Description	The site-specific administrative name of this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.280. printer-natural-language-configured

OID	1.3.18.0.2.4.1119
Names	printer-natural-language-configured
Description	The configured natural language in which error and status messages will be generated (by default) by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.281. printer-number-up-supported

OID	1.3.18.0.2.4.1124
Names	printer-number-up-supported
Description	The possible numbers of print-stream pages to impose upon a single side of an instance of a selected medium.
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.282. printer-output-features-supported

OID	1.3.18.0.2.4.1116
Names	printer-output-features-supported
Description	The possible output features supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.283. printer-pages-per-minute-color

OID	1.3.18.0.2.4.1126
Names	printer-pages-per-minute-color
Description	The nominal number of color pages per minute which may be output by this printer.
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.284. printer-pages-per-minute

OID	1.3.18.0.2.4.1127
Names	printer-pages-per-minute
Description	The nominal number of pages per minute which may be output by this printer.
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.285. printer-print-quality-supported

OID	1.3.18.0.2.4.1120
Names	printer-print-quality-supported
Description	List of print qualities supported for printing documents on this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.286. printer-resolution-supported

OID	1.3.18.0.2.4.1121
Names	printer-resolution-supported
Description	List of resolutions supported for printing documents by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.287. printer-service-person

OID	1.3.18.0.2.4.1113
Names	printer-service-person
Description	The identity of the current human service person responsible for servicing this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.288. printer-sides-supported

OID	1.3.18.0.2.4.1123

Names	printer-sides-supported
Description	The number of impression sides (one or two) and the two-sided impression rotations supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.289. printer-stacking-order-supported

OID	1.3.18.0.2.4.1115
Names	printer-stacking-order-supported
Description	The possible stacking order of pages as they are printed and ejected from this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.290. printer-uri

OID	1.3.18.0.2.4.1140
Names	printer-uri

Description	A URI supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.291. printer-xri-supported

OID	1.3.18.0.2.4.1107
Names	printer-xri-supported
Description	The unordered list of XRI (extended resource identifiers) supported by this printer.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 3712
Schema File	03-rfc3712.ldif

1.292. profileTTL

OID	1.3.6.1.4.1.11.1.3.1.1.7
Names	profileTTL
Description	Time to live, in seconds, before a profile is considered stale
Equality Matching Rule	integerMatch

Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.293. protocolInformation

Used with a `presentationAddress` attribute to provide additional information to the OSI network service.

OID	2.5.4.48
Names	protocolInformation
Equality Matching Rule	protocolInformationMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	ProtocolInformation
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2256
Schema File	00-core.ldif

1.294. pwdAccountLockedTime

Timestamp when the account was last locked, where `000001010000Z` means the account has been locked permanently.

OID	1.3.6.1.4.1.42.2.27.8.1.17
Names	pwdAccountLockedTime
Description	The time an user account was locked
Equality Matching Rule	generalizedTimeMatch

Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.295. pwdAllowUserChange

Whether users can change their own passwords.

OID	1.3.6.1.4.1.42.2.27.8.1.14
Names	pwdAllowUserChange
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.296. pwdAttribute

Name of the attribute to which the password policy applies.

OID	1.3.6.1.4.1.42.2.27.8.1.1
Names	pwdAttribute
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.297. pwdChangedTime

Timestamp of last password change.

OID	1.3.6.1.4.1.42.2.27.8.1.16
Names	pwdChangedTime
Description	The time the password was last changed
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.298. pwdCheckQuality

How to verify quality when a password is added or modified. 0: do not check; 1: check, but accept if validation passes or if unable to check; 2: check, and return an error if verification does not pass or cannot be completed.

OID	1.3.6.1.4.1.42.2.27.8.1.5
Names	pwdCheckQuality
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.299. pwdExpireWarning

Maximum number of seconds before expiry to begin returning errors to the user binding to the directory.

OID	1.3.6.1.4.1.42.2.27.8.1.7
Names	pwdExpireWarning
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.300. pwdFailureCountInterval

Number of seconds after which failures are purged from the failure counter.

OID	1.3.6.1.4.1.42.2.27.8.1.12
Names	pwdFailureCountInterval
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.301. pwdFailureTime

Timestamp of the last consecutive authentication failure.

OID	1.3.6.1.4.1.42.2.27.8.1.19
Names	pwdFailureTime
Description	The timestamps of the last consecutive authentication failures
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	false: multiple values allowed
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.302. pwdGraceAuthNLimit

Number of times an expired password can be used to authenticate.

OID	1.3.6.1.4.1.42.2.27.8.1.8
Names	pwdGraceAuthNLimit
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.303. pwdGraceUseTime

Timestamps of grace authentications after a password expired.

OID	1.3.6.1.4.1.42.2.27.8.1.21
Names	pwdGraceUseTime
Description	The timestamps of the grace authentication after the password has expired
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	false: multiple values allowed
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.304. pwdHistory

History of previously used passwords.

OID	1.3.6.1.4.1.42.2.27.8.1.20
Names	pwdHistory
Description	The history of user s passwords
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	false: multiple values allowed

User Modification Allowed	false
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.305. pwdInHistory

Maximum number of passwords stored in the `pwdHistory` attribute.

OID	1.3.6.1.4.1.42.2.27.8.1.4
Names	pwdInHistory
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.306. pwdLockout

Whether the password can no longer used to authenticate when `pwdMaxFailure` has been reached.

OID	1.3.6.1.4.1.42.2.27.8.1.9
Names	pwdLockout
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy

Schema File	01-pwpolicy.ldif

1.307. pwdLockoutDuration

Number of seconds when the password can not be used to authenticate after `pwdMaxFailure` has been reached.

OID	1.3.6.1.4.1.42.2.27.8.1.10
Names	pwdLockoutDuration
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.308. pwdMaxAge

Number of seconds after which a password expires.

OID	1.3.6.1.4.1.42.2.27.8.1.3
Names	pwdMaxAge
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.309. pwdMaxFailure

Maximum number of consecutive failed bind attempts allowed before the account is locked.

OID	1.3.6.1.4.1.42.2.27.8.1.11
Names	pwdMaxFailure
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.310. pwdMinAge

Minimum number of seconds between modifications to the password.

OID	1.3.6.1.4.1.42.2.27.8.1.2
Names	pwdMinAge
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.311. pwdMinLength

Minimum number of characters in a password.

OID	1.3.6.1.4.1.42.2.27.8.1.6
Names	pwdMinLength
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.312. pwdMustChange

Whether users much change their passwords when first binding or after a password reset.

OID	1.3.6.1.4.1.42.2.27.8.1.13
Names	pwdMustChange
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.313. pwdPolicySubentry

Pointer to the password policy subentry for the current entry.

OID	1.3.6.1.4.1.42.2.27.8.1.23
Names	pwdPolicySubentry
Description	The pwdPolicy subentry in effect for this object
Equality Matching Rule	distinguishedNameMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.314. pwdReset

Whether the password has been reset by an administrator, and must be changed by the user.

OID	1.3.6.1.4.1.42.2.27.8.1.22
Names	pwdReset
Description	The indication that the password has been reset
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.315. pwdSafeModify

Whether the existing password must be supplied when changing passwords.

OID	1.3.6.1.4.1.42.2.27.8.1.15
Names	pwdSafeModify
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

1.316. ref

This attribute holds `labeledURI` values referring to another LDAP server. The URI should be an LDAP URL. The URI should not specify scope, filter, or an attribute description list, and it should contain a non-empty DN.

Example: `ldap://referral.example.com:1389/ou=Subscribers,dc=example,dc=com`

OID	2.16.840.1.113730.3.1.34
Names	ref
Description	named reference - a labeledURI
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	distributedOperation
Origin	RFC 3296
Schema File	00-core.ldif

1.317. registeredAddress

A postal address suitable for reception of telegrams and expedited documents, where the recipient must accept delivery.

Example: `Receptionist$Widget, Inc.$1234 Main St.$Anytown, CA 12345$USA`.

OID	2.5.4.26
Names	registeredAddress
Superior Type	postalAddress
Equality Matching Rule	caseIgnoreListMatch

Substring Matching Rule	caseIgnoreListSubstringsMatch
Syntax	PostalAddress
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.318. replicaIdentifier

Uniquely identifies a replica in a topology.

OID	1.3.6.1.4.1.42.2.27.9.1.724
Names	replicaIdentifier
Description	the OpenDS replication domain server identifier for the change
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	03-changelog.ldif

1.319. replicationCSN

Holds a replication change sequence number.

OID	1.3.6.1.4.1.42.2.27.9.1.725
Names	replicationCSN
Description	The OpenDS replication change number for the change
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	03-changelog.ldif

1.320. rfc822mailMember

OID	1.3.6.1.4.1.42.2.27.2.1.15
Names	rfc822mailMember
Description	rfc822 mail addresss of group member
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.321. roleOccupant

Distinguished names of objects that fulfill the responsibilities of the current role object.

For example, if the role object is for Director of Engineering, this role could be fulfilled by multiple users.

OID	2.5.4.33
Names	roleOccupant
Superior Type	distinguishedName
Equality Matching Rule	distinguishedNameMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.322. roomNumber

Room number for an object, which might be multiple when rooms are being renumbered, for example. Use the `cn` attribute when naming rooms, as room numbers can change.

OID	0.9.2342.19200300.100.1.6
Names	roomNumber
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.323. sambaAcctFlags

OID	1.3.6.1.4.1.7165.2.1.26
Names	sambaAcctFlags
Description	Account Flags
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.324. sambaAlgorithmicRidBase

OID	1.3.6.1.4.1.7165.2.1.40
Names	sambaAlgorithmicRidBase
Description	Base at which the samba RID generation algorithm should operate
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.325. sambaBadPasswordCount

OID	1.3.6.1.4.1.7165.2.1.48
Names	sambaBadPasswordCount
Description	Bad password attempt count
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications

Schema File	05-samba.ldif

1.326. sambaBadPasswordTime

OID	1.3.6.1.4.1.7165.2.1.49
Names	sambaBadPasswordTime
Description	Time of the last bad password attempt
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.327. sambaBoolOption

OID	1.3.6.1.4.1.7165.2.1.43
Names	sambaBoolOption
Description	A boolean option
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.328. sambaDomainName

OID	1.3.6.1.4.1.7165.2.1.38
Names	sambaDomainName

Description	Windows NT domain to which the user belongs
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.329. sambaForceLogoff

OID	1.3.6.1.4.1.7165.2.1.66
Names	sambaForceLogoff
Description	Disconnect Users outside logon hours (default: -1 => off, 0 => on)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.330. sambaGroupType

OID	1.3.6.1.4.1.7165.2.1.19
Names	sambaGroupType
Description	NT Group Type
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer

Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.331. sambaHomeDrive

OID	1.3.6.1.4.1.7165.2.1.33
Names	sambaHomeDrive
Description	Driver letter of home directory mapping
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.332. sambaHomePath

OID	1.3.6.1.4.1.7165.2.1.37
Names	sambaHomePath
Description	Home directory UNC path
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.333. sambaIntegerOption

OID	1.3.6.1.4.1.7165.2.1.44
Names	sambaIntegerOption
Description	An integer option
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.334. sambaKickoffTime

OID	1.3.6.1.4.1.7165.2.1.32
Names	sambaKickoffTime
Description	Timestamp of when the user will be logged off automatically
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.335. sambaLMPassword

OID	1.3.6.1.4.1.7165.2.1.24
Names	sambaLMPassword

Description	LanManager Password
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.336. sambaLockoutDuration

OID	1.3.6.1.4.1.7165.2.1.63
Names	sambaLockoutDuration
Description	Lockout duration in minutes (default: 30, -1 => forever)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.337. sambaLockoutObservationWindow

OID	1.3.6.1.4.1.7165.2.1.64
Names	sambaLockoutObservationWindow
Description	Reset time after lockout in minutes (default: 30)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer

Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.338. sambaLockoutThreshold

OID	1.3.6.1.4.1.7165.2.1.65
Names	sambaLockoutThreshold
Description	Lockout users after bad logon attempts (default: 0 => off)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.339. sambaLogoffTime

OID	1.3.6.1.4.1.7165.2.1.31
Names	sambaLogoffTime
Description	Timestamp of last logoff
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.340. sambaLogonHours

OID	1.3.6.1.4.1.7165.2.1.55
Names	sambaLogonHours
Description	Logon Hours
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.341. sambaLogonScript

OID	1.3.6.1.4.1.7165.2.1.34
Names	sambaLogonScript
Description	Logon script path
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.342. sambaLogonTime

OID	1.3.6.1.4.1.7165.2.1.30
Names	sambaLogonTime
Description	Timestamp of last logon

Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.343. sambaLogonToChgPwd

OID	1.3.6.1.4.1.7165.2.1.60
Names	sambaLogonToChgPwd
Description	Force Users to logon for password change (default: 0 => off, 2 => on)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.344. sambaMaxPwdAge

OID	1.3.6.1.4.1.7165.2.1.61
Names	sambaMaxPwdAge
Description	Maximum password age, in seconds (default: -1 => never expire passwords)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true

User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.345. sambaMinPwdAge

OID	1.3.6.1.4.1.7165.2.1.62
Names	sambaMinPwdAge
Description	Minimum password age, in seconds (default: 0 => allow immediate password change)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.346. sambaMinPwdLength

OID	1.3.6.1.4.1.7165.2.1.58
Names	sambaMinPwdLength
Description	Minimal password length (default: 5)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.347. sambaMungedDial

OID	1.3.6.1.4.1.7165.2.1.47
Names	sambaMungedDial
Description	Base64 encoded user parameter string
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.348. sambaNextGroupRid

OID	1.3.6.1.4.1.7165.2.1.22
Names	sambaNextGroupRid
Description	Next NT rid to give out for groups
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.349. sambaNextRid

OID	1.3.6.1.4.1.7165.2.1.39
Names	sambaNextRid

Description	Next NT rid to give out for anything
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.350. sambaNextUserRid

OID	1.3.6.1.4.1.7165.2.1.21
Names	sambaNextUserRid
Description	Next NT rid to give our for users
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.351. sambaNTPassword

OID	1.3.6.1.4.1.7165.2.1.25
Names	sambaNTPassword
Description	MD4 hash of the unicode password
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String

Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.352. sambaOptionName

OID	1.3.6.1.4.1.7165.2.1.42
Names	sambaOptionName
Description	Option Name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.353. sambaPasswordHistory

OID	1.3.6.1.4.1.7165.2.1.54
Names	sambaPasswordHistory
Description	Concatenated MD4 hashes of the unicode passwords used on this account
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.354. sambaPrimaryGroupSID

OID	1.3.6.1.4.1.7165.2.1.23
Names	sambaPrimaryGroupSID
Description	Primary Group Security ID
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.355. sambaPrivilegeList

OID	1.3.6.1.4.1.7165.2.1.52
Names	sambaPrivilegeList
Description	Privileges List
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.356. sambaProfilePath

OID	1.3.6.1.4.1.7165.2.1.35
Names	sambaProfilePath

Description	Roaming profile path
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.357. sambaPwdCanChange

OID	1.3.6.1.4.1.7165.2.1.28
Names	sambaPwdCanChange
Description	Timestamp of when the user is allowed to update the password
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.358. sambaPwdHistoryLength

OID	1.3.6.1.4.1.7165.2.1.59
Names	sambaPwdHistoryLength
Description	Length of Password History Entries (default: 0 => off)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer

Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.359. sambaPwdLastSet

OID	1.3.6.1.4.1.7165.2.1.27
Names	sambaPwdLastSet
Description	Timestamp of the last password update
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.360. sambaPwdMustChange

OID	1.3.6.1.4.1.7165.2.1.29
Names	sambaPwdMustChange
Description	Timestamp of when the password will expire
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.361. sambaRefuseMachinePwdChange

OID	1.3.6.1.4.1.7165.2.1.67
Names	sambaRefuseMachinePwdChange
Description	Allow Machine Password changes (default: 0 => off)
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.362. sambaShareName

OID	1.3.6.1.4.1.7165.2.1.41
Names	sambaShareName
Description	Share Name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.363. sambaSID

OID	1.3.6.1.4.1.7165.2.1.20
Names	sambaSID

Description	Security ID
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.364. sambaSIDList

OID	1.3.6.1.4.1.7165.2.1.51
Names	sambaSIDList
Description	Security ID List
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.365. sambaStringListOption

OID	1.3.6.1.4.1.7165.2.1.46
Names	sambaStringListOption
Description	A string list option
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.366. sambaStringOption

OID	1.3.6.1.4.1.7165.2.1.45
Names	sambaStringOption
Description	A string option
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.367. sambaTrustFlags

OID	1.3.6.1.4.1.7165.2.1.53
Names	sambaTrustFlags
Description	Trust Password Flags
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.368. sambaUserWorkstations

OID	1.3.6.1.4.1.7165.2.1.36
Names	sambaUserWorkstations
Description	List of user workstations the user is allowed to logon to
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Schema File	05-samba.ldif

1.369. searchGuide

Sets of information used by directory clients when constructing search filters.

This attribute is superseded by `enhancedSearchGuide`.

OID	2.5.4.14
Names	searchGuide
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	Guide
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.370. searchOneRequests

OID	1.3.6.1.4.1.36733.2.1.1.90
Names	searchOneRequests

Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.371. searchRequests

OID	1.3.6.1.4.1.36733.2.1.1.89
Names	searchRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.372. searchResultEntries

OID	1.3.6.1.4.1.36733.2.1.1.92
Names	searchResultEntries
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.373. searchResultReferences

OID	1.3.6.1.4.1.36733.2.1.1.93
Names	searchResultReferences
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.374. searchResultsDone

OID	1.3.6.1.4.1.36733.2.1.1.94
Names	searchResultsDone
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.375. searchSubRequests

OID	1.3.6.1.4.1.36733.2.1.1.91
Names	searchSubRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.376. searchTimeLimit

OID	1.3.6.1.4.1.11.1.3.1.1.3
Names	searchTimeLimit
Description	Maximum time an agent or service allows for a search to complete
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.377. secretary

DNs of secretary or administrative assistant entries for the entry of a person or entity.

OID	0.9.2342.19200300.100.1.21

Names	secretary
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.378. seeAlso

Distinguished names of entries related to the current entry.

OID	2.5.4.34
Names	seeAlso
Superior Type	distinguishedName
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.379. serialNumber

Serial numbers of a device.

OID	2.5.4.5
Names	serialNumber
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	PrintableString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.380. service-advert-attribute-authenticator

An SLP attribute authenticator, as described in .

OID	1.3.6.1.4.1.6252.2.27.6.1.7
Names	service-advert-attribute-authenticator
Description	The authenticator for the attribute list, null if none.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926
Schema File	03-rfc2926.ldif

1.381. service-advert-scopes

SLP scopes as described in .

OID	1.3.6.1.4.1.6252.2.27.6.1.5
Names	service-advert-scopes
Description	A list of scopes for a service advertisement.
Equality Matching Rule	caseExactIA5Match

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926
Schema File	03-rfc2926.ldif

1.382. service-advert-service-type

Service-specific type of an SLP `template-type` as described in .

OID	1.3.6.1.4.1.6252.2.27.6.1.4
Names	service-advert-service-type
Description	The service type of the service advertisement, including the "service:" prefix.
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926
Schema File	03-rfc2926.ldif

1.383. service-advert-url-authenticator

An SLP URL authenticator, as described in .

