



**Patch P510T-00C README for IBM
Directory Server 5.1 for the Linux S/390
operating system**



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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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Patch P510T-00C

Patch: P510T-00C

Date: March, 2003

IBM® Directory Server Version 5.1 (128-bit Encryption Installations)

General description

The patch contains fixes for problems encountered in IBM Directory Server Version 5.1. 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 5.1 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:

<ftp://ftp.software.ibm.com/software/network/directory/library/v51/addendum51.pdf>

Problems fixed

New fixes in P510T-00C

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.

Platforms

The IBM Directory Server Version 5.1 is supported on the following distribution levels of the Linux Operating System:

- Red Hat Linux 7.1 for Linux S/390® or higher maintenance levels of version 7.1.
- SuSE Linux 7.0 for Linux S/390 or higher maintenance levels of version 7.0.
- Turbolinux 6.5 for Linux S/390 or higher maintenance levels of 6.5.

See the *IBM Directory Server Version 5.1 Installation and Configuration Guide for Multiplatforms* for additional fix pack requirements. See the IBM Directory Server 5.1 library at

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

Dependencies

IBM Directory 5.1 must be installed.

DB2 Universal Database™ for Linux S/390 version 8.1 Workgroup Server Edition (DB2®) or DB2 version 7.2 with FixPak 5 or higher maintenance levels of DB2.

Refer to the *IBM Directory Server Version 5.1 Installation and Configuration Guide* for additional fix pack or patch requirements. See the IBM Directory 5.1 library at <http://www.ibm.com/software/network/directory/library>

Patch contents

The archive for this patch is named P510T-00C.tar.gz. The server install includes the following files:

File	bytes	sum -r
-----	-----	-----
P510T-00C.filelist.server	65	05945
P510T-00CReadme.pdf	-----	-----
\$INSTALL_DIR/lib/libback-rdbm.so	1200645	14110
\$INSTALL_DIR/bin/P510T-00C.txt	54	21550

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 5.1: Administration Guide* at:

ftp://ftp.software.ibm.com/software/network/directory/library/v51/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 (P510T-00C.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 P510T-00C.tar.gz is}
# export INSTALL_DIR=/usr/ldap {or alternate IDS 5.1 install directory}
# export PATCH_DIR=`pwd`
# rm P510T-00C.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-5.1-1** or **ldap-serverd-5.1-1**, then this is a server install. Extract P510T-00C.filelist.server from the archive.

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

```
# zcat P510T-00C.tar.gz | tar xf - P510T-00C.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/P510T-00C.UNDO.tar `cat $PATCH_DIR/P510T-00C.filelist.*`
# compress $PATCH_DIR/P510T-00C.UNDO.tar
```

5. Apply the patch:


```
# cd $PATCH_DIR
# mkdir tmp
# cd tmp
# zcat ../P510T-00C.tar.gz | tar xf - `cat ../P510T-00C.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, above). If so, then you can uninstall the patch by deleting `$INSTALL_DIR/bin/P510T-00C*` and extracting `$PATCH_DIR/P510T-00C.UNDO.tar.gz`:

```
# cd $INSTALL_DIR
# rm bin/P510T-00C*
# zcat $PATCH_DIR/P510T-00C.UNDO.tar.gz | tar -xvf -
```

Confirming the patch has been applied successfully

After installation, the file `$INSTALL_DIR/bin/P510T-00C.txt` contains the following:

```
IBM Directory      Release: aus511dap  Build: 030312a
```

All the files listed in `$PATCH_DIR/P510T-00C.filelist.*` match the files sizes and checksums listed in “Patch contents” on page 2.

Appendix. Notices

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