

**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*] [-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*] [-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.

**-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[=<username>]
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 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 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)**, **ldapssearch(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/>>

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