OID	1.3.6.1.4.1.6252.2.27.6.1.6
Names	service-advert-url-authenticator
Description	The authenticator for the URL, null if none.
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926
Schema File	03-rfc2926.ldif

1.384. serviceAuthenticationMethod

OID	1.3.6.1.4.1.11.1.3.1.1.15
Names	serviceAuthenticationMethod
Description	Specifies types authentication methods either used, required, or supported by a particular service
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.385. serviceCredentialLevel

OID	1.3.6.1.4.1.11.1.3.1.1.13
Names	serviceCredentialLevel
Description	Specifies the type of credentials either used, required, or supported by a specific service
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.386. serviceSearchDescriptor

OID	1.3.6.1.4.1.11.1.3.1.1.14
Names	serviceSearchDescriptor
Description	Specifies search descriptors required, used, or supported by a particular service or agent
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4876
Schema File	05-rfc4876.ldif

1.387. shadowExpire

OID	1.3.6.1.1.1.1.10
Names	shadowExpire
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true

User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.388. shadowFlag

OID	1.3.6.1.1.1.1.11
Names	shadowFlag
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.389. shadowInactive

OID	1.3.6.1.1.1.1.9
Names	shadowInactive
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.390. shadowLastChange

OID	1.3.6.1.1.1.1.5
Names	shadowLastChange
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.391. shadowMax

OID	1.3.6.1.1.1.1.7
Names	shadowMax
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.392. shadowMin

OID	1.3.6.1.1.1.1.6
Names	shadowMin
Equality Matching Rule	integerMatch

Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.393. shadowWarning

OID	1.3.6.1.1.1.1.8
Names	shadowWarning
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.394. singleLevelQuality

Directory administrators can use this attribute to indicate the data quality at the level immediately below in the DIT.

OID	0.9.2342.19200300.100.1.50
Names	singleLevelQuality
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.395. sn

X.500 `surname` attribute that contains the family name of a person.

OID	2.5.4.4
Names	sn, surname
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.396. sOARecord

A type SOA (start of authority) DNS resource record.

OID	0.9.2342.19200300.100.1.30
Names	sOARecord
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.397. SolarisAttrKeyValue

OID	1.3.6.1.4.1.42.2.27.5.1.4
Names	SolarisAttrKeyValue
Description	Semi-colon separated key=value pairs of attributes
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreIA5SubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.398. SolarisAttrLongDesc

OID	1.3.6.1.4.1.42.2.27.5.1.8
Names	SolarisAttrLongDesc
Description	Detail description about an entry
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.399. SolarisAttrReserved1

OID	1.3.6.1.4.1.42.2.27.5.1.13
Names	SolarisAttrReserved1
Description	Reserved for future use
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.400. SolarisAttrReserved2

OID	1.3.6.1.4.1.42.2.27.5.1.14
Names	SolarisAttrReserved2
Description	Reserved for future use
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.401. SolarisAttrShortDesc

OID	1.3.6.1.4.1.42.2.27.5.1.7
Names	SolarisAttrShortDesc
Description	Short description about an entry, used by GUIs
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.402. SolarisAuditAlways

OID	1.3.6.1.4.1.42.2.27.5.1.5
Names	SolarisAuditAlways
Description	Always audited attributes per-user
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.403. SolarisAuditNever

OID	1.3.6.1.4.1.42.2.27.5.1.6

Names	SolarisAuditNever
Description	Never audited attributes per-user
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.404. SolarisAuthMethod

OID	1.3.6.1.4.1.42.2.27.5.1.20
Names	SolarisAuthMethod
Description	Authentication method to be used eg. "NS_LDAP_AUTH_NONE", "NS_LDAP_AUTH_SIMPLE" or "NS_LDAP_AUTH_SASL_CRAM_MD5"
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.405. SolarisBindDN

OID	1.3.6.1.4.1.42.2.27.5.1.18
Names	SolarisBindDN
Description	DN to be used to bind to the directory as proxy

Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.406. SolarisBindPassword

OID	1.3.6.1.4.1.42.2.27.5.1.19
Names	SolarisBindPassword
Description	Password for bindDN to authenticate to the directory
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.407. SolarisBindTimeLimit

OID	1.3.6.1.4.1.42.2.27.5.1.31
Names	SolarisBindTimeLimit
Description	Time Limit in seconds for bind operations
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch

Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.408. SolarisCacheTTL

OID	1.3.6.1.4.1.42.2.27.5.1.17
Names	SolarisCacheTTL
Description	TTL value for the Domain information eg. 1w, 2d, 3h, 10m, or 5s
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.409. SolarisCertificatePassword

OID	1.3.6.1.4.1.42.2.27.5.1.23
Names	SolarisCertificatePassword
Description	Password or PIN that grants access to certificate.
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.410. SolarisCertificatePath

OID	1.3.6.1.4.1.42.2.27.5.1.22
Names	SolarisCertificatePath
Description	Path to certificate file/device
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.411. SolarisDataSearchDN

OID	1.3.6.1.4.1.42.2.27.5.1.24
Names	SolarisDataSearchDN
Description	Search DN for data lookup in ":(DN0),(DN1),..." format
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.412. SolarisKernelSecurityPolicy

OID	1.3.6.1.4.1.42.2.27.5.1.9
Names	SolarisKernelSecurityPolicy
Description	Solaris kernel security policy
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.413. SolarisLDAPServers

OID	1.3.6.1.4.1.42.2.27.5.1.15
Names	SolarisLDAPServers
Description	LDAP Server address eg. 76.234.3.1:389
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.414. SolarisPreferredServer

OID	1.3.6.1.4.1.42.2.27.5.1.27

Names	SolarisPreferredServer
Description	Preferred LDAP Server address or network number
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.415. SolarisPreferredServerOnly

OID	1.3.6.1.4.1.42.2.27.5.1.28
Names	SolarisPreferredServerOnly
Description	Boolean flag for use of preferredServer or not
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.416. SolarisProfileId

OID	1.3.6.1.4.1.42.2.27.5.1.11
Names	SolarisProfileId
Description	Identifier of object defined in profile
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.417. SolarisProfileType

OID	1.3.6.1.4.1.42.2.27.5.1.10
Names	SolarisProfileType
Description	Type of object defined in profile
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.418. SolarisProjectAttr

OID	1.3.6.1.4.1.42.2.27.5.1.3
Names	SolarisProjectAttr
Description	Attributes of a Solaris Project entry
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.419. SolarisProjectID

OID	1.3.6.1.4.1.42.2.27.5.1.1
Names	SolarisProjectID
Description	Unique ID for a Solaris Project entry
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.420. SolarisProjectName

OID	1.3.6.1.4.1.42.2.27.5.1.2
Names	SolarisProjectName
Description	Name of a Solaris Project Entry
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true

Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.421. SolarisSearchBaseDN

OID	1.3.6.1.4.1.42.2.27.5.1.16
Names	SolarisSearchBaseDN
Description	Search Base Distinguished Name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.422. SolarisSearchReferral

OID	1.3.6.1.4.1.42.2.27.5.1.29
Names	SolarisSearchReferral
Description	referral chasing option eg. "NS_LDAP_NOREF" or "NS_LDAP_FOLLOWREF"
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.423. SolarisSearchScope

OID	1.3.6.1.4.1.42.2.27.5.1.25
Names	SolarisSearchScope
Description	Scope to be used for search operations eg. "NS_LDAP_SCOPE_BASE", "NS_LDAP_SCOPE_ONELEVEL" or "NS_LDAP_SCOPE_SUBTREE"
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.424. SolarisSearchTimeLimit

OID	1.3.6.1.4.1.42.2.27.5.1.26
Names	SolarisSearchTimeLimit
Description	Time Limit in seconds for search operations
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.425. SolarisTransportSecurity

OID	1.3.6.1.4.1.42.2.27.5.1.21

Names	SolarisTransportSecurity
Description	Transport Level Security method to be used eg. "NS_LDAP_SEC_NONE" or "NS_LDAP_SEC_SASL_TLS"
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.426. SolarisUserQualifier

OID	1.3.6.1.4.1.42.2.27.5.1.12
Names	SolarisUserQualifier
Description	Per-user login attributes
Equality Matching Rule	caseIgnoreIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.427. st

Full name of a state or province.

OID	2.5.4.8
Names	st, stateOrProvinceName

Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.428. street

Site information for a postal address, such as the street name, place, avenue, and house number.

Example: `1234 Main St.`

OID	2.5.4.9
Names	street, streetAddress
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.429. structuralObjectClass

Indicates the structural object class of the entry.

OID	2.5.21.9
Names	structuralObjectClass

Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.430. subschemaSubentry

This operational attribute indicates the entry holding the LDAP schema definitions that apply to the current entry.

OID	2.5.18.10
Names	subschemaSubentry
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	false
Usage	directoryOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.431. subtreeMaximumQuality

Directory administrators can use this attribute to indicate the maximum data quality for a DIT subtree.

The default is the value of `singleLevelQuality`.

OID	0.9.2342.19200300.100.1.52
Names	subtreeMaximumQuality
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.432. subtreeMinimumQuality

Directory administrators can use this attribute to indicate the minimum data quality for a DIT subtree.

The default is the value of `singleLevelQuality`.

OID	0.9.2342.19200300.100.1.51
Names	subtreeMinimumQuality
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.433. subtreeSpecification

A subtree specification provides a way to describe a subset of entries in a subtree of the DIT. A subtree begins at a base entry and includes the subordinates of that entry to an optionally specified lower boundary, possibly including leaf entries.

The following example uses a subtree specification to apply privileges to Directory Administrators group members under `ou=people` (relative to the parent of the subentry). In other words, this sample applies to entries under `ou=people,dc=example,dc=com`:

FORGEROCK

```
dn: cn=Administrator Privileges,dc=example,dc=com
objectClass: collectiveAttributeSubentry
objectClass: extensibleObject
objectClass: subentry
objectClass: top
cn: Administrator Privileges
ds-privilege-name;collective: config-read
ds-privilege-name;collective: config-write
ds-privilege-name;collective: ldif-export
ds-privilege-name;collective: modify-acl
ds-privilege-name;collective: password-reset
ds-privilege-name;collective: proxied-auth
subtreeSpecification: {base "ou=people", specificationFilter
   "(isMemberOf=cn=Directory Administrators,ou=Groups,dc=example,dc=com)" }
```

Notice that the subentry where this operational attribute occurs sets the context that implicitly defines the bounds of the subtree.

OID	2.5.18.6
Names	subtreeSpecification
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	SubtreeSpecification
Single Value	true
User Modification Allowed	true
Usage	directoryOperation
Origin	RFC 3672
Schema File	00-core.ldif

1.434. sun-printer-bsdaddr

OID	1.3.6.1.4.1.42.2.27.5.1.63
Names	sun-printer-bsdaddr
Description	Sets the server, print queue destination name and whether the client generates protocol extensions. "Solaris" specifies a Solaris print server extension. The value is represented by the following value: server "," destination ", Solaris".
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.435. sun-printer-kvp

OID	1.3.6.1.4.1.42.2.27.5.1.64
Names	sun-printer-kvp
Description	This attribute contains a set of key value pairs which may have meaning to the print subsystem or may be user defined. Each value is represented by the following: key "=" value.
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific
Schema File	05-solaris.ldif

1.436. supportedAlgorithms

X.509 supported algorithms, as described in X.509 clause 11.2.7.

Request and transfer values using the binary option for the attribute description,
`supportedAlgorithms;binary`.

OID	2.5.4.52
Names	supportedAlgorithms
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	SupportedAlgorithm

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.437. supportedApplicationContext

Identifiers of OSI application contexts.

OID	2.5.4.30
Names	supportedApplicationContext
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2256
Schema File	00-core.ldif

1.438. supportedAuthPasswordSchemes

Password storage schemes that can be used for `authPassword` values. This attribute is intended only for use on the root DSE.

OID	1.3.6.1.4.1.4203.1.3.3
Names	supportedAuthPasswordSchemes
Description	supported password storage schemes
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	false: multiple values allowed

User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 3112
Schema File	03-rfc3112.ldif

1.439. supportedControl

This operational attribute indicates LDAP controls supported by this server.

OID	1.3.6.1.4.1.1466.101.120.13
Names	supportedControl
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.440. supportedExtension

This operational attribute indicates LDAP extended operations supported by this server.

OID	1.3.6.1.4.1.1466.101.120.7
Names	supportedExtension
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.441. supportedFeatures

This operational attribute indicates optional LDAP features supported by this server.

OID	1.3.6.1.4.1.4203.1.3.5
Names	supportedFeatures
Equality Matching Rule	objectIdentifierMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	OID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.442. supportedLDAPVersion

This operational attribute indicates LDAP versions supported by this server.

OID	1.3.6.1.4.1.1466.101.120.15
Names	supportedLDAPVersion
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.443. supportedSASLMechanisms

This operational attribute indicates SASL mechanisms supported by this server.

OID	1.3.6.1.4.1.1466.101.120.14
Names	supportedSASLMechanisms
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	RFC 4512
Schema File	00-core.ldif

1.444. supportedTLSCiphers

OID	1.3.6.1.4.1.36733.2.1.1.64
Names	supportedTLSCiphers
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.445. supportedTLSProtocols

OID	1.3.6.1.4.1.36733.2.1.1.63
Names	supportedTLSProtocols
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	dSAOperation
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.446. targetDN

OID	2.16.840.1.113730.3.1.6
Names	targetDN
Description	the DN of the entry which was modified
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

1.447. targetEntryUUID

Uniquely identifies an entry that is targeted to be changed.

OID	1.3.6.1.4.1.26027.1.1.590
Names	targetEntryUUID, targetUniqueID
Description	The OpenDS unique id of the entry targeted by the change
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true

User Modification Allowed	true
Usage	directoryOperation
Origin	OpenDS Directory Server
Schema File	03-changelog.ldif

1.448. telephoneNumber

Phone number in a format complying with the ITU Recommendation E.123, such as `+1 415 555 1212`.

OID	2.5.4.20
Names	telephoneNumber
Equality Matching Rule	telephoneNumberMatch
Substring Matching Rule	telephoneNumberSubstringsMatch
Syntax	TelephoneNumber
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.449. teletexTerminalIdentifier

This attribute is obsolete since the ITU Recommendation F.200 was withdrawn.

OID	2.5.4.22
Names	teletexTerminalIdentifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	TeletexTerminalIdentifier
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519

Schema File	00-core.ldif

1.450. telexNumber

Set of strings specifying the telex number, country code, and answerback code of a telex terminal, such as `12345$023$ABCDE`.

OID	2.5.4.21
Names	telexNumber
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	TelexNumber
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.451. template-major-version-number

Major component of an SLP `template-version` number for a service type template.

OID	1.3.6.1.4.1.6252.2.27.6.1.1
Names	template-major-version-number
Description	The major version number of the service type template
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926

Schema File	03-rfc2926.ldif

1.452. template-minor-version-number

Minor component of an SLP `template-version` number for a service type template.

OID	1.3.6.1.4.1.6252.2.27.6.1.2
Names	template-minor-version-number
Description	The minor version number of the service type template
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926
Schema File	03-rfc2926.ldif

1.453. template-url-syntax

ABNF grammar describing the service type specific part of the service URL for an SLP service type template.

OID	1.3.6.1.4.1.6252.2.27.6.1.3
Names	template-url-syntax
Description	An ABNF grammar describing the service type specific part of the service URL
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	IA5String
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2926

| Schema File | 03-rfc2926.ldif |

1.454. textEncodedORAddress

Text encoding of an X.400 O/R address, as specified in .

This attribute was deprecated in 1991.

OID	0.9.2342.19200300.100.1.2
Names	textEncodedORAddress
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 1274
Schema File	00-core.ldif

1.455. title

Title of a person in their organizational context.

Examples: `Vice President`, `Software Engineer`.

OID	2.5.4.12
Names	title
Superior Type	name
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications

Origin	RFC 4519
Schema File	00-core.ldif

1.456. uddiAccessPoint

The value of this attribute is a qualified pointer to a service entry point.

In UDDIv3, the convention is to precede pointer with the use type, as in `use-type#address`. For UDDIv2 compatibility, the recommended format is `v2-URL-type#v3-use-type#address`.

OID	1.3.6.1.1.10.4.19
Names	uddiAccessPoint
Description	entry point address to call a web service
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.457. uddiAddressLine

The value of this attribute holds addresses in free-form text. The maximum size of the value is 80 characters.

If the address contains a template model key, then the value is prefixed with a key name and key value, as in `#key-name#key-value#address-data`.

OID	1.3.6.1.1.10.4.13
Names	uddiAddressLine
Description	address
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.458. uddiAuthorizedName

The value of this attribute holds the name of the individual who registered the UDDI business entity or template model.

OID	1.3.6.1.1.10.4.2
Names	uddiAuthorizedName
Description	businessEntity publisher name
Equality Matching Rule	distinguishedNameMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DN
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.459. uddiBindingKey

The value of this attribute uniquely identifies a UDDI binding template.

This value should be empty when saving a new UDDI binding template.

OID	1.3.6.1.1.10.4.18
Names	uddiBindingKey
Description	bindingTemplate unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.460. uddiBusinessKey

The value of this attribute uniquely identifies a UDDI business entity.

This attribute is optional for a business service whose parent already has a business key.

OID	1.3.6.1.1.10.4.1
Names	uddiBusinessKey
Description	businessEntity unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.461. uddiCategoryBag

The value of this attribute holds information about categorizing UDDI business entities, business services, and template models.

The value can optionally be prefixed with a template model and key name, as in `#t-model#key-name#key-value`. Only *key-value* is mandatory.

OID	1.3.6.1.1.10.4.15

Names	uddiCategoryBag
Description	categorization information
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.462. uddiDescription

The value of this attribute localized descriptions.

Each value has the form, `xml:lang-value#description`.

OID	1.3.6.1.1.10.4.5
Names	uddiDescription
Description	short description
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.463. uddiDiscoveryURLs

The value of this attribute holds a list of URL to alternate, file-based service discovery mechanisms.

In UDDIv3, the convention is to precede the URL with the use type, as in *use-type#URL*.

OID	1.3.6.1.1.10.4.6
Names	uddiDiscoveryURLs
Description	URL to retrieve a businessEntity instance
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.464. uddiEMail

The value of this attribute holds email addresses for the contact.

Prefix values with use type descriptions if more than one email address is provided, as in *use-type#email-address*.

OID	1.3.6.1.1.10.4.10
Names	uddiEMail
Description	e-mail address for contact
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.465. uddiFromKey

The value of this attribute uniquely references the first business entity for which an assertion is made.

OID	1.3.6.1.1.10.4.25
Names	uddiFromKey
Description	unique businessEntity key reference
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.466. uddiHostingRedirector

The value of this attribute indicates that a binding template entry is a pointer to another binding template entry.

UDDIv3 deprecates this element. Use `uddiAccessPoint` instead.

OID	1.3.6.1.1.10.4.20
Names	uddiHostingRedirector
Description	designates a pointer to another bindingTemplate
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403

Schema File	03-uddiv3.ldif

1.467. uddiIdentifierBag

The value of this attribute holds information about common forms of identification, such as D-U-N-S numbers, and tax identifiers.

The value can optionally be prefixed with a template model and key name, as in `#t-model#key-name#key-value`. Only *key-value* is mandatory.

OID	1.3.6.1.1.10.4.14
Names	uddiIdentifierBag
Description	identification information
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.468. uddiInstanceDescription

The value of this attribute holds one or more localized descriptions indicating the role a template model reference plays in the service description.

Each value has the form, `xml:lang-value#description`.

OID	1.3.6.1.1.10.4.21
Names	uddiInstanceDescription
Description	instance details description
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.469. uddiInstanceParms

The value of this attribute holds the settings, or a URL reference to a file containing the settings, that are required to use a facet of a UDDI binding template description.

OID	1.3.6.1.1.10.4.22
Names	uddiInstanceParms
Description	URL reference to required settings
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.470. uddiIsHidden

The value of this attribute indicates a deleted template model that is not found in result sets when finding template models.

OID	1.3.6.1.1.10.4.28
Names	uddiIsHidden
Description	isHidden attribute
Equality Matching Rule	booleanMatch
Syntax	Boolean

Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.471. uddiIsProjection

The value of this attribute indicates a business service that has a service projection.

OID	1.3.6.1.1.10.4.29
Names	uddiIsProjection
Description	isServiceProjection attribute
Equality Matching Rule	booleanMatch
Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.472. uddiKeyedReference

The value of this attribute holds a name-value pair with an additional reference to a template model.

The value can optionally be prefixed with a template model and key name, as in `#t-model#key-name#key-value`.

OID	1.3.6.1.1.10.4.16
Names	uddiKeyedReference
Description	categorization information
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString

Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.473. uddiLang

The value of this attribute models the `xml:lang` value for a UDDIv3 address structure.

