Rocky Enterprise Linux 9.2 Manual Pages on command 'ldapcompare.1'

$ man ldapcompare.1

LDAPCOMPARE(1)   General Commands Manual   LDAPCOMPARE(1)

NAME

    ldapcompare - LDAP compare tool

SYNOPSIS

    ldapcompare   [-V[V]] [-d debuglevel] [-n] [-v] [-z] [-M[M]] [-x] [-D binddn] [-W]

    [-w passwd]   [-y passwdfile]   [-H ldapuri]   [-P {2|3}]   [-e [!]ext[=extparam]]

    [-E [!]ext[=extparam]] [-o opt[=optparam]] [-O security-properties] [-I] [-Q] [-N] [-U au?

    thcid] [-R realm] [-X authzid] [-Y mech] [-Z[Z]] DN {attr:value | attr::b64value}

DESCRIPTION

    ldapcompare is a shell-accessible interface to the ldap_compare_ext(3) library call.

    ldapcompare opens a connection to an LDAP server, binds, and performs a compare using

    specified parameters.   The DN should be a distinguished name in the directory. Attr

    should be a known attribute. If followed by one colon, the assertion value should be pro?

    vided as a string. If followed by two colons, the base64 encoding of the value is pro?

    vided. The result code of the compare is provided as the exit code and, unless ran with

    -z, the program prints TRUE, FALSE, or UNDEFINED on standard output.

OPTIONS

    -V[V] Print version info. If -VV is given, only the version information is printed.

    -d debuglevel

        Set the LDAP debugging level to debuglevel. ldapcompare must be compiled with

        LDAP_DEBUG defined for this option to have any effect.

    -n   Show what would be done, but don't actually perform the compare. Useful for debug?

        ging in conjunction with -v.

-v   Run in verbose mode, with many diagnostics written to standard output.

-z   Run in quiet mode, no output is written. You must check the return status. Useful

       in shell scripts.

-M[M] Enable manage DSA IT control. -MM makes control critical.

-x   Use simple authentication instead of SASL.

-D binddn

       Use the Distinguished Name binddn to bind to the LDAP directory. For SASL binds,

       the server is expected to ignore this value.

-W   Prompt for simple authentication. This is used instead of specifying the password

       on the command line.

-w passwd

       Use passwd as the password for simple authentication.

-y passwdfile

       Use complete contents of passwdfile as the password for simple authentication.

       Note that complete means that any leading or trailing whitespaces, including new?

       lines, will be considered part of the password and, unlike other software, they

       will not be stripped. As a consequence, passwords stored in files by commands like

       echo(1) will not behave as expected, since echo(1) by default appends a trailing

       newline to the echoed string. The recommended portable way to store a cleartext

       password in a file for use with this option is to use slappasswd(8) with {CLEART?

       EXT} as hash and the option -n.

-H ldapuri

       Specify URI(s) referring to the ldap server(s); only the protocol/host/port fields

       are allowed; a list of URI, separated by whitespace or commas is expected.

-P {2|3}

       Specify the LDAP protocol version to use.

-e [!]ext[=extparam]

-E [!]ext[=extparam]

       Specify general extensions with -e and compare extensions with -E.   ?!? indicates

       criticality.

       General extensions:

        [!]assert=<filter>   (an RFC 4515 Filter)

        !authzid=<authzid>   ("dn:<dn>" or "u:<user>")

[!]bauthzid   (RFC 3829 authzid control)

[!]chaining[=<resolve>[/<cont>]]

[!]manageDSAit

[!]noop

ppolicy

[!]postread[=<attrs>] (a comma-separated attribute list)

[!]preread[=<attrs>] (a comma-separated attribute list)

[!]relax

sessiontracking[=<username>]

abandon,cancel,ignore (SIGINT sends abandon/cancel,

or ignores response; if critical, doesn't wait for SIGINT.

not really controls)

Compare extensions:

!dontUseCopy

-o opt[=optparam]

Specify any ldap.conf(5) option or one of the following:

nettimeout=<timeout> (in seconds, or "none" or "max")

ldif_wrap=<width>   (in columns, or "no" for no wrapping)

-O security-properties

Specify SASL security properties.

-I   Enable SASL Interactive mode. Always prompt. Default is to prompt only as needed.

-Q   Enable SASL Quiet mode. Never prompt.

-N   Do not use reverse DNS to canonicalize SASL host name.

-U authcid

Specify the authentication ID for SASL bind. The form of the ID depends on the ac?

tual SASL mechanism used.

-R realm

Specify the realm of authentication ID for SASL bind. The form of the realm depends

on the actual SASL mechanism used.

-X authzid

Specify the requested authorization ID for SASL bind. authzid must be one of the

following formats: dn:<distinguished name> or u:<username>

-Y mech

Specify the SASL mechanism to be used for authentication. If it's not specified,

the program will choose the best mechanism the server knows.

-Z[Z] Issue StartTLS (Transport Layer Security) extended operation. If you use -ZZ, the

command will require the operation to be successful.

EXAMPLES

ldapcompare "uid=babs,dc=example,dc=com" sn:Jensen

ldapcompare "uid=babs,dc=example,dc=com" sn::SmVuc2Vu

are all equivalent.

LIMITATIONS

Requiring the value be passed on the command line is limiting and introduces some security

concerns.   The command should support a mechanism to specify the location (file name or

URL) to read the value from.

SEE ALSO

ldap.conf(5), ldif(5), ldap(3), ldap_compare_ext(3)

AUTHOR

The OpenLDAP Project <http://www.openldap.org/>

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dap.org/>. OpenLDAP Software is derived from the University of Michigan LDAP 3.3 Release.

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