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), **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).

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