OID	1.3.6.1.1.10.4.30
Names	uddiLang
Description	xml:lang value in v3 Address structure
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.474. uddiName

The value of this attribute holds a human-readable name for a UDDI business entity, business service, or template model.

Each value has the form, `xml:lang-value#name`, where at most one value can omit the `xml:lang-value#` prefix.

OID	1.3.6.1.1.10.4.4
Names	uddiName
Description	human readable name
Equality Matching Rule	caseIgnoreMatch

Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.475. uddiOperator

The value of this attribute holds the certified name of the UDDI registry site operator that manages the master copy of the UDDI business entity or template model.

UDDIv3 uses `uddiv3NodeId` instead.

OID	1.3.6.1.1.10.4.3
Names	uddiOperator
Description	registry site operator of businessEntitys master copy
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.476. uddiOverviewDescription

The value of this attribute holds one or more localized descriptions indicating how to use a UDDI template model.

Each value has the form, *xml:lang-value#description*.

OID	1.3.6.1.1.10.4.23
Names	uddiOverviewDescription
Description	outlines tModel usage
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.477. uddiOverviewURL

The value of this attribute holds a URL to longer overview document describing how a UDDI template model reference is used as a component of an overall web service description.

OID	1.3.6.1.1.10.4.24
Names	uddiOverviewURL
Description	URL reference to overview document
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.478. uddiPersonName

The value of this attribute lists names of people or names of job roles available behind the contact.

Examples: `webmaster`, `administrator`.

In UDDIv3, each value can have the form, *xml:lang-value#name*.

OID	1.3.6.1.1.10.4.8
Names	uddiPersonName
Description	name of person or job role available for contact
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.479. uddiPhone

The value of this attribute holds telephone numbers for the contact.

Prefix values with use type descriptions if more than one phone number is provided, as in *use-type#phone-number*.

OID	1.3.6.1.1.10.4.9
Names	uddiPhone
Description	telephone number for contact
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.480. uddiServiceKey

The value of this attribute uniquely identifies a UDDI business service.

This value should be empty when saving a new UDDI business service structure.

This attribute is optional for a business service whose parent already has a business key.

OID	1.3.6.1.1.10.4.17
Names	uddiServiceKey
Description	businessService unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.481. uddiSortCode

The value of this attribute drives behavior of external display mechanisms that sort addresses.

This is deprecated in UDDIv3.

OID	1.3.6.1.1.10.4.11
Names	uddiSortCode
Description	specifies an external disply mechanism
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications

Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.482. uddiTModelKey

The value of this attribute uniquely identifies a UDDI template model.

When used with a keyed reference, it serves as the key identifying a value set, and implies that the key name-key value pair in a UDDI identify or category bag should be interpreted by the value set referenced by the template model key. When used with an address line element, it implies the key name and key pair in subsequent address line elements should be interpreted by the address structure associated with the referenced template model.

OID	1.3.6.1.1.10.4.12
Names	uddiTModelKey
Description	tModel unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.483. uddiToKey

The value of this attribute uniquely references the second business entity for which an assertion is made.

OID	1.3.6.1.1.10.4.26
Names	uddiToKey
Description	unique businessEntity key reference
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.484. uddiUseType

The value of this attribute holds text describing a type of contact or address.

Examples: `technical contact`, `billing department`.

OID	1.3.6.1.1.10.4.7
Names	uddiUseType
Description	name of convention the referenced document follows
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.485. uddiUUID

The value of this attribute uniquely a UDDI contact, address, or publisher assertion.

OID	1.3.6.1.1.10.4.27
Names	uddiUUID
Description	unique attribute
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch

Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.486. uddiv3BindingKey

The value of this attribute holds a unique, UDDIv3 identifier for a binding template.

OID	1.3.6.1.1.10.4.33
Names	uddiv3BindingKey
Description	UDDIv3 BindingTemplate unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.487. uddiv3BriefResponse

The value of this attribute indicates whether a brief response is associated with a subscription entity. It controls the level of detail returned to a subscription listener.

OID	1.3.6.1.1.10.4.43
Names	uddiv3BriefResponse
Description	UDDIv3 Subscription ExpiresAfter field
Equality Matching Rule	booleanMatch

Syntax	Boolean
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.488. uddiv3BusinessKey

The value of this attribute holds a unique, UDDIv3 identifier for a business entity.

OID	1.3.6.1.1.10.4.31
Names	uddiv3BusinessKey
Description	UDDIv3 businessEntity unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.489. uddiv3DigitalSignature

The value of this attribute holds an XML digital signature for a UDDI entity.

OID	1.3.6.1.1.10.4.35
Names	uddiv3DigitalSignature
Description	UDDIv3 entity digital signature
Equality Matching Rule	caseExactMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch

Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.490. uddiv3EntityCreationTime

The value of this attribute holds the original creation time for a UDDI entity that is deleted in an entity obituary.

It is also used to record the original creation time in the event of a move.

OID	1.3.6.1.1.10.4.45
Names	uddiv3EntityCreationTime
Description	UDDIv3 Entity Creation Time
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.491. uddiv3EntityDeletionTime

The value of this attribute holds the deletion time for a UDDI entity that is deleted in an entity obituary.

OID	1.3.6.1.1.10.4.46
Names	uddiv3EntityDeletionTime
Description	UDDIv3 Entity Deletion Time
Equality Matching Rule	generalizedTimeMatch

Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.492. uddiv3EntityKey

The value of this attribute holds a unique, UDDIv3 identifier for an instance of a UDDI data structure to be logged as an entity obituary.

OID	1.3.6.1.1.10.4.44
Names	uddiv3EntityKey
Description	UDDIv3 Entity unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.493. uddiv3EntityModificationTime

The value of this attribute holds the last modification time for a UDDI entity.

When a child entity is updated, the parent entity timestamp is also updated.

| OID | 1.3.6.1.1.10.4.37 |
| Names | uddiv3EntityModificationTime |

Description	UDDIv3 Last Modified Time for Entity
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.494. uddiv3ExpiresAfter

The value of this attribute specifies the expiry time for a subscription. Its type is `xsd:dateTime`.

OID	1.3.6.1.1.10.4.42
Names	uddiv3ExpiresAfter
Description	UDDIv3 Subscription ExpiresAfter field
Equality Matching Rule	generalizedTimeMatch
Ordering Matching Rule	generalizedTimeOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	GeneralizedTime
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.495. uddiv3MaxEntities

The value of this attribute specifies the maximum number of entities that are returned as part of a subscription notification.

OID	1.3.6.1.1.10.4.41

Names	uddiv3MaxEntities
Description	UDDIv3 Subscription maxEntities field
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.496. uddiv3NodeId

The value of this attribute holds a node identity for a UDDIv3 node.

OID	1.3.6.1.1.10.4.36
Names	uddiv3NodeId
Description	UDDIv3 Node Identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.497. uddiv3NotificationInterval

The value of this attribute holds a notification interval string. The string type is `xsd:duration`.

The interval specifies how often to send asynchronous change notifications to a subscriber.

OID	1.3.6.1.1.10.4.40
Names	uddiv3NotificationInterval
Description	UDDIv3 Notification Interval
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.498. uddiv3ServiceKey

The value of this attribute holds a unique, UDDIv3 identifier for a business service.

OID	1.3.6.1.1.10.4.32
Names	uddiv3ServiceKey
Description	UDDIv3 businessService unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.499. uddiv3SubscriptionFilter

The value of this attribute holds a UDDIv3 subscription filter. The filter criteria limit the scope of a subscription to a subset of registry records.

OID	1.3.6.1.1.10.4.39
Names	uddiv3SubscriptionFilter
Description	UDDIv3 Subscription Filter
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.500. uddiv3SubscriptionKey

The value of this attribute holds a unique, UDDIv3 identifier for a subscription entity.

OID	1.3.6.1.1.10.4.38
Names	uddiv3SubscriptionKey
Description	UDDIv3 Subscription unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.501. uddiv3TModelKey

The value of this attribute holds a unique, UDDIv3 identifier for a template model.

OID	1.3.6.1.1.10.4.34
Names	uddiv3TModelKey
Description	UDDIv3 TModel unique identifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4403
Schema File	03-uddiv3.ldif

1.502. uid

Computer system login names associated with the entry.

Example: `bjensen`, `root`.

OID	0.9.2342.19200300.100.1.1
Names	uid, userid
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.503. uidNumber

OID	1.3.6.1.1.1.1.0

Names	uidNumber
Description	An integer uniquely identifying a user in an administrative domain
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

1.504. unbindRequests

OID	1.3.6.1.4.1.36733.2.1.1.95
Names	unbindRequests
Equality Matching Rule	integerMatch
Ordering Matching Rule	integerOrderingMatch
Substring Matching Rule	caseExactSubstringsMatch
Syntax	Integer
Single Value	true
User Modification Allowed	true
Usage	userApplications
Origin	OpenDJ Directory Server
Schema File	02-config.ldif

1.505. uniqueIdentifier

Unique identifier for a directory object. The semantics of uniqueness are defined locally for the directory, so the values are not necessarily universally unique identifiers, but might be a payroll number for an individual or a department code for an organizational unit.

OID	0.9.2342.19200300.100.1.44

Names	uniqueIdentifier
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.506. uniqueMember

Distinguished names of objects that are part of a group, where the RDN of the object includes a value to distinguish between names that have been reused.

OID	2.5.4.50
Names	uniqueMember
Equality Matching Rule	uniqueMemberMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	NameAndOptionalUID
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.507. userCertificate

X.509 certificate issued to the user, as described in X.509 clause 11.2.1.

Request and transfer values using the binary option for the attribute description, `userCertificate;binary`.

OID	2.5.4.36

Names	userCertificate
Equality Matching Rule	certificateExactMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	Certificate
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4523
Schema File	00-core.ldif

1.508. userClass

Categories to refer to a computer or application user, such as `full-time employee` or `contractor`.

Similar attributes include `organizationalStatus` and `title`.

OID	0.9.2342.19200300.100.1.8
Names	userClass
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4524
Schema File	00-core.ldif

1.509. userPassword

Octet string known only to the user and the system to which the user has access.

Applications should prepare textual strings used as passwords by transcoding them to Unicode, applying SASLprep as described in , and encoding as UTF-8. The client must determine whether a password is a textual string.

Passwords are not encrypted during transport. If the underlying transport is not secure, transmission can result in disclosure of the password to unauthorized parties.

OID	2.5.4.35
Names	userPassword
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	OctetString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.510. userPKCS12

PKCS#12 format personal identity information.

Request and transfer values using the binary option for the attribute description, `userPKCS12;binary`.

OID	2.16.840.1.113730.3.1.216
Names	userPKCS12
Description	PKCS #12 PFX PDU for exchange of personal identity information
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	Binary
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.511. userSMIMECertificate

PKCS#7 SignedData, where the content signed is ignored by consumers of `userSMIMECertificate` values. PKCS#7 is described in .

A value holds the entire certificate chain and a `smimeCapabilities` field as described in . This attribute is preferred over `userCertificate` for S/MIME applications.

Values should have a data `contentType` and omit the `content` field.

Request and transfer values using the binary option for the attribute description, `userSMIMECertificate;binary`.

OID	2.16.840.1.113730.3.1.40
Names	userSMIMECertificate
Description	PKCS#7 SignedData used to support S/MIME
Equality Matching Rule	octetStringMatch
Ordering Matching Rule	octetStringOrderingMatch
Syntax	Binary
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 2798
Schema File	00-core.ldif

1.512. vendorName

Name of the party who implemented this LDAP server.

Access to this attribute may be restricted, so client applications must not expect this attribute to be available.

OID	1.3.6.1.1.4
Names	vendorName
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	false
Usage	dSAOperation
Origin	RFC 3045

Schema File	00-core.ldif

1.513. vendorVersion

Version of this LDAP server implementation, which must be unique between two versions.

Access to this attribute may be restricted, so client applications must not expect this attribute to be available.

OID	1.3.6.1.1.5
Names	vendorVersion
Equality Matching Rule	caseExactIA5Match
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	true
User Modification Allowed	false
Usage	dSAOperation
Origin	RFC 3045
Schema File	00-core.ldif

1.514. winAccountName

OID	1.3.6.1.4.1.42.2.27.5.1.62
Names	winAccountName
Description	Windows user or group Name corresponding to a Unix user or group
Equality Matching Rule	caseIgnoreMatch
Ordering Matching Rule	caseIgnoreOrderingMatch
Substring Matching Rule	caseIgnoreSubstringsMatch
Syntax	DirectoryString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	Solaris Specific

Schema File	05-solaris.ldif

1.515. x121Address

Data network address as defined by ITU Recommendation X.121.

OID	2.5.4.24
Names	x121Address
Equality Matching Rule	numericStringMatch
Ordering Matching Rule	numericStringOrderingMatch
Substring Matching Rule	numericStringSubstringsMatch
Syntax	NumericString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

1.516. x500UniqueIdentifier

Binary string used to distinguish between objects that reuse the same distinguished name.

OID	2.5.4.45
Names	x500UniqueIdentifier
Equality Matching Rule	bitStringMatch
Syntax	BitString
Single Value	false: multiple values allowed
User Modification Allowed	true
Usage	userApplications
Origin	RFC 4519
Schema File	00-core.ldif

Chapter 2
DIT Content Rules

None defined in the default LDAP schema.

Chapter 3
DIT Structure Rules

3.1. uddiAddressStructureRule

Rule ID	3
Names	uddiAddressStructureRule
Name Form	uddiAddressNameForm
Superior Rules	uddiContactStructureRule
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.2. uddiBindingTemplateStructureRule

Rule ID	5
Names	uddiBindingTemplateStructureRule
Name Form	uddiBindingTemplateNameForm
Superior Rules	uddiBusinessServiceStructureRule
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.3. uddiBusinessEntityStructureRule

Rule ID	1
Names	uddiBusinessEntityStructureRule
Name Form	uddiBusinessEntityNameForm
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.4. uddiBusinessServiceStructureRule

Rule ID	4
Names	uddiBusinessServiceStructureRule
Name Form	uddiBusinessServiceNameForm
Superior Rules	uddiBusinessEntityStructureRule
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.5. uddiContactStructureRule

Rule ID	2
Names	uddiContactStructureRule
Name Form	uddiContactNameForm
Superior Rules	uddiBusinessEntityStructureRule
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.6. uddiPublisherAssertionStructureRule

Rule ID	8
Names	uddiPublisherAssertionStructureRule
Name Form	uddiPublisherAssertionNameForm
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.7. uddiTModelInstanceInfoStructureRule

Rule ID	6
Names	uddiTModelInstanceInfoStructureRule
Name Form	uddiTModelInstanceInfoNameForm
Superior Rules	uddiBindingTemplateStructureRule
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.8. uddiTModelStructureRule

Rule ID	7
Names	uddiTModelStructureRule
Name Form	uddiTModelNameForm
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.9. uddiv3EntityObituaryStructureRule

Rule ID	10
Names	uddiv3EntityObituaryStructureRule
Name Form	uddiv3EntityObituaryNameForm
Origin	RFC 4403
Schema File	03-uddiv3.ldif

3.10. uddiv3SubscriptionStructureRule

Rule ID	9
Names	uddiv3SubscriptionStructureRule
Name Form	uddiv3SubscriptionNameForm
Origin	RFC 4403
Schema File	03-uddiv3.ldif

FORGEROCK

Chapter 4
Matching Rule Uses

None defined in the default LDAP schema.

Chapter 5
Matching Rules

5.1. 1.3.6.1.4.1.26027.1.4.8.1.3.6.1.4.1.26027.1.3.6

OID	1.3.6.1.4.1.26027.1.4.8.1.3.6.1.4.1.26027.1.3.6
Description	Collective Conflict Behavior enumeration ordering matching rule
Syntax	CollectiveConflictBehavior
Origin	OpenDJ X-ENUM Syntax

5.2. authPasswordExactMatch

Compares an asserted `authPasswordSyntax` value with an `authPasswordSyntax` attribute's value.

The rule evaluates to TRUE if and only if there is an attribute value with the same `scheme`, `authInfo`, and `authValue` as the asserted value. The rule evaluates to FALSE if no attribute value has the same components. Otherwise, the rule evaluates to Undefined.

OID	1.3.6.1.4.1.4203.1.2.2
Names	authPasswordExactMatch
Description	authentication password exact matching rule
Syntax	AuthenticationPasswordSyntax
Origin	RFC 3112

5.3. authPasswordMatch

Compares an asserted `authPasswordSyntax` value with an `authPasswordSyntax` attribute's value when an `extensibleMatch` filter component is used. Each value is matched according to its scheme.

The rule evaluates to TRUE if and only if there is an attribute value that matches the asserted value. The rule evaluates to FALSE if no attribute value matches. Otherwise, the rule evaluates to Undefined.

OID	1.3.6.1.4.1.4203.1.2.3
Names	authPasswordMatch

Description	authentication password matching rule
Syntax	AuthenticationPasswordSyntax

5.4. bitStringMatch

Compares an assertion of Bit String syntax to a value whose syntax is the ASN.1 BIT STRING type.

If the ASN.1 type does not have a named bit list, the rule evaluates to TRUE if and only if the assertion and value have the same number of bits, and each bit matches. Otherwise, the same rules apply, but trailing zero bits are ignored.

OID	2.5.13.16
Names	bitStringMatch
Syntax	BitString
Origin	RFC 4517

5.5. booleanMatch

Compares an assertion of Boolean syntax to a value whose syntax is the ASN.1 BOOLEAN type.

The rule evaluates to TRUE if and only if the assertion and value are either both TRUE, or both FALSE.

OID	2.5.13.13
Names	booleanMatch
Syntax	Boolean
Origin	RFC 4517

5.6. caseExactIA5Match

Compares an assertion of IA5 String syntax to a value whose syntax is the ASN.1 IA5String type.

The rule evaluates to TRUE if and only if the prepared attribute value string and prepared assertion value string have the same number of characters, and corresponding characters have the same code point. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	1.3.6.1.4.1.1466.109.114.1
Names	caseExactIA5Match
Syntax	IA5String

Origin	RFC 4517

5.7. caseExactIA5SubstringsMatch

Compares an assertion of Substring Assertion syntax to a value whose syntax is the ASN.1 IA5String type, or one of the alternative types.

The rule evaluates to TRUE if and only if:

1. The prepared substrings in the assertion value match disjoint portions of the prepared attribute value string in the order they occur in the attribute value.

2. An initial substring in the assertion value, if present, matches the beginning of the attribute value string.

3. A final substring in the assertion value, if present, matches the end of the attribute value string.

Strings match when their characters correspond at each code point. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	1.3.6.1.4.1.26027.1.4.902
Names	caseExactIA5SubstringsMatch
Syntax	SubstringAssertion
Origin	RFC 4517

5.8. caseExactJsonQueryMatch

OID	1.3.6.1.4.1.36733.2.1.4.2
Names	caseExactJsonQueryMatch
Syntax	JsonQuery
Origin	OpenDJ Directory Server

5.9. caseExactMatch

Compares an assertion of Directory String syntax to a value whose syntax is the ASN.1 DirectoryString type, or one of the alternative types.

The rule evaluates to TRUE if and only if the prepared attribute value string and prepared assertion value string have the same number of characters, and corresponding characters have the same code point. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	2.5.13.5
Names	caseExactMatch
Syntax	DirectoryString
Origin	RFC 4517

5.10. caseExactOrderingMatch

Compares an assertion of Directory String syntax to a value whose syntax is the ASN.1 DirectoryString type, or one of the alternative types.

The rule evaluates to TRUE if and only if the prepared attribute value string is less than prepared assertion value string according to the code point collation order. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	2.5.13.6
Names	caseExactOrderingMatch
Syntax	DirectoryString
Origin	RFC 4517

5.11. caseExactSubstringsMatch

Compares an assertion of Substring Assertion syntax to a value whose syntax is the ASN.1 DirectoryString type, or one of the alternative types.

The rule evaluates to TRUE if and only if:

1. The prepared substrings in the assertion value match disjoint portions of the prepared attribute value string in the order they occur in the attribute value.

