

LDAP definitions

entry	a collection of information about an entity
attribute	holds the data for an entry
object-Class	schema elements that specify collections of attribute types that may be related to a particular type of object, process, or other entity
dn	uniquely identifies that entry and its position in the directory information tree (DIT) hierarchy
rdn	the relative portion of a distinguished name (DN)
oid	a string that is used to uniquely identify various elements in the LDAP protocol

These are taken from the manual at <https://ldap.com/basic-ldap-concepts/>

LDAP attribute types

cn	common name
name	name, same as cn
dn	distinguished name
dc	domain component
manager	manager
company	company
department	department
o	organization
ou	organizational unit
uid	user id
description	description
displayName	display name
givenName	first name
sn	surname
title	job title
location	location
l	location
streetAddress	first line of address
postalCode	zip code

LDAP attribute types (cont)

c	country
st	state
homephone	home phone number
mobile	mobile phone number
telephoneNumber	office phone number

There are many more available attribute types, consult your LDAP software's manual

Filter Structure

()	each component of the search filter is enclosed in parenthesis
(attribute=value)	the specified attribute must match the specified value
(attribute=*)	* is a wildcard and will match anything
(attribute=va*e)	wildcards can be anywhere in the string
(attribute=*)	this verifies the attribute exists at all
(attribute>=10)	the specified attribute must be larger than 10
(attribute<=10)	the specified attribute must be less than 10
(attribute~value)	the specified attribute must be like the value, this has no formal standard and each server may implement it differently
(& (...))	must match all entries
((...))	must match at least one entry
(! (...))	negates the result, true becomes false and false becomes true

Example filters

(& (ou=research) (! (c=us)))	entries where the organizational unit is research and the country is not the united states
((telephoneNumbe- r=555*) (mobileNumbe- r=555*))	entries where the telephone number starts with 555 or the mobile number starts with 555
(& ((location=riven) (postalcode=55893)) (title=manager))	entries where either the location is riven or the post code is 55893 and the job title is manager

C

By **pamymaf**

cheatography.com/pamymaf/

Published 14th July, 2022.

Last updated 14th July, 2022.

Page 2 of 2.

Sponsored by **Readable.com**

Measure your website readability!

<https://readable.com>