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LDAPMODIFY(1)

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## NAME

ldapmodify, ldapadd - LDAP modify entry and LDAP add entry tools

## SYNOPSIS

```
ldapmodify [-V[V]] [-d debuglevel] [-n] [-v] [-a] [-c] [-f file]
[-S file] [-M[M]] [-x] [-D binddn] [-W] [-w passwd] [-y passwdfile]
[-H ldapuri] [-h ldaphost] [-p ldapport] [-P {2|3}]
[-e [!]ext[=extparam]] [-E [!]ext[=extparam]] [-o opt[=optparam]]
[-O security-properties] [-I] [-Q] [-N] [-U authcid] [-R realm]
[-X authzid] [-Y mech] [-Z[Z]]
```

```
ldapadd [-V[V]] [-d debuglevel] [-n] [-v] [-c] [-f file] [-S file]
[-M[M]] [-x] [-D binddn] [-W] [-w passwd] [-y passwdfile] [-H ldapuri]
[-h ldaphost] [-p ldapport] [-P {2|3}] [-e [!]ext[=extparam]]
[-E [!]ext[=extparam]] [-o opt[=optparam]] [-O security-properties]
[-I] [-Q] [-N] [-U authcid] [-R realm] [-X authzid] [-Y mech] [-Z[Z]]
```

## DESCRIPTION

ldapmodify is a shell-accessible interface to the [ldap\\_add\\_ext\(3\)](#), [ldap\\_modify\\_ext\(3\)](#), [ldap\\_delete\\_ext\(3\)](#) and [ldap\\_rename\(3\)](#) library calls. ldapadd is implemented as a hard link to the ldapmodify tool. When invoked as ldapadd the -a (add new entry) flag is turned on automatically.

ldapmodify opens a connection to an LDAP server, binds, and modifies or adds entries. The entry information is read from standard input or from file through the use of the -f option.

## 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. ldapmodify must be compiled with LDAP\_DEBUG defined for this option to have any effect.
- n Show what would be done, but don't actually modify entries. Useful for debugging in conjunction with -v.
- v Use verbose mode, with many diagnostics written to standard output.
- a Add new entries. The default for ldapmodify is to modify existing entries. If invoked as ldapadd, this flag is always set.
- c Continuous operation mode. Errors are reported, but ldapmodify will continue with modifications. The default is to exit after reporting an error.

-f file  
Read the entry modification information from file instead of from standard input.

-S file  
Add or change records which were skipped due to an error are written to file and the error message returned by the server is added as a comment. Most useful in conjunction with -c.

-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.

-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.

-h ldaphost  
Specify an alternate host on which the ldap server is running. Deprecated in favor of -H.

-p ldapport  
Specify an alternate TCP port where the ldap server is listening. Deprecated in favor of -H.

-P {2|3}  
Specify the LDAP protocol version to use.

-e [!]ext[=extparam]  
-E [!]ext[=extparam]

Specify general extensions with -e and modify 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
abandon,cancel,ignore (SIGINT sends abandon/cancel,
or ignores response; if critical, doesn't wait for SIGINT.
not really controls)
```

```

    Modify extensions:
        [!]txn[=abort|commit]

-o opt[=optparam]]

    Specify general options.

    General options:
        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 actual 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.

```

#### INPUT FORMAT

The contents of file (or standard input if no -f flag is given on the command line) must conform to the format defined in [ldif\(5\)](#) (LDIF as defined in RFC 2849).

#### EXAMPLES

Assuming that the file /tmp/entrymods exists and has the contents:

```

dn: cn=Modify Me,dc=example,dc=com
changetype: modify
replace: mail
mail: modme@example.com
-
add: title
title: Grand Poobah
-
add: jpegPhoto
jpegPhoto:< file:///tmp/modme.jpeg
-
delete: description
-

```

the command:

```
ldapmodify -f /tmp/entrymods
```

will replace the contents of the "Modify Me" entry's mail attribute with the value "modme@example.com", add a title of "Grand Poobah", and the contents of the file "/tmp/modme.jpeg" as a jpegPhoto, and completely remove the description attribute.

Assuming that the file /tmp/newentry exists and has the contents:

```
dn: cn=Barbara Jensen,dc=example,dc=com
objectClass: person
cn: Barbara Jensen
cn: Babs Jensen
sn: Jensen
title: the world's most famous mythical manager
mail: bjensen@example.com
uid: bjensen
```

the command:

```
ldapadd -f /tmp/newentry
```

will add a new entry for Babs Jensen, using the values from the file /tmp/newentry.

Assuming that the file /tmp/entrymods exists and has the contents:

```
dn: cn=Barbara Jensen,dc=example,dc=com
changetype: delete
```

the command:

```
ldapmodify -f /tmp/entrymods
```

will remove Babs Jensen's entry.

#### DIAGNOSTICS

Exit status is zero if no errors occur. Errors result in a non-zero exit status and a diagnostic message being written to standard error.

#### SEE ALSO

[ldapadd\(1\)](#), [ldapdelete\(1\)](#), [ldapmodrdn\(1\)](#), [ldapsearch\(1\)](#), [ldap.conf\(5\)](#), [ldap\(3\)](#), [ldap\\_add\\_ext\(3\)](#), [ldap\\_delete\\_ext\(3\)](#), [ldap\\_modify\\_ext\(3\)](#), [ldap\\_modrdn\\_ext\(3\)](#), [ldif\(5\)](#).

#### AUTHOR

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

#### ACKNOWLEDGEMENTS

OpenLDAP Software is developed and maintained by The OpenLDAP Project <<http://www.openldap.org/>>. OpenLDAP Software is derived from University of Michigan LDAP 3.3 Release.

OpenLDAP 2.4.44

2016/02/05

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