2. An initial substring in the assertion value, if present, matches the beginning of the attribute value string.

3. A final substring in the assertion value, if present, matches the end of the attribute value string.

Strings match when their characters correspond at each code point. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	2.5.13.7
Names	caseExactSubstringsMatch
Syntax	SubstringAssertion
Origin	RFC 4517

5.12. caseIgnoreIA5Match

Compares an assertion of IA5 String syntax to a value whose syntax is the ASN.1 IA5String type.

The rule evaluates to TRUE if and only if the prepared attribute value string and prepared assertion value string have the same number of characters, and corresponding characters have the same code point. For the comparison, characters are case folded, and only insignificant white space handling is applied.

OID	1.3.6.1.4.1.1466.109.114.2
Names	caseIgnoreIA5Match
Syntax	IA5String
Origin	RFC 4517

5.13. caseIgnoreIA5SubstringsMatch

Compares an assertion of Substring Assertion syntax to a value whose syntax is the ASN.1 IA5String type, or one of the alternative types.

The rule evaluates to TRUE if and only if:

1. The prepared substrings in the assertion value match disjoint portions of the prepared attribute value string in the order they occur in the attribute value.

2. An initial substring in the assertion value, if present, matches the beginning of the attribute value string.

3. A final substring in the assertion value, if present, matches the end of the attribute value string.

Strings match when their characters correspond at each code point. For the comparison, characters are case folded, and only insignificant white space handling is applied.

OID	1.3.6.1.4.1.1466.109.114.3
Names	caseIgnoreIA5SubstringsMatch
Syntax	SubstringAssertion
Origin	RFC 4517

5.14. caseIgnoreJsonQueryMatch

OID	1.3.6.1.4.1.36733.2.1.4.1

Names	caseIgnoreJsonQueryMatch
Syntax	JsonQuery
Origin	OpenDJ Directory Server

5.15. caseIgnoreListMatch

Compares an assertion that is a sequence of strings to a value whose syntax is an ASN.1 SEQUENCE OF the DirectoryString type.

The rule evaluates to TRUE if and only if the attribute value and the assertion value have the same number of strings, and corresponding strings match according to the `caseIgnoreMatch` matching rule.

OID	2.5.13.11
Names	caseIgnoreListMatch
Syntax	PostalAddress
Origin	RFC 4517

5.16. caseIgnoreListSubstringsMatch

Compares an assertion value of the Substring Assertion syntax to a value whose syntax is an ASN.1 SEQUENCE OF the DirectoryString type.

The rule evaluates to TRUE if and only if the assertion value matches the concatenated strings of the attribute value, where none of the initial, any, or final substrings match if they span more than one of the original attribute value strings. The match is evaluated according to the `caseIgnoreSubstringsMatch` rule.

OID	2.5.13.12
Names	caseIgnoreListSubstringsMatch
Syntax	SubstringAssertion
Origin	RFC 4517

5.17. caseIgnoreMatch

Compares an assertion of Directory String syntax to a value whose syntax is the ASN.1 DirectoryString type, or one of the alternative types.

The rule evaluates to TRUE if and only if the prepared attribute value string and prepared assertion value string have the same number of characters, and corresponding characters have the same code

point. For the comparison, characters are case folded, and only insignificant white space handling is applied.

OID	2.5.13.2
Names	caseIgnoreMatch
Syntax	DirectoryString
Origin	RFC 4517

5.18. caseIgnoreOrderingMatch

Compares an assertion of Directory String syntax to a value whose syntax is the ASN.1 DirectoryString type, or one of the alternative types.

The rule evaluates to TRUE if and only if the prepared attribute value string is less than prepared assertion value string according to the code point collation order. For the comparison, characters are case folded, and only insignificant white space handling is applied.

OID	2.5.13.3
Names	caseIgnoreOrderingMatch
Syntax	DirectoryString
Origin	RFC 4517

5.19. caseIgnoreSubstringsMatch

Compares an assertion of Substring Assertion syntax to a value whose syntax is the ASN.1 DirectoryString type, or one of the alternative types.

The rule evaluates to TRUE if and only if:

1. The prepared substrings in the assertion value match disjoint portions of the prepared attribute value string in the order they occur in the attribute value.

2. An initial substring in the assertion value, if present, matches the beginning of the attribute value string.

3. A final substring in the assertion value, if present, matches the end of the attribute value string.

Strings match when their characters correspond at each code point. For the comparison, characters are case folded, and only insignificant white space handling is applied.

OID	2.5.13.4
Names	caseIgnoreSubstringsMatch

Syntax	SubstringAssertion
Origin	RFC 4517

5.20. certificateExactMatch

Compares a certificate exact assertion value with an attribute value of certificate syntax.

OID	2.5.13.34
Names	certificateExactMatch
Syntax	CertificateExactAssertion
Origin	RFC 4523

5.21. directoryStringFirstComponentMatch

Compares an assertion value of DirectoryString syntax to a value whose syntax is an ASN.1 SEQUENCE with a mandatory first component of the ASN.1 DirectoryString type.

The rule evaluates to TRUE if and only if the assertion value matches the first component of the attribute value according to the `caseIgnoreMatch` matching rule.

OID	2.5.13.31
Names	directoryStringFirstComponentMatch
Syntax	DirectoryString
Origin	RFC 4517

5.22. distinguishedNameMatch

Compares an assertion value of DN syntax to a value whose syntax is an ASN.1 DistinguishedName type.

The rule evaluates to TRUE if and only if the assertion value and the attribute value have the same number of RDNs, and the RDNs in the same position are the same. Two RDNs are the same if and only if they have the same number of attribute value assertions (AVA), and each AVA of the first RDN is the same as the AVA of the second RDN with the same attribute type, according to the equality matching rule for the attribute type. Order of AVAs is not significant. If one or more AVAs evaluate to Undefined, and the remaining AVAs evaluate to TRUE, then the `distinguishedNameMatch` evaluates to Undefined.

OID	2.5.13.1
Names	distinguishedNameMatch

Syntax	DN
Origin	RFC 4517

5.23. ds-mr-double-metaphone-approx

OID	1.3.6.1.4.1.26027.1.4.1
Names	ds-mr-double-metaphone-approx
Description	Double Metaphone Approximate Match
Syntax	DirectoryString
Origin	OpenDS Directory Server

5.24. ds-mr-user-password-equality

OID	1.3.6.1.4.1.26027.1.4.3
Names	ds-mr-user-password-equality
Description	user password matching rule
Syntax	OctetString

5.25. ds-mr-user-password-exact

OID	1.3.6.1.4.1.26027.1.4.2
Names	ds-mr-user-password-exact
Description	user password exact matching rule
Syntax	UserPassword
Origin	OpenDS Directory Server

5.26. generalizedTimeMatch

Compares an assertion value of Generalized Time syntax to a value whose syntax is an ASN.1 GeneralizedTime type.

The rule evaluates to TRUE if and only if the attribute value represents a universal coordinated time that is the same as the assertion value.

OID	2.5.13.27

Names	generalizedTimeMatch
Syntax	GeneralizedTime
Origin	RFC 4517

5.27. generalizedTimeOrderingMatch

Compares an assertion value of Generalized Time syntax to a value whose syntax is an ASN.1 GeneralizedTime type.

The rule evaluates to TRUE if and only if the attribute value represents a universal coordinated time that is earlier than the assertion value.

OID	2.5.13.28
Names	generalizedTimeOrderingMatch
Syntax	GeneralizedTime
Origin	RFC 4517

5.28. historicalCsnOrderingMatch

OID	1.3.6.1.4.1.26027.1.4.4
Names	historicalCsnOrderingMatch
Syntax	OctetString

5.29. historicalCsnRangeMatch

OID	1.3.6.1.4.1.36733.2.1.4.3
Names	historicalCsnRangeMatch
Syntax	DirectoryString

5.30. integerFirstComponentMatch

Compares an assertion value of Integer syntax to a value whose syntax is an ASN.1 SEQUENCE with a mandatory first component of the ASN.1 INTEGER type.

The rule evaluates to TRUE if and only if the assertion value and the first component of the attribute value are the same integer value.

OID	2.5.13.29
Names	integerFirstComponentMatch
Syntax	Integer
Origin	RFC 4517

5.31. integerMatch

Compares an assertion value of Integer syntax to a value whose syntax is the ASN.1 INTEGER type.

The rule evaluates to TRUE if and only if the assertion value and the attribute value are the same integer value.

OID	2.5.13.14
Names	integerMatch
Syntax	Integer
Origin	RFC 4517

5.32. integerOrderingMatch

Compares an assertion value of Integer syntax to a value whose syntax is the ASN.1 INTEGER type.

The rule evaluates to TRUE if and only if the integer value of the assertion is less than the integer value of the attribute.

OID	2.5.13.15
Names	integerOrderingMatch
Syntax	Integer
Origin	RFC 4517

5.33. keywordMatch

Compares an assertion value of Directory String syntax to a value whose syntax is the ASN.1 DirectoryString type.

The rule evaluates to TRUE if and only if the assertion value character string matches a keyword in the attribute value, where keyword matches are implementation defined.

In this implementation, a keyword match occurs if the assertion value is contained within the attribute value, and the assertion value is bounded by the start or the end of the attribute value or any of the following characters:

- A space

- A period

- A comma

- A slash

- A dollar sign

- A plus sign

- A dash

- An underscore

- An octothorpe (#)

- An equal sign

OID	2.5.13.33
Names	keywordMatch
Syntax	DirectoryString
Origin	RFC 4517

5.34. numericStringMatch

Compares an assertion of Numeric String syntax to a value whose syntax is the ASN.1 NumericString type.

The rule evaluates to TRUE if and only if the prepared attribute value string and prepared assertion value string have the same number of characters, and corresponding characters have the same code point. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	2.5.13.8
Names	numericStringMatch
Syntax	NumericString
Origin	RFC 4517

5.35. numericStringOrderingMatch

Compares an assertion of Numeric String syntax to a value whose syntax is the ASN.1 NumericString type.

The rule evaluates to TRUE if and only if the prepared attribute value string is less than prepared assertion value string according to the code point collation order. For the comparison, characters are not case folded, and only insignificant white space handling is applied. All space characters are skipped during rule evaluation.

OID	2.5.13.9
Names	numericStringOrderingMatch
Syntax	NumericString
Origin	RFC 4517

5.36. numericStringSubstringsMatch

Compares an assertion of Numeric String syntax to a value whose syntax is the ASN.1 NumericString type.

The rule evaluates to TRUE if and only if:

1. The prepared substrings in the assertion value match disjoint portions of the prepared attribute value string in the order they occur in the attribute value.

2. An initial substring in the assertion value, if present, matches the beginning of the attribute value string.

3. A final substring in the assertion value, if present, matches the end of the attribute value string.

Strings match when their characters correspond at each code point. For the comparison, characters are not case folded, and only insignificant white space handling is applied.

OID	2.5.13.10
Names	numericStringSubstringsMatch
Syntax	SubstringAssertion
Origin	RFC 4517

5.37. objectIdentifierFirstComponentMatch

Compares an assertion value of OID syntax to a value whose syntax is an ASN.1 SEQUENCE with a mandatory first component of the ASN.1 OBJECT IDENTIFIER type.

The rule evaluates to TRUE if and only if the assertion value matches the first component of the attribute value according to the `objectIdentifierMatch` matching rule.

OID	2.5.13.30

Names	objectIdentifierFirstComponentMatch
Syntax	OID
Origin	RFC 4517

5.38. objectIdentifierMatch

Compares an assertion value of OID syntax to a value whose syntax is the ASN.1 OBJECT IDENTIFIER type.

The rule evaluates to TRUE if and only if the assertion value and the attribute value represent the same object identifier value, that is, the same sequence of integers.

OID	2.5.13.0
Names	objectIdentifierMatch
Syntax	OID
Origin	RFC 4517

5.39. octetStringMatch

Compares an assertion value of Octet String syntax to a value whose syntax is the ASN.1 OCTET STRING type.

The rule evaluates to TRUE if and only if the assertion value and the attribute value are of the same length, and corresponding octets are the same.

OID	2.5.13.17
Names	octetStringMatch
Syntax	OctetString
Origin	RFC 4517

5.40. octetStringOrderingMatch

Compares an assertion value of Octet String syntax to a value whose syntax is the ASN.1 OCTET STRING type.

The rule evaluates to TRUE if and only if the assertion value is less than the attribute value according to the collation order. Octets are compared from the first octet to the last octet, and within octets from the most significant bit to the least significant bit.

OID	2.5.13.18

Names	octetStringOrderingMatch
Syntax	OctetString
Origin	RFC 4517

5.41. octetStringSubstringsMatch

OID	2.5.13.19
Names	octetStringSubstringsMatch
Syntax	OctetString
Origin	X.500

5.42. partialDateAndTimeMatchingRule

OID	1.3.6.1.4.1.26027.1.4.7
Names	partialDateAndTimeMatchingRule
Description	partial date and time matching
Syntax	GeneralizedTime
Origin	OpenDS Directory Server

5.43. presentationAddressMatch

This rule behaves exactly like the `caseIgnoreMatch` rule.

OID	2.5.13.22
Names	presentationAddressMatch
Syntax	PresentationAddress
Origin	RFC 2252

5.44. protocolInformationMatch

This rule behaves exactly like the `caseIgnoreMatch` rule.

OID	2.5.13.24
Names	protocolInformationMatch
Syntax	ProtocolInformation

| Origin | RFC 2252 |

5.45. relativeTimeGTOrderingMatch

OID	1.3.6.1.4.1.26027.1.4.5
Names	relativeTimeGTOrderingMatch, relativeTimeOrderingMatch.gt
Description	greater-than relative time for time-based searches
Syntax	GeneralizedTime
Origin	OpenDS Directory Server

5.46. relativeTimeLTOrderingMatch

OID	1.3.6.1.4.1.26027.1.4.6
Names	relativeTimeLTOrderingMatch, relativeTimeOrderingMatch.lt
Description	less-than relative time for time-based searches
Syntax	GeneralizedTime
Origin	OpenDS Directory Server

5.47. telephoneNumberMatch

Compares an assertion value of Telephone Number syntax to a value whose syntax is an ASN.1 PrintableString representing a telephone number.

The rule evaluates to TRUE if and only if the assertion value and the attribute value are of the same length, and corresponding octets are the same. For the comparison, characters are case folded, and only telephoneNumber insignificant white space handling is applied.

OID	2.5.13.20
Names	telephoneNumberMatch
Syntax	TelephoneNumber
Origin	RFC 4517

5.48. telephoneNumberSubstringsMatch

Compares an assertion of Substring Assertion syntax to a value whose syntax is an ASN.1 PrintableString representing a telephone number.

The rule evaluates to TRUE if and only if:

1. The prepared substrings in the assertion value match disjoint portions of the prepared attribute value string in the order they occur in the attribute value.

2. An initial substring in the assertion value, if present, matches the beginning of the attribute value string.

3. A final substring in the assertion value, if present, matches the end of the attribute value string.

Strings match when their characters correspond at each code point. For the comparison, characters are case folded, and only telephoneNumber insignificant white space handling is applied.

OID	2.5.13.21
Names	telephoneNumberSubstringsMatch
Syntax	SubstringAssertion
Origin	RFC 4517

5.49. uniqueMemberMatch

Compares an assertion value of Name And Optional UID syntax to a value whose syntax is an ASN.1 NameAndOptionalUID type.

The rule evaluates to TRUE if and only if The distinguished name components of the assertion value and the attribute value match according to the `distinguishedNameMatch` rule, and either of the following are true:

• The bit string component is absent from both values.

• The bit string components are present in both values, and they match according to the `bitStringMatch` rule.

OID	2.5.13.23
Names	uniqueMemberMatch
Syntax	NameAndOptionalUID
Origin	RFC 4517

5.50. uuidMatch

Compares an asserted UUID with a stored UUID for equality.

This rule uses the same semantics as `octetStringMatch`, except the assertion value is encoded using the UUID string representation, rather than the normal OCTET STRING string representation.

OID	1.3.6.1.1.16.2
Names	uuidMatch
Syntax	UUID
Origin	RFC 4530

5.51. uuidOrderingMatch

Compares an asserted UUID with a stored UUID for ordering.

This rule uses the same semantics as `octetStringOrderingMatch`, except the assertion value is encoded using the UUID string representation, rather than the normal OCTET STRING string representation.

UUIDs do not necessarily have a natural ordering. Servers are not required to assign UUIDs in any particular order.

OID	1.3.6.1.1.16.3
Names	uuidOrderingMatch
Syntax	UUID
Origin	RFC 4530

5.52. wordMatch

Compares an assertion value of Directory String syntax to a value whose syntax is the ASN.1 DirectoryString type.

The rule evaluates to TRUE if and only if the assertion value character string matches a word in the attribute value, according to the semantics of the `caseIgnoreMatch` rule.

In this implementation, a word match occurs if the assertion value is contained within the attribute value, and the assertion value is bounded by the start or the end of the attribute value or any of the following characters:

- A space

- A period

- A comma

- A slash

- A dollar sign

- A plus sign

- A dash

- An underscore

- An octothorpe (#)

- An equal sign

OID	2.5.13.32
Names	wordMatch
Syntax	DirectoryString
Origin	RFC 4517

FORGEROCK

Chapter 6
Name Forms

6.1. uddiAddressNameForm

This name form defines the naming attribute for an address.

OID	1.3.6.1.1.10.15.3
Names	uddiAddressNameForm
Structural Object Class	uddiAddress
Required Attributes	uddiUUID
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.2. uddiBindingTemplateNameForm

This name form defines the naming attribute for a binding template.

OID	1.3.6.1.1.10.15.5
Names	uddiBindingTemplateNameForm
Structural Object Class	uddiBindingTemplate
Required Attributes	uddiBindingKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.3. uddiBusinessEntityNameForm

This name form defines the naming attribute for a business entity.

OID	1.3.6.1.1.10.15.1
Names	uddiBusinessEntityNameForm
Structural Object Class	uddiBusinessEntity
Required Attributes	uddiBusinessKey

Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.4. uddiBusinessServiceNameForm

This name form defines the naming attribute for a business service.

OID	1.3.6.1.1.10.15.4
Names	uddiBusinessServiceNameForm
Structural Object Class	uddiBusinessService
Required Attributes	uddiServiceKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.5. uddiContactNameForm

This name form defines the naming attribute for a contact.

OID	1.3.6.1.1.10.15.2
Names	uddiContactNameForm
Structural Object Class	uddiContact
Required Attributes	uddiUUID
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.6. uddiPublisherAssertionNameForm

This name form defines the naming attribute for a publisher assertion.

OID	1.3.6.1.1.10.15.8
Names	uddiPublisherAssertionNameForm
Structural Object Class	uddiPublisherAssertion
Required Attributes	uddiUUID
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.7. uddiTModelInstanceInfoNameForm

This name form defines the naming attribute for a template model instance information object.

OID	1.3.6.1.1.10.15.6
Names	uddiTModelInstanceInfoNameForm
Structural Object Class	uddiTModelInstanceInfo
Required Attributes	uddiTModelKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.8. uddiTModelNameForm

This name form defines the naming attribute for a name form.

OID	1.3.6.1.1.10.15.7
Names	uddiTModelNameForm
Structural Object Class	uddiTModel
Required Attributes	uddiTModelKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.9. uddiv3EntityObituaryNameForm

This name form defines the naming attribute for an entry obituary.

OID	1.3.6.1.1.10.15.10
Names	uddiv3EntityObituaryNameForm
Structural Object Class	uddiv3EntityObituary
Required Attributes	uddiUUID
Origin	RFC 4403
Schema File	03-uddiv3.ldif

6.10. uddiv3SubscriptionNameForm

This name form defines the naming attribute for a subscription.

OID	1.3.6.1.1.10.15.9
Names	uddiv3SubscriptionNameForm
Structural Object Class	uddiv3Subscription
Required Attributes	uddiUUID
Origin	RFC 4403
Schema File	03-uddiv3.ldif

Chapter 7
Object Classes

7.1. account

Entries of this object class represent computer accounts.

Use `uid` as the naming attribute.

