NAME
   ldapvc - LDAP verify credentials tool

SYNOPSIS
   ldapvc [**-V**[**V**]] [**-d** *debuglevel*] [**-a**] [**-b**] [**-n**] [**-v**] [**-x**] [**-D** *binddn*] [**-W**] [**-w** *passwd*] [**-y** *passwdfile*]
   [**-H** *ldapuri*] [**-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**]] *Distinguished Name*
   [Credentials]

DESCRIPTION
   ldapvc implements the LDAP "Verify Credentials" extended operation.

   Verify Credentials operation behaves like LDAP Bind but has no impact upon the underlying LDAP
   session.

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*. **ldapvc** must be compiled with LDAP_DEBUG
      defined for this option to have any effect.

   -a   Print the authzID resulting from a successful verification of credentials.

   -b   Print the results from the ppolicy control after verification of credentials.

   -n   Show what would be done, but don't actually perform the operation. Useful for debugging in
            conjunction with **-v**.

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

   -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.

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

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

    Specify general extensions with **-e** and Verify Credentials extensions with **-E**. '**!**' indicates
    criticality.

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

    Verify Credentials extensions:

    The following options set SASL params on the Verify Credentials request:
     authcid=<authcid>   (SASL Authentication Identity "dn:<dn>" or "u:<user>")
     authzid=<authzid>   (SASL Authorization Identity "dn:<dn>" or "u:<user>")
     mech=<mech>   (SASL mechanism default e.g. Simple)
     realm=<realm>   (SASL Realm, defaults to none)
     sasl=a[utomatic]|i[nteractive]|q[uiet] (SASL mode defaults to automatic if any other -E option provided, otherwis

      secprops=<secprops> (SASL Security Properties)

-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 option that can be passed here, check **ldap.conf**(5) for details.

-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.

EXAMPLE

ldapvc -x "uid=Alice,ou=People,dc=example,dc=com"

SEE ALSO

ldap.conf(5), **ldap**(3), **ldap_extended_operation**(3)

AUTHOR

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

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<http://www.openldap.org/>. **OpenLDAP Software** is derived from the University of Michigan LDAP
3.3 Release.