



Patch P410L-00B README for IBM Directory Server 4.1 Linux i386 Installations



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Patch P410L-00B

Patch: P410L-00B

Date: August 28, 2002

IBM® Directory Server Version 4.1 (128-bit Encryption Server Installations)

General description

The Patch contains fixes for a single problems encountered in IBM Directory Server Version 4.1. The APAR number for the problem is listed in **Problems fixed**. Refer to the specific APAR for more detail.

For information on changes and fixes that occurred after the product documentation had been translated, see the *IBM Directory Server Version 4.1 README Addendum*. This file is in English only. This file can also be found on the IBM Directory Server Library Web page using a link from <http://www-3.ibm.com/software/network/directory/library>. You can get to the latest information here:
<http://www-3.ibm.com/software/network/directory/library/v41/addendum41.pdf>

Problems fixed

New fixes in P410L-00B

APAR IR48934 (CMVC 73905)

The LDAP client library abends when attempting to send a search request which includes an incorrectly structured filter composed of an imbalanced set of open and closed parentheses.

APAR IR48780 (CMVC 72035)

When Access Manager performs an authentication, it has been determined that there is a memory leak on each occurrence.

APAR IR48750 (CMVC 73165)

ldap_create_page_control() and ldap_parse_page_control() does not work correctly in Directory 4.1

APAR IR48847 (CMVC 73322)

LDAP Client dies processing SHA encrypted userPassword value

Platforms

SuSE Linux 7.2 or higher, or Turbolinux 6.5 or higher.

Dependencies

IBM Directory 4.1 must be installed.

Red Hat Linux 7.1 or higher, SuSE Linux 7.2 or higher, or Turbolinux 6.5.

Refer to *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms* for additional patch requirements. See the IBM Directory Server 4.1 library at <http://www-4.ibm.com/software/network/directory/library>.

The installation requires the following package:

P410L-00B.rpm

DB2 Universal Database™ version 7.2 FixPack 5 or higher.

Files replaced or added by this Patch

With \$INSTALL_DIR representing the root of the LDAP installation, the files replaced are:

```
$INSTALL_DIR/lib/libibmldap.a
$INSTALL_DIR/lib/libibmldapn.a
$INSTALL_DIR/lib/libldapstatic.a
$INSTALL_DIR/lib/libldapstaticn.a
```

The default for \$INSTALL_DIR is /usr/ldap.

Patch contents

The archive for this Patch is named P410L-00B.tar.Z. The archive for this Patch includes:

- This README file
- The file lib/libibmldap.a
- The file lib/libibmldapn.a
- The file lib/libldapstatic.a
- The file lib/libldapstaticn.a
- The file bin/P410L-00B.txt

Applying the Patch

Note: Your replication environment must be cleaned or resynched, or both. See Chapter 7, "Replication," of the *IBM Directory Server Version 4.1: Administration Guide* at:

[http://www-](http://www-3.ibm.com/software/network/directory/library/publications/41/config/admin_gd.pdf)

[3.ibm.com/software/network/directory/library/publications/41/config/admin_gd.pdf](http://www-3.ibm.com/software/network/directory/library/publications/41/config/admin_gd.pdf)

1. Extract the Patch contents into a temporary directory. For the purpose of this release note, assume that the symbol \$TEMP points to the following directory:

```
# cd $TEMP
# tar -xvf P410L-00B.tar.Z
```

2. For each of the master and slave server installations targeted to receive the Patch, make sure the servers are stopped prior to applying the Patch.
3. Replace the installed version of each file with the version included in the Patch. Move the currently installed file to a location outside of the LDAP installation filesystem or rename the currently installed file. Copy the extracted files to the correct locations in the install folder. The install version locations for each file are:

```
$INSTALL_DIR/lib/libibmldap.a
$INSTALL_DIR/lib/libibmldapn.a
$INSTALL_DIR/lib/libldapstatic.a
$INSTALL_DIR/lib/libldapstaticn.a
$INSTALL_DIR/bin/P410L-00B.txt
```

Again, the default for \$INSTALL_DIR is /usr/ldap.

4. Assign the correct owner, group, and permissions to the replaced files. Assume \$OWNER is the owner value in the installation files, and \$GROUP is the group value. The value for \$GROUP for all files is ldap.

```
# chown $OWNER <file>
# chgrp $GROUP <file>
```

The permissions on the files must be set according to the following guide:

```
# chmod <permissions> <file>
$INSTALL_DIR/lib/libibldap.a          755
$INSTALL_DIR/lib/libibldapn.a         755
$INSTALL_DIR/lib/libldapstatic.a      755
$INSTALL_DIR/lib/libldapstaticn.a     755
$INSTALL_DIR/bin/P410L-00B.txt        644
```

5. Start each of the replica and master servers.

Confirming the Patch has been applied successfully

The Patch has been applied successfully if all files included in the Patch have replaced the pre-Patch files of the same names. If after applying the Patch, any facility making use of the SDK has degraded function as compared to its pre-fix operation, please notify IBM Directory Server Version 4.1 support personnel.

Below is some relevant information on the replacement files:

```
- Filesize for usr/ldap/lib/libibldap.a      is 1056306
- Filesize for usr/ldap/lib/libibldapn.a    is 1005685
- Filesize for usr/ldap/lib/libldapstatic.a is 3387770
- Filesize for usr/ldap/lib/libldapstaticn.a is 3218752
- sum -r usr/ldap/lib/libibldap.a          results are: 56475 xxxx
- sum -r usr/ldap/lib/libibldapn.a         results are: 03464 xxxx
- sum -r usr/ldap/lib/libldapstatic.a      results are: 61605 xxxx
- sum -r usr/ldap/lib/libldapstaticn.a     results are: 00831 xxxx
```

Each xxxx represents the number of blocks used by the file. This number is filesystem format dependent.

The contents of the bin/P410L-00B.txt file are:

```
IBM Directory      Release: aus41ldap  Build: 020731a
```




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