OID	0.9.2342.19200300.100.4.5
Names	account
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uid
Optional Attributes	description, host, l, o, ou, seeAlso
Origin	RFC 4524
Schema File	00-core.ldif

7.2. alias

Entry pointing to another entry, using an `aliasedObjectName` attribute value.

An alias name is an alternative name for an entry. Alias objects are leaf entries (no subordinates).

ForgeRock servers do not support alias dereferencing.

OID	2.5.6.1
Names	alias
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	aliasedObjectName, objectClass
Origin	RFC 4512
Schema File	00-core.ldif

7.3. applicationEntity

Represents an OSI application.

OID	2.5.6.12
Names	applicationEntity
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, presentationAddress
Optional Attributes	description, l, o, ou, seeAlso, supportedApplicationContext
Origin	RFC 2256
Schema File	00-core.ldif

7.4. applicationProcess

Represents an application executing in a computer system.

OID	2.5.6.11
Names	applicationProcess
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	description, l, ou, seeAlso
Origin	RFC 4519
Schema File	00-core.ldif

7.5. authPasswordObject

Entries of this class optionally contain `authPassword` attributes.

OID	1.3.6.1.4.1.4203.1.4.7
Names	authPasswordObject
Description	authentication password mix in class
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.

Optional Attributes	authPassword
Origin	RFC 3112
Schema File	03-rfc3112.ldif

7.6. automount

OID	1.3.6.1.1.1.2.17
Names	automount
Description	Automount information
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	automountInformation, automountKey, objectClass
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.7. automountMap

OID	1.3.6.1.1.1.2.16
Names	automountMap
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	automountMapName, objectClass
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.8. bootableDevice

OID	1.3.6.1.1.1.2.12
Names	bootableDevice
Description	A device with boot parameters; device SHOULD be used as a structural class

Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	bootFile, bootParameter
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.9. calEntry

Entry specifying locations for a calendaring and scheduling client to access a user's calendar and send event requests to the user.

OID	1.2.840.113556.1.5.87
Names	calEntry
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	calCAPURI, calCalAdrURI, calCalURI, calFBURL, calOtherCAPURIs, calOtherCalAdrURIs, calOtherCalURIs, calOtherFBURLs
Origin	RFC 2739
Schema File	03-rfc2739.ldif

7.10. certificationAuthority-V2

Object class for augmenting entries that act as certificate authorities, as described in X.521 clause 6.18.

This object class is deprecated. Use `pkiCA` instead.

OID	2.5.6.16.2
Names	certificationAuthority-V2
Superior Classes	certificationAuthority
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	authorityRevocationList, cACertificate, certificateRevocationList, objectClass

Optional Attributes	crossCertificatePair, deltaRevocationList
Origin	RFC 4523
Schema File	00-core.ldif

7.11. certificationAuthority

Object class for augmenting entries that act as certificate authorities, as described in X.521 clause 6.17.

This object class is deprecated. Use `pkiCA` instead.

OID	2.5.6.16
Names	certificationAuthority
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	authorityRevocationList, cACertificate, certificateRevocationList, objectClass
Optional Attributes	crossCertificatePair
Origin	RFC 4523
Schema File	00-core.ldif

7.12. changeLogEntry

Entries of this object class represent changes made to a directory server. The set of changes made to a directory server is given by the set of all entries in the changelog, ordered by `changeNumber`.

Note The `changeNumber` is unique to a server, and not necessarily shared or synchronized across servers. The change numbers for ForgeRock servers can be synchronized using the `dsreplication reset-change-number` command. ForgeRock servers also provide an alternative `changeLogCookie` attribute, which can be used reliably across a replicated topology.

A client application may synchronize its local copy of directory data by reading the server's changelog for entries where the `changeNumber` is greater than or equal to the last change that the client read from the server. A server can, however, trim its changelog. If the last change read from the changelog is not returned in search results, the client application must fall back to rebuilding its entire copy of directory data.

OID	2.16.840.1.113730.3.2.1
Names	changeLogEntry
Superior Classes	top

Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	changeNumber, changeTime, changeType, objectClass, targetDN
Optional Attributes	changes, deleteOldRDN, newRDN, newSuperior
Origin	draft-good-ldap-changelog
Schema File	03-changelog.ldif

7.13. collectiveAttributeSubentry

Subentry for allocating collective attributes, which are attributes that apply to a group of entries.

OID	2.5.17.2
Names	collectiveAttributeSubentry
Description	LDAP Collective Attributes Subentry class
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Origin	RFC 3671
Schema File	00-core.ldif

7.14. container

Microsoft Active Directory object class for an entry used to contain other classes.

OID	1.2.840.113556.1.3.23
Names	container
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Origin	Microsoft Active Directory
Schema File	03-changelog.ldif

7.15. corbaContainer

Entry that contains a CORBA object.

OID	1.3.6.1.4.1.42.2.27.4.2.10

Names	corbaContainer
Description	Container for a CORBA object
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Origin	RFC 2714
Schema File	03-rfc2714.ldif

7.16. corbaObject

Abstract parent for entries that represent CORBA objects.

OID	1.3.6.1.4.1.42.2.27.4.2.9
Names	corbaObject
Description	CORBA object representation
Superior Classes	top
Class Type	ABSTRACT: for use when defining other object classes.
Required Attributes	objectClass
Optional Attributes	corbaRepositoryId, description
Origin	RFC 2714
Schema File	03-rfc2714.ldif

7.17. corbaObjectReference

Entry that represents a reference to a CORBA object.

OID	1.3.6.1.4.1.42.2.27.4.2.11
Names	corbaObjectReference
Description	CORBA interoperable object reference
Superior Classes	corbaObject
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	corbaIor, objectClass
Optional Attributes	corbaRepositoryId, description
Origin	RFC 2714

Schema File	03-rfc2714.ldif

7.18. country

Represents a country.

OID	2.5.6.2
Names	country
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	c, objectClass
Optional Attributes	description, searchGuide
Origin	RFC 4519
Schema File	00-core.ldif

7.19. cRLDistributionPoint

Object class for augmenting entries that act as certificate revocation list distribution points, as described in X.509 clause 11.1.3.

OID	2.5.6.19
Names	cRLDistributionPoint
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	authorityRevocationList, certificateRevocationList, deltaRevocationList
Origin	RFC 4523
Schema File	00-core.ldif

7.20. dcObject

Permits an entry to hold domain component information.

OID	1.3.6.1.4.1.1466.344

Names	dcObject
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	dc, objectClass
Origin	RFC 4519
Schema File	00-core.ldif

7.21. deltaCRL

Object class for augmenting entries that hold delta revocation lists, as described in X.509 clause 11.1.4.

OID	2.5.6.23
Names	deltaCRL
Description	X.509 delta CRL
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	deltaRevocationList
Origin	RFC 4523
Schema File	00-core.ldif

7.22. device

Represents an appliance, computer, or network element.

OID	2.5.6.14
Names	device
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	description, l, o, ou, owner, seeAlso, serialNumber
Origin	RFC 4519

Schema File	00-core.ldif

7.23. dmd

Represents a Directory Management Domain, which is the administrative authority for this directory server.

OID	2.5.6.20
Names	dmd
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	dmdName, objectClass
Optional Attributes	businessCategory, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, searchGuide, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 2256
Schema File	00-core.ldif

7.24. dNSDomain

Entries of this object class represent DNS domains.

OID	0.9.2342.19200300.100.4.15
Names	dNSDomain
Superior Classes	domain
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	dc, objectClass
Optional Attributes	aRecord, associatedName, businessCategory, cNAMERecord, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, mDRecord, mxRecord, nSRecord, o, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, sOARecord, searchGuide, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 1274
Schema File	00-core.ldif

7.25. document

Entries of this object class represent documents.

OID	0.9.2342.19200300.100.4.6
Names	document
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	documentIdentifier, objectClass
Optional Attributes	cn, description, documentAuthor, documentLocation, documentPublisher, documentTitle, documentVersion, l, o, ou, seeAlso
Origin	RFC 4524
Schema File	00-core.ldif

7.26. documentSeries

Entries of this object class represent a series of documents.

OID	0.9.2342.19200300.100.4.9
Names	documentSeries
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	description, l, o, ou, seeAlso, telephoneNumber
Origin	RFC 4524
Schema File	00-core.ldif

7.27. domain

Entries of this object class represent DNS domains for entries that do not represent organizations or organizational units. For organizations or organizational units, see `domainRelatedObject`.

Use `dc` as the naming attribute.

OID	0.9.2342.19200300.100.4.13
Names	domain

Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	dc, objectClass
Optional Attributes	associatedName, businessCategory, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, o, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, searchGuide, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 4524
Schema File	00-core.ldif

7.28. domainRelatedObject

Entries of this object class represent DNS domains that are equivalent to an X.500 domain, in other words an organization or organizational unit.

OID	0.9.2342.19200300.100.4.17
Names	domainRelatedObject
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	associatedDomain, objectClass
Origin	RFC 4524
Schema File	00-core.ldif

7.29. ds-certificate-user

Object class for a user or application entry with a digital certificate.

OID	1.3.6.1.4.1.26027.1.2.82
Names	ds-certificate-user
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	ds-certificate-fingerprint, ds-certificate-subject-dn, userCertificate

Origin	OpenDS Directory Server
Schema File	02-config.ldif

7.30. ds-root-dse

Object class for the server root DSE entry.

OID	1.3.6.1.4.1.26027.1.2.53
Names	ds-root-dse
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass
Origin	OpenDS Directory Server
Schema File	02-config.ldif

7.31. ds-virtual-static-group

Object class for an entry allowing a dynamic group to appear as a static group to applications.

OID	1.3.6.1.4.1.26027.1.2.98
Names	ds-virtual-static-group
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	ds-target-group-dn, objectClass
Origin	OpenDS Directory Server
Schema File	02-config.ldif

7.32. dSA

Represents a Directory Specific Agent, the part of a directory service that provides user agents access to directory data.

OID	2.5.6.13
Names	dSA

Superior Classes	applicationEntity
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, presentationAddress
Optional Attributes	description, knowledgeInformation, l, o, ou, seeAlso, supportedApplicationContext
Origin	RFC 2256
Schema File	00-core.ldif

7.33. DUAConfigProfile

OID	1.3.6.1.4.1.11.1.3.1.2.5
Names	DUAConfigProfile
Description	Abstraction of a base configuration for a DUA
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	attributeMap, authenticationMethod, bindTimeLimit, credentialLevel, defaultSearchBase, defaultSearchScope, defaultServerList, dereferenceAliases, followReferrals, objectclassMap, preferredServerList, profileTTL, searchTimeLimit, serviceAuthenticationMethod, serviceCredentialLevel, serviceSearchDescriptor
Origin	RFC 4876
Schema File	05-rfc4876.ldif

7.34. extensibleObject

Auxiliary object class that allows the entry to hold any user attribute.

Attributes required or precluded by other object classes are still required or precluded when this object class is present.

OID	1.3.6.1.4.1.1466.101.120.111
Names	extensibleObject
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass

Optional Attributes	All attributes
Origin	RFC 4512
Schema File	00-core.ldif

7.35. friendlyCountry

Entries of this object class represent countries. This object class allows friendlier naming than allowed by the `country` object class.

OID	0.9.2342.19200300.100.4.18
Names	friendlyCountry
Superior Classes	country
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	c, co, objectClass
Optional Attributes	description, searchGuide
Origin	RFC 4524
Schema File	00-core.ldif

7.36. glue

DSEE object class for an entry restored due to a replication conflict.

OID	2.16.840.1.113730.3.2.30
Names	glue
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass
Origin	Sun Directory Server
Schema File	06-compat.ldif

7.37. groupOfEntries

This object class is like the standard `groupOfNames` object class, except that the `member` attribute is optional, making it possible to have an empty group.

Note The default schema defines `groupOfNames` as if it were `groupOfEntries`, making it possible to have an empty group. This is a deviation from the standard definition.

OID	1.2.826.0.1.3458854.2.1.1
Names	groupOfEntries
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	businessCategory, description, member, o, ou, owner, seeAlso
Origin	draft-findlay-ldap-groupofentries
Schema File	00-core.ldif

7.38. groupOfNames

Note The default schema defines `groupOfNames` as if it were `groupOfEntries`, making it possible to have an empty group. This is a deviation from the standard definition, as proposed in the *LDAP groupOfEntries* Internet-Draft.

OID	2.5.6.9
Names	groupOfNames
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	businessCategory, description, member, o, ou, owner, seeAlso
Origin	RFC 4519
Schema File	00-core.ldif

7.39. groupOfUniqueNames

Represents a set of named objects, like `groupOfNames`, including information relating to the purpose or maintenance of the set. Object names are not repeated or reassigned within the set.

OID	2.5.6.17
Names	groupOfUniqueNames

Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	businessCategory, description, o, ou, owner, seeAlso, uniqueMember
Origin	RFC 4519
Schema File	00-core.ldif

7.40. groupOfURLs

Object class for a dynamic group.

OID	2.16.840.1.113730.3.2.33
Names	groupOfURLs
Description	Sun-defined objectclass
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	businessCategory, description, memberURL, o, ou, owner, seeAlso
Origin	Sun Java System Directory Server
Schema File	00-core.ldif

7.41. ieee802Device

OID	1.3.6.1.1.1.2.11
Names	ieee802Device
Description	A device with a MAC address; device SHOULD be used as a structural class
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	macAddress
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.42. inetOrgPerson

A person object class for Internet and Intranet directory service deployments.

specifies this object class in detail.

Example:

```
dn: uid=bjensen,ou=People,dc=example,dc=com
objectClass: top
objectClass: person
objectClass: organizationalPerson
objectClass: inetOrgPerson
uid: bjensen
ou: Product Development
ou: People
cn: Barbara Jensen
cn: Babs Jensen
givenname: Barbara
sn: Jensen
mail: bjensen@example.com
facsimiletelephonenumber: +1 408 555 1992
telephonenumber: +1 408 555 1862
preferredLanguage: en, ko;q=0.8
l: San Francisco
manager: uid=trigden, ou=People, dc=example,dc=com
roomnumber: 0209
userpassword: {SSHA512}PYiRbMHUSTvGQBnmebb6HOltQY/ghgoU3TDSu1QhYoMomreK4ole0jAaDlVa+2qQlzBoCBN/
T0TRfzmGi2wiIBVshZfIW4RD
description: Babs Jensen's entry
```

OID	2.16.840.1.113730.3.2.2
Names	inetOrgPerson
Superior Classes	organizationalPerson
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, sn
Optional Attributes	audio, businessCategory, carLicense, departmentNumber, description, destinationIndicator, displayName, employeeNumber, employeeType, facsimileTelephoneNumber, givenName, homePhone, homePostalAddress, initials, internationaliSDNNumber, jpegPhoto, l, labeledURI, mail, manager, mobile, o, ou, pager, photo, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, preferredLanguage, registeredAddress, roomNumber, secretary, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, title, uid, userCertificate, userPKCS12, userPassword, userSMIMECertificate, x121Address, x500UniqueIdentifier
Origin	RFC 2798
Schema File	00-core.ldif

7.43. inheritableLDAPSubEntry

OID	1.3.6.1.4.1.7628.5.6.1.1
Names	inheritableLDAPSubEntry
Description	Inheritable LDAP Subentry class, version 1
Superior Classes	ldapSubEntry
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	inheritable, objectClass
Optional Attributes	blockInheritance, cn
Origin	draft-ietf-ldup-subentry
Schema File	00-core.ldif

7.44. inheritedCollectiveAttributeSubentry

Object class for specifying how collective attributes are inherited.

OID	1.3.6.1.4.1.26027.1.2.238
Names	inheritedCollectiveAttributeSubentry
Description	Inherited Collective Attributes Subentry class
Superior Classes	subentry
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, inheritAttribute, objectClass, subtreeSpecification
Optional Attributes	collectiveConflictBehavior
Origin	OpenDS Directory Server
Schema File	00-core.ldif

7.45. inheritedFromDNCollectiveAttributeSubentry

Object class for specifying an entry from which a collective attribute is inherited.

OID	1.3.6.1.4.1.26027.1.2.239
Names	inheritedFromDNCollectiveAttributeSubentry
Description	Inherited from DN Collective Attributes Subentry class

Superior Classes	inheritedCollectiveAttributeSubentry
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, inheritAttribute, inheritFromDNAttribute, objectClass, subtreeSpecification
Optional Attributes	collectiveConflictBehavior
Origin	OpenDS Directory Server
Schema File	00-core.ldif

7.46. inheritedFromRDNCollectiveAttributeSubentry

Object class for specifying a relative entry from which a collective attribute is inherited.

OID	1.3.6.1.4.1.26027.1.2.240
Names	inheritedFromRDNCollectiveAttributeSubentry
Description	Inherited from RDN Collective Attributes Subentry class
Superior Classes	inheritedCollectiveAttributeSubentry
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, inheritAttribute, inheritFromBaseRDN, inheritFromRDNAttribute, inheritFromRDNType, objectClass, subtreeSpecification
Optional Attributes	collectiveConflictBehavior
Origin	OpenDS Directory Server
Schema File	00-core.ldif

7.47. ipHost

OID	1.3.6.1.1.1.2.6
Names	ipHost
Description	Abstraction of a host, an IP device. The distinguished value of the cn attribute denotes the canonical name of the host. Device SHOULD be used as a structural class
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	cn, ipHostNumber, objectClass
Optional Attributes	authPassword, description, l, manager, userPassword

Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.48. ipNetwork

OID	1.3.6.1.1.1.2.7
Names	ipNetwork
Description	Abstraction of a network. The distinguished value of the cn attribute denotes the canonical name of the network
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	ipNetworkNumber, objectClass
Optional Attributes	cn, description, ipNetmaskNumber, l, manager
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.49. ipProtocol

OID	1.3.6.1.1.1.2.4
Names	ipProtocol
Description	Abstraction of an IP protocol. Maps a protocol number to one or more names. The distinguished value of the cn attribute denotes the canonical name of the protocol
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, ipProtocolNumber, objectClass
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.50. ipService

OID	1.3.6.1.1.1.2.3

Names	ipService
Description	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 canonical name of the service
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, ipServicePort, ipServiceProtocol, objectClass
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.51. ipTnetHost

OID	1.3.6.1.4.1.42.2.27.5.2.9
Names	ipTnetHost
Description	Associates an IP address or wildcard with a TSOL template_name
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	ipTnetNumber, objectClass
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.52. ipTnetTemplate

OID	1.3.6.1.4.1.42.2.27.5.2.8
Names	ipTnetTemplate
Description	Object class for TSOL network templates
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	ipTnetTemplateName, objectClass
Optional Attributes	SolarisAttrKeyValue
Origin	Solaris Specific

Schema File	05-solaris.ldif

7.53. javaContainer

Entry that contains a Java object. The entry's form is specified by an auxiliary object class.

OID	1.3.6.1.4.1.42.2.27.4.2.1
Names	javaContainer
Description	Container for a Java object
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Origin	RFC 2713
Schema File	03-rfc2713.ldif

7.54. javaMarshalledObject

Entry that represents a marshalled Java object.

OID	1.3.6.1.4.1.42.2.27.4.2.8
Names	javaMarshalledObject
Description	Java marshalled object
Superior Classes	javaObject
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	javaClassName, javaSerializedData, objectClass
Optional Attributes	description, javaClassNames, javaCodebase, javaDoc
Origin	RFC 2713
Schema File	03-rfc2713.ldif

7.55. javaNamingReference

Entry that represents a JNDI reference to a Java object.

OID	1.3.6.1.4.1.42.2.27.4.2.7

Names	javaNamingReference
Description	JNDI reference
Superior Classes	javaObject
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	javaClassName, objectClass
Optional Attributes	description, javaClassNames, javaCodebase, javaDoc, javaFactory, javaReferenceAddress
Origin	RFC 2713
Schema File	03-rfc2713.ldif

7.56. javaObject

Abstract parent for entries that represent Java objects.

OID	1.3.6.1.4.1.42.2.27.4.2.4
Names	javaObject
Description	Java object representation
Superior Classes	top
Class Type	ABSTRACT: for use when defining other object classes.
Required Attributes	javaClassName, objectClass
Optional Attributes	description, javaClassNames, javaCodebase, javaDoc
Origin	RFC 2713
Schema File	03-rfc2713.ldif

7.57. javaSerializedObject

Entry that represents a serialized Java object.

