



**Patch P410L-02D README for IBM  
Directory Server 4.1 for the Linux i386  
operating system**





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Directory Server 4.1 for the Linux i386  
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**Note**

Before using this information and the product it supports, read the general information under "Notices", on page 5.

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# Contents

<b>Patch P410L-02D . . . . .</b>	<b>1</b>
General description . . . . .	1
Problems fixed. . . . .	1
New fixes in P410L-02D . . . . .	1
Platforms . . . . .	1
Dependencies . . . . .	2
Patch contents . . . . .	2
Applying the patch . . . . .	2

Uninstalling the patch . . . . .	3
Confirming the patch has been applied successfully. . . . .	3
<b>Appendix. Notices . . . . .</b>	<b>5</b>
Trademarks. . . . .	6



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## Patch P410L-02D

Patch: P410L-02D

Date: April, 2003

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

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### General description

The patch contains fixes for 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 be found on the IBM Directory Server Library Web page using a link from <http://www.ibm.com/software/network/directory/library>

You can get to the latest information here:

<http://www.ibm.com/software/network/directory/library/v41/addendum41.pdf>

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### Problems fixed

#### New fixes in P410L-02D

**APAR IR50946 (CMVC Defect 78185) - IBM Directory Server might terminate when a bind is attempted with very long password.**

If you bind as a user whose password is encrypted using SHA encryption and the password that you use to bind is very long, the IBM Directory Server might terminate.

**APAR IY42038 (CMVC Defect 78123) - The IBM Directory Server abends while performing anonymous searches.**

If `cn=authenticated` is defined in an `acl`, and an anonymous search is performed, it is possible for the server to abend.

#### Platforms

The IBM Directory Server Version 4.1 is supported on the following distribution levels of the Linux Operating System:

- SuSE Linux 7.2 or higher maintenance levels of version 7.2.
- RedHat Linux 7.1 or higher maintenance levels of 7.1.
- Turbolinux 6.5 or higher maintenance levels of 6.5.

See the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms* for additional Fix pack requirements. See the IBM Directory Server 4.1 library at

<http://www.ibm.com/software/network/directory/library>

## Dependencies

IBM Directory 4.1 with fix pack 2 must be installed.

DB2 Universal Database™ for Linux version 7.2 FixPack 5 or higher maintenance levels. (DB2®)

## Patch contents

The archive for this patch is named P410L-02D.tar.gz. The server install includes the following files:

File	bytes	sum -r
=====	=====	=====
P410L-02D.filelist.server	65	24089
P410L-02DReadme.pdf	-----	-----
\$INSTALL_DIR/lib/libback-rdbm.so	3764518	62716
\$INSTALL_DIR/bin/P410L-02D.txt	54	49710

The default for \$INSTALL\_DIR is /usr/ldap.

## Applying the patch

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

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

1. For each machine targeted to receive the patch, make sure any servers are stopped, and any client applications linked to the shared libraries (including DMT) are stopped. Programs and libraries cannot be replaced while they are in use.
2. Copy the patch archive (P410L-02D.tar.gz) to a directory with sufficient free space to hold both the archive and a backup of the patched files (in case you want to uninstall the patch). You need at least 60 MB for a full server install, less if patching a client only installation. Open a command prompt and type:

```
# su
# cd {directory where P410L-02D.tar.gz is}
# export INSTALL_DIR=/usr/ldap {or alternate IDS 4.1 install directory}
# export PATCH_DIR=`pwd`
# rm P410L-02D.filelist.*
```

All remaining steps use this command prompt.

3. Determine which packages are currently installed and extract the corresponding file list from the patch archive. At the command prompt type the following to determine which packages are installed:

```
# rpm -qa | grep ldap -
```

If the result includes **ldap-server-4.1-1** or **ldap-serverd-4.1-1**, then this is a server install. Extract FP410L-02.filelist.server from the archive.

**Note:** Installing the server package also upgrades DMT and client.

```
# zcat P410L-02D.tar.gz | tar xf - P410L-02D.filelist.server
```

4. This step is optional. Backup the existing files before applying the patch in case you need to uninstall the patch:

```
# cd $INSTALL_DIR
# tar -cvf $PATCH_DIR/P410L-02D.UNDO.tar `cat $PATCH_DIR/P410L-02D.filelist.*`
# compress $PATCH_DIR/P410L-02D.UNDO.tar
```



5. Apply the patch:

```
# cd $PATCH_DIR
# mkdir tmp
# cd tmp
# zcat ../P410L-02D.tar.gz | tar xf - `cat ../P410L-02D.filelist.*`
# cp -r * $INSTALL_DIR
# cd ..
# rm -rf tmp
```

## Uninstalling the patch

This can only be done if you made a backup before installing the patch (see step 4 on page 2, in the previous procedure). If so, then you can uninstall the patch by deleting `$INSTALL_DIR/bin/P410L-02D*` and extracting `$PATCH_DIR/P410L-02D.UNDO.tar.gz`:

```
# cd $INSTALL_DIR
# rm bin/P410L-02D*
# zcat $PATCH_DIR/P410L-02D.UNDO.tar.gz | tar -xvf -
```

## Confirming the patch has been applied successfully

After installation, the file `$INSTALL_DIR/bin/P410L-02D.txt` contains the following:

```
IBM Directory      Release: aus411dap  Build: 030325a
```

All the files listed in `$PATCH_DIR/P410L-02D.filelist.*` match the files sizes and checksums listed in “Patch contents” on page 2.



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## Appendix. Notices

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