OID	1.3.6.1.4.1.42.2.27.4.2.5
Names	javaSerializedObject
Description	Java serialized object
Superior Classes	javaObject
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	javaClassName, javaSerializedData, objectClass

Optional Attributes	description, javaClassNames, javaCodebase, javaDoc
Origin	RFC 2713
Schema File	03-rfc2713.ldif

7.58. labeledURIObject

Class allowing a `labeledURI` attribute, which holds a URI with an optional label, as described in .

OID	1.3.6.1.4.1.250.3.15
Names	labeledURIObject
Description	object that contains the URI attribute type
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	labeledURI
Origin	RFC 2079
Schema File	00-core.ldif

7.59. ldapSubEntry

LDAP subentries are analogous to operational attributes in that they are used by the server for administrative purposes. Examples include password policies, entries for allocating collective attributes, and the entry exposing directory schema.

Unlike entries in the server-specific configuration backend, Subentries are present in and replicated with user data. Modifying subentries nevertheless requires the `subentry-write` administrative privilege.

For details, see the Internet-Draft, .

OID	2.16.840.1.113719.2.142.6.1.1
Names	ldapSubEntry
Description	LDAP Subentry class, version 1
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass

Optional Attributes	cn
Origin	draft-ietf-ldup-subentry
Schema File	00-core.ldif

7.60. locality

The entry with this object class represents a place in the physical world.

OID	2.5.6.3
Names	locality
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass
Optional Attributes	description, l, searchGuide, seeAlso, st, street
Origin	RFC 4519
Schema File	00-core.ldif

7.61. mailGroup

OID	2.16.840.1.113730.3.2.4
Names	mailGroup
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	mail, objectClass
Optional Attributes	cn, mgrpRFC822MailMember
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.62. namedObject

The `namedObject` structural object class is a placeholder. It is intended for use in entries that have auxiliary object classes, and for which there is no appropriate structural object class.

The Internet-Draft shows the example of a POSIX group entry:

```
dn: cn=wheel,ou=Groups,dc=padl,dc=com
objectClass: top
objectClass: namedObject
objectClass: posixGroup
cn: wheel
gidNumber: 0
memberUid: root
```

OID	1.3.6.1.4.1.5322.13.1.1
Names	namedObject
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass
Optional Attributes	cn
Origin	draft-howard-namedobject
Schema File	00-core.ldif

7.63. nisDomainObject

OID	1.3.6.1.1.1.2.15
Names	nisDomainObject
Description	Associates a NIS domain with a naming context
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	nisDomain, objectClass
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.64. nisKeyObject

OID	1.3.6.1.1.1.2.14
Names	nisKeyObject
Description	An object with a public and secret key
Superior Classes	top

Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	cn, nisPublicKey, nisSecretKey, objectClass
Optional Attributes	description, uidNumber
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.65. nisMailAlias

OID	1.3.6.1.4.1.42.2.27.1.2.5
Names	nisMailAlias
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	rfc822mailMember
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.66. nisMap

OID	1.3.6.1.1.1.2.9
Names	nisMap
Description	A generic abstraction of a NIS map
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	nisMapName, objectClass
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.67. nisNetgroup

OID	1.3.6.1.1.1.2.8

Names	nisNetgroup
Description	Abstraction of a netgroup. May refer to other netgroups
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	description, memberNisNetgroup, nisNetgroupTriple
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.68. nisNetId

OID	1.3.6.1.4.1.42.2.27.1.2.6
Names	nisNetId
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	nisNetIdGroup, nisNetIdHost, nisNetIdUser
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.69. nisObject

OID	1.3.6.1.1.1.2.10
Names	nisObject
Description	An entry in a NIS map
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, nisMapEntry, nisMapName, objectClass
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.70. nisplusTimeZoneData

OID	1.3.6.1.4.1.42.2.27.5.2.12
Names	nisplusTimeZoneData
Description	NIS+ timezone table data
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	description, nisplusTimeZone
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.71. oncRpc

OID	1.3.6.1.1.1.2.5
Names	oncRpc
Description	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 canonical name of the RPC service
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, oncRpcNumber
Optional Attributes	description
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.72. organization

The entry with this object class represents a structured group of people.

OID	2.5.6.4
Names	organization
Superior Classes	top

FORGEROCK®

Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	o, objectClass
Optional Attributes	businessCategory, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, searchGuide, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 4519
Schema File	00-core.ldif

7.73. organizationalPerson

The entry with this object class represents a person in relation to an organization.

OID	2.5.6.7
Names	organizationalPerson
Superior Classes	person
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, sn
Optional Attributes	description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, ou, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, title, userPassword, x121Address
Origin	RFC 4519
Schema File	00-core.ldif

7.74. organizationalRole

The entry with this object class represents a job, function, or position in an organization.

OID	2.5.6.8
Names	organizationalRole
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass

Optional Attributes	description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, ou, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, roleOccupant, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, x121Address
Origin	RFC 4519
Schema File	00-core.ldif

7.75. organizationalUnit

The entry with this object class represents a piece of an organization.

OID	2.5.6.5
Names	organizationalUnit
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, ou
Optional Attributes	businessCategory, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, searchGuide, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 4519
Schema File	00-core.ldif

7.76. person

The entry with this object class represents a human being.

OID	2.5.6.6
Names	person
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, sn
Optional Attributes	description, seeAlso, telephoneNumber, userPassword
Origin	RFC 4519

| Schema File | 00-core.ldif |

7.77. pilotDSA

Object class assigning common attributes for COSINE and Internet X.500 pilot Directory System Agent (DSA) entries.

OID	0.9.2342.19200300.100.4.21
Names	pilotDSA
Superior Classes	dSA
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, dSAQuality, objectClass, presentationAddress
Optional Attributes	description, knowledgeInformation, l, o, ou, seeAlso, supportedApplicationContext
Origin	RFC 1274
Schema File	00-core.ldif

7.78. pilotObject

Object class assigning common attributes for COSINE and Internet X.500 pilot entries.

OID	0.9.2342.19200300.100.4.3
Names	pilotObject
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass
Optional Attributes	audio, dITRedirect, info, jpegPhoto, lastModifiedBy, lastModifiedTime, manager, photo, uniqueIdentifier
Origin	RFC 1274
Schema File	00-core.ldif

7.79. pilotOrganization

Organization object class for COSINE and Internet X.500 pilot entries.

OID	0.9.2342.19200300.100.4.20

Names	pilotOrganization
Superior Classes	organization, organizationalUnit
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	o, objectClass, ou
Optional Attributes	buildingName, businessCategory, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, searchGuide, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 1274
Schema File	00-core.ldif

7.80. pilotPerson

Person object class for COSINE and Internet X.500 pilot entries.

OID	0.9.2342.19200300.100.4.4
Names	pilotPerson
Superior Classes	person
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, sn
Optional Attributes	businessCategory, description, drink, homePhone, homePostalAddress, janetMailbox, mail, mailPreferenceOption, mobile, organizationalStatus, otherMailbox, pager, personalSignature, personalTitle, preferredDeliveryMethod, roomNumber, secretary, seeAlso, telephoneNumber, textEncodedORAddress, uid, userClass, userPassword
Origin	RFC 1274
Schema File	00-core.ldif

7.81. pkiCA

Object class for augmenting entries that act as certificate authorities, as described in X.509 clause 11.1.2.

OID	2.5.6.22
Names	pkiCA

Description	X.509 PKI Certificate Authority
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	authorityRevocationList, cACertificate, certificateRevocationList, crossCertificatePair
Origin	RFC 4523
Schema File	00-core.ldif

7.82. pkiUser

Object class for augmenting entries that may be subject to certificates, as described in X.509 clause 11.1.1.

OID	2.5.6.21
Names	pkiUser
Description	X.509 PKI User
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	userCertificate
Origin	RFC 4523
Schema File	00-core.ldif

7.83. posixAccount

OID	1.3.6.1.1.1.2.0
Names	posixAccount
Description	Abstraction of an account with POSIX attributes
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	cn, gidNumber, homeDirectory, objectClass, uid, uidNumber
Optional Attributes	authPassword, description, gecos, loginShell, userPassword

Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.84. posixGroup

OID	1.3.6.1.1.1.2.2
Names	posixGroup
Description	Abstraction of a group of accounts
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	gidNumber, objectClass
Optional Attributes	authPassword, description, memberUid, userPassword
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.85. printerAbstract

OID	1.3.18.0.2.6.258
Names	printerAbstract
Description	Printer related information.
Superior Classes	top
Class Type	ABSTRACT: for use when defining other object classes.
Required Attributes	objectClass
Optional Attributes	printer-charset-configured, printer-charset-supported, printer-color-supported, printer-compression-supported, printer-copies-supported, printer-current-operator, printer-delivery-orientation-supported, printer-document-format-supported, printer-finishings-supported, printer-generated-natural-language-supported, printer-info, printer-job-k-octets-supported, printer-job-priority-supported, printer-location, printer-make-and-model, printer-media-local-supported, printer-media-supported, printer-more-info, printer-multiple-document-jobs-supported, printer-name, printer-natural-language-configured, printer-number-up-supported, printer-output-features-supported, printer-pages-per-minute, printer-pages-per-minute-color, printer-print-quality-supported, printer-resolution-supported, printer-service-person, printer-sides-supported, printer-stacking-order-supported
Origin	RFC 3712
Schema File	03-rfc3712.ldif

7.86. printerIPP

OID	1.3.18.0.2.6.256
Names	printerIPP
Description	Internet Printing Protocol (IPP) information.
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	printer-ipp-versions-supported, printer-multiple-document-jobs-supported
Origin	RFC 3712
Schema File	03-rfc3712.ldif

7.87. printerLPR

OID	1.3.18.0.2.6.253
Names	printerLPR
Description	LPR information.
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, printer-name
Optional Attributes	printer-aliases
Origin	RFC 3712
Schema File	03-rfc3712.ldif

7.88. printerService

OID	1.3.18.0.2.6.255
Names	printerService
Description	Printer information.
Superior Classes	printerAbstract
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass

Optional Attributes	printer-charset-configured, printer-charset-supported, printer-color-supported, printer-compression-supported, printer-copies-supported, printer-current-operator, printer-delivery-orientation-supported, printer-document-format-supported, printer-finishings-supported, printer-generated-natural-language-supported, printer-info, printer-job-k-octets-supported, printer-job-priority-supported, printer-location, printer-make-and-model, printer-media-local-supported, printer-media-supported, printer-more-info, printer-multiple-document-jobs-supported, printer-name, printer-natural-language-configured, printer-number-up-supported, printer-output-features-supported, printer-pages-per-minute, printer-pages-per-minute-color, printer-print-quality-supported, printer-resolution-supported, printer-service-person, printer-sides-supported, printer-stacking-order-supported, printer-uri, printer-xri-supported
Origin	RFC 3712
Schema File	03-rfc3712.ldif

7.89. printerServiceAuxClass

OID	1.3.18.0.2.6.257
Names	printerServiceAuxClass
Description	Printer information.
Superior Classes	printerAbstract
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	printer-charset-configured, printer-charset-supported, printer-color-supported, printer-compression-supported, printer-copies-supported, printer-current-operator, printer-delivery-orientation-supported, printer-document-format-supported, printer-finishings-supported, printer-generated-natural-language-supported, printer-info, printer-job-k-octets-supported, printer-job-priority-supported, printer-location, printer-make-and-model, printer-media-local-supported, printer-media-supported, printer-more-info, printer-multiple-document-jobs-supported, printer-name, printer-natural-language-configured, printer-number-up-supported, printer-output-features-supported, printer-pages-per-minute, printer-pages-per-minute-color, printer-print-quality-supported, printer-resolution-supported, printer-service-person, printer-sides-supported, printer-stacking-order-supported, printer-uri, printer-xri-supported
Origin	RFC 3712
Schema File	03-rfc3712.ldif

7.90. pwdPolicy

Password policy that is part of the directory data and can be replicated.

OID	1.3.6.1.4.1.42.2.27.8.2.1
Names	pwdPolicy
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, pwdAttribute
Optional Attributes	pwdAllowUserChange, pwdCheckQuality, pwdExpireWarning, pwdFailureCountInterval, pwdGraceAuthNLimit, pwdInHistory, pwdLockout, pwdLockoutDuration, pwdMaxAge, pwdMaxFailure, pwdMinAge, pwdMinLength, pwdMustChange, pwdSafeModify
Origin	draft-behera-ldap-password-policy
Schema File	01-pwpolicy.ldif

7.91. pwdValidatorPolicy

Object class for an entry that specifies a password validation policy.

OID	1.3.6.1.4.1.36733.2.1.2.18
Names	pwdValidatorPolicy
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, ds-cfg-password-validator
Origin	OpenDJ Directory Server
Schema File	03-pwpolicyextension.ldif

7.92. qualityLabelledData

Object class assigning common data quality attributes to subtrees in the DIT.

OID	0.9.2342.19200300.100.4.22
Names	qualityLabelledData
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	dSAQuality, objectClass
Optional Attributes	subtreeMaximumQuality, subtreeMinimumQuality

Origin	RFC 1274
Schema File	00-core.ldif

7.93. referral

Represents a subordinate reference in the directory, in other words an entry that refers to another entry.

Use this object class with `extensibleObject` to allow the entry to support the naming attributes used in its DN.

OID	2.16.840.1.113730.3.2.6
Names	referral
Description	named subordinate reference object
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	ref
Origin	RFC 3296
Schema File	00-core.ldif

7.94. residentialPerson

The entry with this object class represents a person's residence in representation of the person.

OID	2.5.6.10
Names	residentialPerson
Superior Classes	person
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, l, objectClass, sn
Optional Attributes	businessCategory, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, seeAlso, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 4519
Schema File	00-core.ldif

7.95. rFC822LocalPart

Entries of this object class represent the local part of Internet mail addresses as described in .

The local part of the address is handled like a `domain` entry.

OID	0.9.2342.19200300.100.4.14
Names	rFC822LocalPart
Superior Classes	domain
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	dc, objectClass
Optional Attributes	associatedName, businessCategory, cn, description, destinationIndicator, facsimileTelephoneNumber, internationaliSDNNumber, l, o, physicalDeliveryOfficeName, postOfficeBox, postalAddress, postalCode, preferredDeliveryMethod, registeredAddress, searchGuide, seeAlso, sn, st, street, telephoneNumber, teletexTerminalIdentifier, telexNumber, userPassword, x121Address
Origin	RFC 4524
Schema File	00-core.ldif

7.96. room

Entries of this object class represent rooms with `cn` as the naming attribute.

OID	0.9.2342.19200300.100.4.7
Names	room
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	description, roomNumber, seeAlso, telephoneNumber
Origin	RFC 4524
Schema File	00-core.ldif

7.97. sambaConfig

OID	1.3.6.1.4.1.7165.1.2.2.10

Names	sambaConfig
Description	Samba Configuration Section
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	description
Schema File	05-samba.ldif

7.98. sambaConfigOption

OID	1.3.6.1.4.1.7165.2.2.12
Names	sambaConfigOption
Description	Samba Configuration Option
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, sambaOptionName
Optional Attributes	description, sambaBoolOption, sambaIntegerOption, sambaStringListOption, sambaStringOption
Schema File	05-samba.ldif

7.99. sambaDomain

OID	1.3.6.1.4.1.7165.2.2.5
Names	sambaDomain
Description	Samba Domain Information
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, sambaDomainName, sambaSID
Optional Attributes	sambaAlgorithmicRidBase, sambaForceLogoff, sambaLockoutDuration, sambaLockoutObservationWindow, sambaLockoutThreshold, sambaLogonToChgPwd, sambaMaxPwdAge, sambaMinPwdAge, sambaMinPwdLength, sambaNextGroupRid, sambaNextRid, sambaNextUserRid, sambaPwdHistoryLength, sambaRefuseMachinePwdChange

Schema File	05-samba.ldif

7.100. sambaGroupMapping

OID	1.3.6.1.4.1.7165.2.2.4
Names	sambaGroupMapping
Description	Samba Group Mapping
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	gidNumber, objectClass, sambaGroupType, sambaSID
Optional Attributes	description, displayName, sambaSIDList
Schema File	05-samba.ldif

7.101. sambaIdmapEntry

OID	1.3.6.1.4.1.7165.1.2.2.8
Names	sambaIdmapEntry
Description	Mapping from a SID to an ID
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, sambaSID
Optional Attributes	gidNumber, uidNumber
Schema File	05-samba.ldif

7.102. sambaPrivilege

OID	1.3.6.1.4.1.7165.2.2.13
Names	sambaPrivilege
Description	Samba Privilege
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, sambaSID

Optional Attributes	sambaPrivilegeList
Schema File	05-samba.ldif

7.103. sambaSamAccount

OID	1.3.6.1.4.1.7165.2.2.6
Names	sambaSamAccount
Description	Samba 3.0 Auxilary SAM Account
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, sambaSID, uid
Optional Attributes	cn, description, displayName, sambaAcctFlags, sambaBadPasswordCount, sambaBadPasswordTime, sambaDomainName, sambaHomeDrive, sambaHomePath, sambaKickoffTime, sambaLMPassword, sambaLogoffTime, sambaLogonHours, sambaLogonScript, sambaLogonTime, sambaMungedDial, sambaNTPassword, sambaPasswordHistory, sambaPrimaryGroupSID, sambaProfilePath, sambaPwdCanChange, sambaPwdLastSet, sambaPwdMustChange, sambaUserWorkstations
Schema File	05-samba.ldif

7.104. sambaShare

OID	1.3.6.1.4.1.7165.2.2.11
Names	sambaShare
Description	Samba Share Section
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, sambaShareName
Optional Attributes	description
Schema File	05-samba.ldif

7.105. sambaSidEntry

OID	1.3.6.1.4.1.7165.1.2.2.9

Names	sambaSidEntry
Description	Structural Class for a SID
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, sambaSID
Schema File	05-samba.ldif

7.106. sambaTrustPassword

OID	1.3.6.1.4.1.7165.2.2.14
Names	sambaTrustPassword
Description	Samba Trust Password
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, sambaDomainName, sambaNTPassword, sambaTrustFlags
Optional Attributes	sambaPwdLastSet, sambaSID
Schema File	05-samba.ldif

7.107. sambaUnixIdPool

OID	1.3.6.1.4.1.7165.1.2.2.7
Names	sambaUnixIdPool
Description	Pool for allocating UNIX uids/gids
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	gidNumber, objectClass, uidNumber
Schema File	05-samba.ldif

7.108. shadowAccount

OID	1.3.6.1.1.1.2.1
Names	shadowAccount

Description	Additional attributes for shadow passwords
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, uid
Optional Attributes	authPassword, description, shadowExpire, shadowFlag, shadowInactive, shadowLastChange, shadowMax, shadowMin, shadowWarning, userPassword
Origin	draft-howard-rfc2307bis
Schema File	04-rfc2307bis.ldif

7.109. simpleSecurityObject

Entries of this object class require that the entry have a `userPassword` attribute when the `userPassword` attribute is not required or allowed by the structural object class chain.

OID	0.9.2342.19200300.100.4.19
Names	simpleSecurityObject
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, userPassword
Origin	RFC 4524
Schema File	00-core.ldif

7.110. slpService

Parent class for Service Location Protocol (SLP) objects. Specific service types inherit from this class and define their own attributes. They are structural object classes.

SLP service type templates have the following properties:

`template-type`

Defines the service type of the template. The service type can reflect:

- A simple service, for example `service:ftp`

- An abstract service type, for example `service:printer`

- An concrete service type, for example `service:printer:lpr`

- A service with a naming authority, for example `service:printer.sun:local`

This definition is used as the name of the LDAP object class for the template. To translate the service type name, `:` and `.` are replaced with `-`. For example, `service:printer.sun:local` becomes the object class name `service-printer-sun-local`.

template-version

String containing a major and minor version number, separated by `.`

template-description

Block of human-readable text describing what the service does.

template-url-syntax

ABNF grammar describing the service type specific part of the service URL.

OID	1.3.6.1.4.1.6252.2.27.6.2.1
Names	slpService
Description	parent superclass for SLP services
Superior Classes	top
Class Type	ABSTRACT: for use when defining other object classes.
Required Attributes	description, objectClass, service-advert-scopes, service-advert-service-type, template-major-version-number, template-minor-version-number, template-url-syntax
Optional Attributes	service-advert-attribute-authenticator, service-advert-url-authenticator
Origin	RFC 2926
Schema File	03-rfc2926.ldif

7.111. slpServicePrinter

OID	1.3.18.0.2.6.254
Names	slpServicePrinter
Description	Service Location Protocol (SLP) information.
Superior Classes	slpService
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	description, objectClass, service-advert-scopes, service-advert-service-type, template-major-version-number, template-minor-version-number, template-url-syntax
Optional Attributes	service-advert-attribute-authenticator, service-advert-url-authenticator

Origin	RFC 3712
Schema File	03-rfc3712.ldif

7.112. SolarisAuditUser

OID	1.3.6.1.4.1.42.2.27.5.2.2
Names	SolarisAuditUser
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	SolarisAuditAlways, SolarisAuditNever
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.113. SolarisAuthAttr

OID	1.3.6.1.4.1.42.2.27.5.2.4
Names	SolarisAuthAttr
Description	Authorizations data
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	SolarisAttrKeyValue, SolarisAttrLongDesc, SolarisAttrReserved1, SolarisAttrReserved2, SolarisAttrShortDesc
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.114. SolarisExecAttr

OID	1.3.6.1.4.1.42.2.27.5.2.6
Names	SolarisExecAttr
Description	Profiles execution attributes
Superior Classes	top

Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	SolarisAttrKeyValue, SolarisAttrReserved1, SolarisAttrReserved2, SolarisKernelSecurityPolicy, SolarisProfileId, SolarisProfileType
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.115. SolarisNamingProfile

OID	1.3.6.1.4.1.42.2.27.5.2.7
Names	SolarisNamingProfile
Description	Solaris LDAP Naming client profile objectClass
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	SolarisLDAPServers, SolarisSearchBaseDN, cn, objectClass
Optional Attributes	SolarisAuthMethod, SolarisBindDN, SolarisBindPassword, SolarisBindTimeLimit, SolarisCacheTTL, SolarisCertificatePassword, SolarisCertificatePath, SolarisDataSearchDN, SolarisPreferredServer, SolarisPreferredServerOnly, SolarisSearchReferral, SolarisSearchScope, SolarisSearchTimeLimit, SolarisTransportSecurity
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.116. SolarisProfAttr

OID	1.3.6.1.4.1.42.2.27.5.2.5
Names	SolarisProfAttr
Description	Profiles data
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass
Optional Attributes	SolarisAttrKeyValue, SolarisAttrLongDesc, SolarisAttrReserved1, SolarisAttrReserved2
Origin	Solaris Specific

Schema File	05-solaris.ldif

7.117. SolarisProject

OID	1.3.6.1.4.1.42.2.27.5.2.1
Names	SolarisProject
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	SolarisProjectID, SolarisProjectName, objectClass
Optional Attributes	SolarisProjectAttr, description, memberGid, memberUid
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.118. SolarisUserAttr

OID	1.3.6.1.4.1.42.2.27.5.2.3
Names	SolarisUserAttr
Description	User attributes
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	SolarisAttrKeyValue, SolarisAttrReserved1, SolarisAttrReserved2, SolarisUserQualifier
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.119. strongAuthenticationUser

Object class for augmenting entries that use certificate-based authentication, as described in X.521 clause 6.15.

This object class is deprecated. Use `pkiUser` instead.

OID	2.5.6.15

Names	strongAuthenticationUser
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, userCertificate
Origin	RFC 4523
Schema File	00-core.ldif

7.120. subentry

Subentries are analogous to operational attributes in that they are used by the server for administrative purposes. Examples include password policies, entries for allocating collective attributes, and the entry exposing directory schema.

Unlike entries in the server-specific configuration backend, Subentries are present in and replicated with user data. Modifying subentries nevertheless requires the `subentry-write` administrative privilege.

For details, see RFC 3672, .

OID	2.5.17.0
Names	subentry
Description	LDAP Subentry class
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	cn, objectClass, subtreeSpecification
Origin	RFC 3672
Schema File	00-core.ldif

7.121. subschema

Auxiliary object class for entries holding LDAP schema definitions.

OID	2.5.20.1
Names	subschema
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Optional Attributes	attributeTypes, dITContentRules, dITStructureRules, matchingRuleUse, matchingRules, nameForms, objectClasses

Origin	RFC 4512
Schema File	00-core.ldif

7.122. sunPrinter

OID	1.3.6.1.4.1.42.2.27.5.2.14
Names	sunPrinter
Description	Sun printer information
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, printer-name
Optional Attributes	sun-printer-bsdaddr, sun-printer-kvp
Origin	Solaris Specific
Schema File	05-solaris.ldif

7.123. top

The top-level object class, which is the abstract parent of all structural object class hierarchies.

OID	2.5.6.0
Names	top
Class Type	ABSTRACT: for use when defining other object classes.
Required Attributes	objectClass
Origin	RFC 4512
Schema File	00-core.ldif

7.124. uddiAddress

This entry represents an address contained by a UDDI contact.

OID	1.3.6.1.1.10.6.3
Names	uddiAddress
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.

Required Attributes	objectClass, uddiUUID
Optional Attributes	uddiAddressLine, uddiLang, uddiSortCode, uddiTModelKey, uddiUseType, uddiv3TModelKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.125. uddiBindingTemplate

This entry represents a UDDI binding template.

OID	1.3.6.1.1.10.6.5
Names	uddiBindingTemplate
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiBindingKey
Optional Attributes	uddiAccessPoint, uddiCategoryBag, uddiDescription, uddiHostingRedirector, uddiServiceKey, uddiv3BindingKey, uddiv3DigitalSignature, uddiv3EntityCreationTime, uddiv3NodeId, uddiv3ServiceKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.126. uddiBusinessEntity

This entry represents a UDDI business entity.

OID	1.3.6.1.1.10.6.1
Names	uddiBusinessEntity
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiBusinessKey, uddiName
Optional Attributes	uddiAuthorizedName, uddiCategoryBag, uddiDescription, uddiDiscoveryURLs, uddiIdentifierBag, uddiOperator, uddiv3BusinessKey, uddiv3DigitalSignature, uddiv3EntityModificationTime, uddiv3NodeId
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.127. uddiBusinessService

This entry represents a UDDI business service.

OID	1.3.6.1.1.10.6.4
Names	uddiBusinessService
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiServiceKey
Optional Attributes	uddiBusinessKey, uddiCategoryBag, uddiDescription, uddiIsProjection, uddiName, uddiv3BusinessKey, uddiv3DigitalSignature, uddiv3EntityCreationTime, uddiv3EntityModificationTime, uddiv3NodeId, uddiv3ServiceKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.128. uddiContact

This entry represents a contact contained by a UDDI business entity.

OID	1.3.6.1.1.10.6.2
Names	uddiContact
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiPersonName, uddiUUID
Optional Attributes	uddiDescription, uddiEMail, uddiPhone, uddiUseType
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.129. uddiPublisherAssertion

This entry represents a UDDI publisher assertion.

OID	1.3.6.1.1.10.6.8
Names	uddiPublisherAssertion
Superior Classes	top

Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiFromKey, uddiKeyedReference, uddiToKey, uddiUUID
Optional Attributes	uddiv3DigitalSignature, uddiv3NodeId
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.130. uddiTModel

This entry represents a UDDI template model.

OID	1.3.6.1.1.10.6.7
Names	uddiTModel
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiName, uddiTModelKey
Optional Attributes	uddiAuthorizedName, uddiCategoryBag, uddiDescription, uddiIdentifierBag, uddiIsHidden, uddiOperator, uddiOverviewDescription, uddiOverviewURL, uddiv3DigitalSignature, uddiv3NodeId, uddiv3TModelKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.131. uddiTModelInstanceInfo

This entry represents a UDDI template model instance info object.

OID	1.3.6.1.1.10.6.6
Names	uddiTModelInstanceInfo
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiTModelKey
Optional Attributes	uddiDescription, uddiInstanceDescription, uddiInstanceParms, uddiOverviewDescription, uddiOverviewURL, uddiv3TModelKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.132. uddiv3EntityObituary

This entry represents a UDDI entity obituary that contains information for a deleted UDDIv3 entity.

OID	1.3.6.1.1.10.6.10
Names	uddiv3EntityObituary
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiUUID, uddiv3EntityKey
Optional Attributes	uddiAuthorizedName, uddiv3EntityCreationTime, uddiv3EntityDeletionTime, uddiv3NodeId
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.133. uddiv3Subscription

This entry represents a UDDI subscription entity.

OID	1.3.6.1.1.10.6.9
Names	uddiv3Subscription
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass, uddiUUID, uddiv3SubscriptionFilter
Optional Attributes	uddiAuthorizedName, uddiv3BindingKey, uddiv3BriefResponse, uddiv3ExpiresAfter, uddiv3MaxEntities, uddiv3NodeId, uddiv3NotificationInterval, uddiv3SubscriptionKey
Origin	RFC 4403
Schema File	03-uddiv3.ldif

7.134. uidObject

This object class permits the entry to contain user identification information.

OID	1.3.6.1.1.3.1
Names	uidObject
Superior Classes	top

Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass, uid
Origin	RFC 4519
Schema File	00-core.ldif

7.135. untypedObject

OID	1.3.6.1.4.1.26027.1.2.900
Names	untypedObject
Description	Entry of no particular type
Superior Classes	top
Class Type	STRUCTURAL: for structural specification of the DIT. Entries have only one structural object class superclass chain.
Required Attributes	objectClass
Optional Attributes	c, cn, dc, description, l, o, ou, owner, seeAlso, st, street, uid
Origin	draft-furuseth-ldap-untypedobject
Schema File	00-core.ldif

7.136. userSecurityInformation

Object class for augmenting entries with additional security information, as described in X.521 clause 6.16.

OID	2.5.6.18
Names	userSecurityInformation
Superior Classes	top
Class Type	AUXILIARY: for use in augmenting attributes of entries that already have a structural object class.
Required Attributes	objectClass
Optional Attributes	supportedAlgorithms
Origin	RFC 4523
Schema File	00-core.ldif

Chapter 8
Syntaxes

8.1. AttributeTypeDescription

Values of this syntax define attribute types.

The syntax corresponds to the `AttributeTypeDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.3
Description	Attribute Type Description
Origin	RFC 4517

8.2. AuthenticationPasswordSyntax

Values of this syntax hold encoded or hashed passwords.

The syntax follows this ABNF:

```
authPasswordValue = w scheme s authInfo s authValue w
scheme = %x30-39 / %x41-5A / %x2D-2F / %x5F
    ; 0-9, A-Z, "-", ".", "/", or "_"
authInfo = schemeSpecificValue
authValue = schemeSpecificValue
    schemeSpecificValue = *( %x21-23 / %x25-7E )
    ; printable ASCII less "$" and " "
s = w SEP w
w = *SP
SEP = %x24 ; "$"
SP = %x20 ; " " (space)
```

The `scheme` describes the mechanism.

The `authInfo` is often base64-encoded salt.

The `authValue` is often a base64-encoded value derived from the password(s).

OID	1.3.6.1.4.1.4203.1.1.2

Description	Authentication Password Syntax
Origin	RFC 3112

8.3. Binary

Values of this syntax hold binary values.

The values are BER-encoded instances of an attribute value ASN.1 data type for X.500, where the first byte inside the OCTET STRING wrapper is a tag octet, and the OCTET STRING is encoded in primitive form.

OID	1.3.6.1.4.1.1466.115.121.1.5
Description	Binary
Origin	RFC 4517

8.4. BitString

Values of this syntax hold a sequence of binary digits.

The syntax follows this ABNF, corresponding to the BIT STRING ASN.1 type:

```
BitString    = SQUOTE *binary-digit SQUOTE "B"
binary-digit = "0" / "1"
```

OID	1.3.6.1.4.1.1466.115.121.1.6
Description	Bit String
Origin	RFC 4517

8.5. Boolean

Values of this syntax hold a Boolean value, either `TRUE` or `FALSE`.

The syntax follows the BOOLEAN ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.7
Description	Boolean
Origin	RFC 4517

8.6. Certificate

Values of this syntax hold an X.509 certificate.

Request values using the binary option for the attribute description, such as `userCertificate;binary`.

Values of this syntax and the form of each value must be preserved as presented to avoid corrupting the digital signature.

OID	1.3.6.1.4.1.1466.115.121.1.8
Description	Certificate
Origin	RFC 4523

8.7. CertificateExactAssertion

Values of this syntax hold an X.509 `CertificateExactAssertion` as described in X.509, clause 11.3.1.

Values are encoded using Generic String Encoding Rules, specified in . The syntax follows this ABNF:

```
CertificateExactAssertion = "{" sp cea-serialNumber "," sp cea-issuer sp "}"

cea-serialNumber = id-serialNumber msp CertificateSerialNumber
cea-issuer = id-issuer msp Name

id-serialNumber = %x73.65.72.69.61.6C.4E.75.6D.62.65.72 ; 'serialNumber'
id-issuer = %x69.73.73.75.65.72 ; 'issuer'

Name = id-rdnSequence ":" RDNSequence
id-rdnSequence = %x72.64.6E.53.65.71.75.65.6E.63.65 ; 'rdnSequence'

CertificateSerialNumber = INTEGER
```

OID	1.3.6.1.1.15.1
Description	X.509 Certificate Exact Assertion
Origin	RFC 4523

8.8. CertificateList

Values of this syntax hold an X.509 `CertificateList` as described in X.509, clause 7.3.

Request values using the binary option for the attribute description, such as `certificateRevocationList;binary`.

Values of this syntax and the form of each value must be preserved as presented to avoid corrupting the digital signature.

OID	1.3.6.1.4.1.1466.115.121.1.9
Description	Certificate List
Origin	RFC 4523

8.9. CertificatePair

Values of this syntax hold an X.509 `CertificatePair` as described in X.509, clause 11.2.3.

Request values using the binary option for the attribute description, such as `crossCertificatePair;binary`.

Values of this syntax and the form of each value must be preserved as presented to avoid corrupting the digital signature.

OID	1.3.6.1.4.1.1466.115.121.1.10
Description	Certificate Pair
Origin	RFC 4523

8.10. CollectiveConflictBehavior

Values of this syntax indicate how to handle conflicts between real (stored) and virtual (computed) attribute values.

OID	1.3.6.1.4.1.26027.1.3.6
Description	Collective Conflict Behavior
Acceptable Values	real-overrides-virtual, virtual-overrides-real, merge-real-and-virtual
Schema File	00-core.ldif

8.11. CountryString

Values of this syntax hold two-character country codes as defined in the standard.

OID	1.3.6.1.4.1.1466.115.121.1.11
Description	Country String
Origin	RFC 4517

8.12. DeliveryMethod

Values of this syntax have values that are sequences of items that indicate the service(s) by which an entity can receive messages, in order of preference.

The syntax follows this ABNF:

```
DeliveryMethod = pdm *( WSP DOLLAR WSP pdm )
pdm            = "any" / "mhs" / "physical" / "telex" / "teletex" /
                 "g3fax" / "g4fax" / "ia5" / "videotex" / "telephone"
WSP            = 0*SPACE  ; zero or more " "
DOLLAR         = %x24 ; dollar sign ("$")
SPACE          = %x20 ; space (" ")
```

OID	1.3.6.1.4.1.1466.115.121.1.14
Description	Delivery Method
Origin	RFC 4517

8.13. DirectoryString

Values of this syntax hold strings of one or more arbitrary characters from the Universal Character Set (UCS). A zero-length character string is not permitted for this syntax.

LDAP encodes these values in UTF-8, as specified in .

Client applications must accept arbitrary UCS code points, including code points outside the printable range, and code points not presently assigned to any character.

OID	1.3.6.1.4.1.1466.115.121.1.15
Description	Directory String
Origin	RFC 4517

8.14. DITContentRuleDescription

Values of this syntax define DIT content rules.

The syntax corresponds to the `DITContentRuleDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.16
Description	DIT Content Rule Description
Origin	RFC 4517

8.15. DITStructureRuleDescription

Values of this syntax define DIT structure rules.

The syntax corresponds to the `DITStructureRuleDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.17
Description	DIT Structure Rule Description
Origin	RFC 4517

8.16. DN

Values of this syntax hold the distinguished name (DN) of an entry.

The syntax corresponds to the `DistinguishedName` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.12
Description	DN
Origin	RFC 4517

8.17. EnhancedGuide

Values of this syntax suggest criteria to be used in constructing filters to search for entries of a particular object class. The criteria are combinations of attribute types and filter operators.

For example, the value `person#(sn$EQ)#oneLevel` suggests searching for `person` entries with an equality filter to match `surname` (SN) attribute values with a scope of one level below the base DN.

The syntax follows this ABNF:

```
EnhancedGuide = object-class SHARP WSP criteria WSP
                SHARP WSP subset
object-class  = WSP oid WSP
subset        = "baseobject" / "oneLevel" / "wholeSubtree"

criteria      = and-term *( BAR and-term )
and-term      = term *( AMPERSAND term )
term          = EXCLAIM term /
                attributetype DOLLAR match-type /
                LPAREN criteria RPAREN /
                true /
                false
match-type    = "EQ" / "SUBSTR" / "GE" / "LE" / "APPROX"
true          = "?true"
false         = "?false"
BAR           = %x7C  ; vertical bar ("|")
```

```
AMPERSAND     = %x26  ; ampersand ("&")
EXCLAIM       = %x21  ; exclamation mark ("!")

WSP           = 0*SPACE  ; zero or more " "
DOLLAR        = %x24 ; dollar sign ("$")
SPACE         = %x20 ; space (" ")
SHARP         = %x23 ; octothorpe (or sharp sign) ("#")
LPAREN        = %x28 ; left paren ("(")
RPAREN        = %x29 ; right paren (")")

attributetype = oid
oid           = descr / numericoid
descr         = keystring
numericoid    = number 1*( DOT number )
keystring     = leadkeychar *keychar
leadkeychar   = ALPHA
keychar       = ALPHA / DIGIT / HYPHEN
number        = DIGIT / ( LDIGIT 1*DIGIT )
ALPHA         = %x41-5A / %x61-7A    ; "A"-"Z" / "a"-"z"
DIGIT         = %x30 / LDIGIT        ; "0"-"9"
LDIGIT        = %x31-39              ; "1"-"9"
HEX           = DIGIT / %x41-46 / %x61-66 ; "0"-"9" / "A"-"F" / "a"-"f"
```

The syntax corresponds to the `EnhancedGuide` ASN.1 type defined by X.520.

OID	1.3.6.1.4.1.1466.115.121.1.21
Description	Enhanced Guide
Origin	RFC 4517

8.18. FacsimileTelephoneNumber

Values of this syntax hold fax telephone numbers with optional additional fax parameters.

The syntax follows this ABNF:

```
fax-number       = telephone-number *( DOLLAR fax-parameter )
telephone-number = PrintableString
fax-parameter    = "twoDimensional" /
                   "fineResolution" /
                   "unlimitedLength" /
                   "b4Length" /
                   "a3Width" /
                   "b4Width" /
                   "uncompressed"
```

OID	1.3.6.1.4.1.1466.115.121.1.22
Description	Facsimile Telephone Number
Origin	RFC 4517

8.19. Fax

Values of this syntax hold fax images produced by the Group 3 facsimile process, as described in *Terminal Equipment and Protocols for Telematic Services*, ITU-T Recommendation T.4.

The ASN.1 type corresponds to this Fax syntax, assuming EXPLICIT TAGS:

```
Fax ::= CHOICE {
    g3-facsimile  [3] G3FacsimileBodyPart
}
```

The `G3FacsimileBodyPart` ASN.1 type is defined by X.420.

OID	1.3.6.1.4.1.1466.115.121.1.23
Description	Fax
Origin	RFC 4517

8.20. GeneralizedTime

Values of this syntax hold generalized times, character strings representing a date and time.

The syntax follows this ABNF:

```
GeneralizedTime = century year month day hour
                  [ minute [ second / leap-second ] ]
                  [ fraction ]
                  g-time-zone

century = 2(%x30-39)                          ; "00" to "99"
year    = 2(%x30-39)                          ; "00" to "99"
month   = ( %x30 %x31-39 )                    ; "01" (January) to "09"
          / ( %x31 %x30-32 )                  ; "10" to "12"
day     = ( %x30 %x31-39 )                    ; "01" to "09"
          / ( %x31-32 %x30-39 )               ; "10" to "29"
          / ( %x33 %x30-31 )                  ; "30" to "31"
hour    = ( %x30-31 %x30-39 ) / ( %x32 %x30-33 ) ; "00" to "23"
minute  = %x30-35 %x30-39                     ; "00" to "59"

second     = ( %x30-35 %x30-39 )              ; "00" to "59"
leap-second = ( %x36 %x30 )                   ; "60"

fraction       = ( DOT / COMMA ) 1*(%x30-39)
g-time-zone    = %x5A                         ; "Z"
                 / g-differential
g-differential = ( MINUS / PLUS ) hour [ minute ]
MINUS          = %x2D                         ; minus sign ("-")
PLUS           = %x2B                         ; plus sign ("+")
```

Where the ABNF allows invalid times, such as Feb. 31, 2017, the values are considered invalid.

When the "Z" form of the time zone is used, the time value represents universal coordinated time. Otherwise, it represents a local time in the time zone indicated by the `g-differential`.

Example: `201702151036Z` meaning 10:36 AM, February 15, 2017 universal coordinated time.

The syntax corresponds to the `GeneralizedTime` ASN.1 type, with the exception that local times without a differential are not permitted.

OID	1.3.6.1.4.1.1466.115.121.1.24
Description	Generalized Time
Origin	RFC 4517

8.21. Guide

Values of this syntax suggest criteria to be used in constructing filters to search for entries of a particular object class. The criteria are combinations of attribute types and filter operators.

This syntax is considered obsolete, and should not be used when defining new attribute types. The alternative is `EnhancedGuide`.

OID	1.3.6.1.4.1.1466.115.121.1.25
Description	Guide
Origin	RFC 4517

8.22. IA5String

Values of this syntax hold strings of zero or more characters from International Alphabet 5 (IA5), the international version of the ASCII character set. The set is defined in *International Reference Alphabet (IRA) (Formerly International Alphabet No. 5 or IA5) Information Technology - 7-Bit Coded Character Set for Information Interchange*, ITU-T Recommendation T.50.

The syntax follows this ABNF:

```
IA5String = *(%x00-7F)
```

The syntax corresponds to the `IA5String` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.26

Description	IA5 String
Origin	RFC 4517

8.23. Integer

Values of this syntax hold whole numbers of unlimited magnitude.

The syntax follows this ABNF:

```
Integer = ( HYPHEN LDIGIT *DIGIT ) / number
number  = DIGIT / ( LDIGIT 1*DIGIT )
HYPHEN  = %x2D                              ; hyphen ("-")
DIGIT   = %x30 / LDIGIT                     ; "0"-"9"
LDIGIT  = %x31-39                           ; "1"-"9"
```

The syntax corresponds to the `INTEGER` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.27
Description	Integer
Origin	RFC 4517

8.24. JPEG

Values of this syntax hold images in the JPEG File Interchange Format (JFIF), as described in *JPEG File Interchange Format* (Version 1.02). The values are the sequence of octets of the JFIF encoding.

The syntax corresponds to the following ASN.1 type:

```
JPEG ::= OCTET STRING (CONSTRAINED BY
           { -- contents octets are an image in the --
             -- JPEG File Interchange Format -- })
```

OID	1.3.6.1.4.1.1466.115.121.1.28
Description	JPEG
Origin	RFC 4517

8.25. Json

Values of this syntax hold JavaScript Object Notation (JSON) documents.

The syntax is specified in .

OID	1.3.6.1.4.1.36733.2.1.3.1
Description	Json
Origin	OpenDJ Directory Server

8.26. JsonQuery

Values of this syntax hold ForgeRock® Common REST JSON Query filter strings. See the directory documentation for details.

OID	1.3.6.1.4.1.36733.2.1.3.2
Description	Json Query
Origin	OpenDJ Directory Server

8.27. LDAPSyntaxDescription

Values of this syntax define LDAP syntaxes.

The syntax corresponds to the following ASN.1 type:

```
LDAPSyntaxDescription ::= SEQUENCE {
        identifier      OBJECT IDENTIFIER,
        description     DirectoryString { ub-schema } OPTIONAL }
```

`DirectoryString` is defined in X.520. The integer value of `ub-schema` depends on the implementation.

OID	1.3.6.1.4.1.1466.115.121.1.54
Description	LDAP Syntax Description
Origin	RFC 4517

8.28. MatchingRuleDescription

Values of this syntax define matching rules.

The syntax corresponds to the `MatchingRuleDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.30

Description	Matching Rule Description
Origin	RFC 4517

8.29. MatchingRuleUseDescription

Values of this syntax define matching rule uses.

The syntax corresponds to the `MatchingRuleUseDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.31
Description	Matching Rule Use Description
Origin	RFC 4517

8.30. NameAndOptionalUID

Values of this syntax hold a DN followed by an optional unique identifier to distinguish the name from others with the same DN.

The syntax follows this ABNF:

```
NameAndOptionalUID = distinguishedName [ SHARP BitString ]
```

Example: `uid=bjensen,ou=people,dc=example,dc=com#'0101'B`.

The syntax corresponds to the `NameAndOptionalUID` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.34
Description	Name and Optional UID
Origin	RFC 4517

8.31. NameFormDescription

Values of this syntax define name forms.

The syntax corresponds to the `NameFormDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.35
Description	Name Form Description

Origin	RFC 4517

8.32. NumericString

Values of this syntax hold sequences of one or more numerals and spaces.

The syntax follows this ABNF:

```
NumericString = 1*(DIGIT / SPACE)
```

Example: `123 456 789 0`.

The syntax corresponds to the `NumericString` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.36
Description	Numeric String
Origin	RFC 4517

8.33. ObjectClassDescription

Values of this syntax define object classes.

The syntax corresponds to the `ObjectClassDescription` ASN.1 type defined by X.501.

OID	1.3.6.1.4.1.1466.115.121.1.37
Description	Object Class Description
Origin	RFC 4517

8.34. OctetString

Values of this syntax hold sequences of zero or more arbitrary octets.

The syntax follows this ABNF:

```
OctetString = *OCTET
OCTET       = %x00-FF ; Any octet (8-bit data unit)
```

The syntax corresponds to the `OCTET STRING` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.40
Description	Octet String
Origin	RFC 4517

8.35. OID

Values of this syntax hold Object Identifiers (OID), sequences of two or more non-negative integers that uniquely identify some object or item of specification.

Examples: `1.2.3.4`, `cn`.

The syntax corresponds to the `OBJECT IDENTIFIER` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.38
Description	OID
Origin	RFC 4517

8.36. OtherMailbox

Values of this syntax hold electronic mail addresses for a particular mail system.

The syntax follows this ABNF:

```
OtherMailbox = mailbox-type DOLLAR mailbox
mailbox-type = PrintableString
mailbox      = IA5String
```

The `mailbox-type` identifies the mail system. The `mailbox` identifies the mail box within the system.

The syntax corresponds to this ASN.1 type, assuming EXPLICIT TAGS:

```
OtherMailbox ::= SEQUENCE {
        mailboxType  PrintableString,
        mailbox      IA5String
}
```

OID	1.3.6.1.4.1.1466.115.121.1.39
Description	Other Mailbox
Origin	RFC 4517

8.37. PostalAddress

Values of this syntax hold sequences of strings of one or more arbitrary UCS characters, which form an address in a physical mail system.

The syntax follows this ABNF:

```
PostalAddress = line *( DOLLAR line )
line          = 1*line-char
line-char     = %x00-23
              / (%x5C "24")  ; escaped "$"
              / %x25-5B
              / (%x5C "5C")  ; escaped "\"
              / %x5D-7F
              / UTFMB

DOLLAR  = %x24 ; dollar sign ("$")
UTFMB   = UTF2 / UTF3 / UTF4
UTF1    = %x00-7F
UTF2    = %xC2-DF UTF0
UTF3    = %xE0 %xA0-BF UTF0 / %xE1-EC 2(UTF0) /
          %xED %x80-9F UTF0 / %xEE-EF 2(UTF0)
UTF4    = %xF0 %x90-BF 2(UTF0) / %xF1-F3 3(UTF0) /
          %xF4 %x80-8F 2(UTF0)
```

Example: `1234 Main St.$Anytown, CA 12345$USA`.

The syntax corresponds to the `PostalAddress` ASN.1 type:

```
PostalAddress ::= SEQUENCE SIZE(1..ub-postal-line) OF
        DirectoryString { ub-postal-string }
```

The integers `ub-postal-line` and `ub-postal-string` depend on the implementation. The syntax is defined in X.520.

OID	1.3.6.1.4.1.1466.115.121.1.41
Description	Postal Address
Origin	RFC 4517

8.38. PresentationAddress

Values of this syntax hold presentation addresses used when addressing other OSI application entities.

The syntax is described in , *A string encoding of Presentation Address*. However, this implementation treats the syntax exactly like `DirectoryString` syntax.

OID	1.3.6.1.4.1.1466.115.121.1.43
Description	Presentation Address
Origin	RFC 2252

8.39. PrintableString

Values of this syntax hold strings of one or more latin alphabetic, numeric, and selected punctuation characters as described by the following ABNF:

```
PrintableString   = 1*PrintableCharacter
PrintableCharacter = ALPHA / DIGIT / SQUOTE / LPAREN / RPAREN /
                     PLUS / COMMA / HYPHEN / DOT / EQUALS /
                     SLASH / COLON / QUESTION / SPACE
ALPHA             = %x41-5A / %x61-7A   ; "A"-"Z" / "a"-"z"
DIGIT             = %x30 / LDIGIT       ; "0"-"9"
LDIGIT            = %x31-39             ; "1"-"9"
SPACE             = %x20 ; space (" ")
SQUOTE            = %x27 ; single quote ("'")
LPAREN            = %x28 ; left paren ("(")
RPAREN            = %x29 ; right paren (")")
PLUS              = %x2B ; plus sign ("+")
COMMA             = %x2C ; comma (",")
HYPHEN            = %x2D ; hyphen ("-")
DOT               = %x2E ; period (".")
EQUALS            = %x3D ; equals sign ("=")
SLASH             = %x2F ; forward slash ("/")
COLON             = %x3A ; colon (":")
QUESTION          = %x3F ; question mark ("?")
```

The syntax corresponds to the `PrintableString` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.44
Description	Printable String
Origin	RFC 4517

8.40. ProtocolInformation

According to X.520, Values of this syntax hold protocol information for network addresses in a presentation address.

This was referenced but not defined in the LDAP specifications. As a result, this syntax is treated like that of Directory String.

OID	1.3.6.1.4.1.1466.115.121.1.42
Description	Protocol Information

Origin	RFC 2252

8.41. SubstringAssertion

Values of this syntax hold sequences of zero or more character substrings used as an argument for substring extensible matching of character string attribute values.

Such are the match values of matching rule assertions. They are not used in attribute values or in a substring filter.

Each substring is a string of one or more characters from the Universal Character Set (UCS). Zero-length substrings are not permitted.

Values follow this ABNF:

```
SubstringAssertion = [ initial ] any [ final ]

initial  = substring
any      = ASTERISK *(substring ASTERISK)
final    = substring
ASTERISK = %x2A  ; asterisk ("*")

substring           = 1*substring-character
substring-character = %x00-29
                      / (%x5C "2A")  ; escaped "*"
                      / %x2B-5B
                      / (%x5C "5C")  ; escaped "\"
                      / %x5D-7F
                      / UTFMB

UTFMB    = UTF2 / UTF3 / UTF4
UTF1     = %x00-7F
UTF2     = %xC2-DF UTF0
UTF3     = %xE0 %xA0-BF UTF0 / %xE1-EC 2(UTF0) /
           %xED %x80-9F UTF0 / %xEE-EF 2(UTF0)
UTF4     = %xF0 %x90-BF 2(UTF0) / %xF1-F3 3(UTF0) /
           %xF4 %x80-8F 2(UTF0)
```

The syntax corresponds to the `SubstringAssertion` ASN.1 type defined in X.520.

OID	1.3.6.1.4.1.1466.115.121.1.58
Description	Substring Assertion
Origin	RFC 4517

8.42. SubtreeSpecification

OID	1.3.6.1.4.1.1466.115.121.1.45

Description	Subtree Specification

8.43. SunDefinedAccessControlInformation

Values of this syntax hold Access Control Instructions (ACI). See the directory documentation for details.

OID	1.3.6.1.4.1.26027.1.3.4
Description	Sun-defined Access Control Information

8.44. SupportedAlgorithm

Values of this syntax hold X.509 `SupportedAlgorithm`s, as described in X.509, clause 11.2.7.

Request values using the binary option for the attribute description, such as `supportedAlgorithms;binary`.

Values of this syntax and the form of each value must be preserved as presented to avoid corrupting the digital signature.

OID	1.3.6.1.4.1.1466.115.121.1.49
Description	Supported Algorithm
Origin	RFC 4523

8.45. TelephoneNumber

Values of this syntax hold telephone numbers, strings of printable characters, as in `PrintableString`, that comply with the internationally agreed format for representing international telephone numbers.

Examples: `+1 415 555 1212`, `+1-415-555-1212`.

The syntax corresponds to the following ASN.1 type from X.520:

```
PrintableString (SIZE(1..ub-telephone-number))
```

The integer value of `ub-telephone-number` depends on the implementation.

OID	1.3.6.1.4.1.1466.115.121.1.50
Description	Telephone Number

Origin	RFC 4517

8.46. TeletexTerminalIdentifier

Values of this syntax hold identifiers and, optionally, parameters of teletex terminals.

Values follow this ABNF:

```
teletex-id = ttx-term *(DOLLAR ttx-param)
ttx-term   = PrintableString        ; terminal identifier
ttx-param  = ttx-key COLON ttx-value ; parameter
ttx-key    = "graphic" / "control" / "misc" / "page" / "private"
ttx-value  = *ttx-value-octet
ttx-value-octet = %x00-23
                / (%x5C "24")  ; escaped "$"
                / %x25-5B
                / (%x5C "5C")  ; escaped "\"
                / %x5D-FF

DOLLAR            = %x24 ; dollar sign ("$")
PrintableString   = 1*PrintableCharacter
PrintableCharacter = ALPHA / DIGIT / SQUOTE / LPAREN / RPAREN /
                     PLUS / COMMA / HYPHEN / DOT / EQUALS /
                     SLASH / COLON / QUESTION / SPACE
ALPHA             = %x41-5A / %x61-7A    ; "A"-"Z" / "a"-"z"
DIGIT             = %x30 / LDIGIT        ; "0"-"9"
LDIGIT            = %x31-39              ; "1"-"9"
SPACE             = %x20 ; space (" ")
SQUOTE            = %x27 ; single quote ("'")
LPAREN            = %x28 ; left paren ("(")
RPAREN            = %x29 ; right paren (")")
PLUS              = %x2B ; plus sign ("+")
COMMA             = %x2C ; comma (",")
HYPHEN            = %x2D ; hyphen ("-")
DOT               = %x2E ; period (".")
EQUALS            = %x3D ; equals sign ("=")
SLASH             = %x2F ; forward slash ("/")
COLON             = %x3A ; colon (":")
QUESTION          = %x3F ; question mark ("?")
```

The syntax corresponds to the `TeletexTerminalIdentifier` ASN.1 type defined in X.520.

OID	1.3.6.1.4.1.1466.115.121.1.51
Description	Teletex Terminal Identifier
Origin	RFC 4517

8.47. TelexNumber

Values of this syntax hold the telex number, country code, and answerback code of a telex terminal.

The syntax follows this ABNF:

```
telex-number  = actual-number DOLLAR country-code DOLLAR answerback
actual-number = PrintableString
country-code  = PrintableString
answerback    = PrintableString

DOLLAR            = %x24 ; dollar sign ("$")
PrintableString   = 1*PrintableCharacter
PrintableCharacter = ALPHA / DIGIT / SQUOTE / LPAREN / RPAREN /
                     PLUS / COMMA / HYPHEN / DOT / EQUALS /
                     SLASH / COLON / QUESTION / SPACE
ALPHA             = %x41-5A / %x61-7A   ; "A"-"Z" / "a"-"z"
DIGIT             = %x30 / LDIGIT       ; "0"-"9"
LDIGIT            = %x31-39             ; "1"-"9"
SPACE             = %x20 ; space (" ")
SQUOTE            = %x27 ; single quote ("'")
LPAREN            = %x28 ; left paren ("(")
RPAREN            = %x29 ; right paren (")")
PLUS              = %x2B ; plus sign ("+")
COMMA             = %x2C ; comma (",")
HYPHEN            = %x2D ; hyphen ("-")
DOT               = %x2E ; period (".")
EQUALS            = %x3D ; equals sign ("=")
SLASH             = %x2F ; forward slash ("/")
COLON             = %x3A ; colon (":")
QUESTION          = %x3F ; question mark ("?")
```

The syntax corresponds to the `TelexNumber` ASN.1 type, defined in X.520.

OID	1.3.6.1.4.1.1466.115.121.1.52
Description	Telex Number
Origin	RFC 4517

8.48. UserPassword

Values of this syntax hold user passwords in encoded form.

A value is formatted as *{scheme}encoded-value*, where the *scheme* is the password storage scheme, and *encoded-value* is the value encoded or hashed according to the storage scheme.

Cleartext passwords are octet strings.

OID	1.3.6.1.4.1.26027.1.3.1
Description	User Password
Origin	OpenDS Directory Server

8.49. UTCTime

Values of this syntax hold character strings representing a date and time to a precision of one minute or one second.

This syntax is deprecated. For new attributes, use `GeneralizedTime` instead.

The syntax follows this ABNF:

```
UTCTime         = year month day hour minute [ second ] [ u-time-zone ]
u-time-zone     = %x5A                          ; "Z"
                  / u-differential
u-differential  = ( MINUS / PLUS ) hour minute

century = 2(%x30-39)                             ; "00" to "99"
year    = 2(%x30-39)                             ; "00" to "99"
month   = ( %x30 %x31-39 )                       ; "01" (January) to "09"
          / ( %x31 %x30-32 )                     ; "10" to "12"
day     = ( %x30 %x31-39 )                       ; "01" to "09"
          / ( %x31-32 %x30-39 )                  ; "10" to "29"
          / ( %x33 %x30-31 )                     ; "30" to "31"
hour    = ( %x30-31 %x30-39 ) / ( %x32 %x30-33 ) ; "00" to "23"
minute  = %x30-35 %x30-39                        ; "00" to "59"

second     = ( %x30-35 %x30-39 )                 ; "00" to "59"
leap-second = ( %x36 %x30 )                      ; "60"

fraction        = ( DOT / COMMA ) 1*(%x30-39)
MINUS           = %x2D                           ; minus sign ("-")
PLUS            = %x2B                           ; plus sign ("+")
```

Where the ABNF allows invalid times, such as Feb. 31, 2017, the values are considered invalid.

When the "Z" form of the time zone is used, the time value represents universal coordinated time. Otherwise, it represents a local time in the time zone indicated by the `u-differential`.

The syntax corresponds to the `UTCTime` ASN.1 type.

OID	1.3.6.1.4.1.1466.115.121.1.53
Description	UTC Time
Origin	RFC 4517

8.50. UUID

Values of this syntax hold 16-octet (128-bit) strings, constrained to the namespace specified in , that identify an object. Values are encoded using the ASCII representation.

Example: `597ae2f6-16a6-1027-98f4-d28b5365dc14`.

OID	1.3.6.1.1.16.1
Description	UUID
Origin	RFC 4530