

Patch P322W-02C README for IBM Directory Server 3.2.2 for Windows Operating Systems



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Note

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

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Patch P322W-02C

Patch: P322W-02C

Date: March, 2003

IBM® Directory Server Version 3.2.2 (128-bit Encryption Installations)

General description

The patch contains fixes for problems encountered in IBM Directory Server Version 3.2.2. 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 SecureWay*® *Directory version 3.2.2 for Windows NT*® *and Windows*® 2000 *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.ibm.com/software/network/directory/library/previous.html

You can get to the latest information here:

http://www.ibm.com/software/network/directory/library/v322/addendum322.pdf

Problems fixed

New fixes in P322W-02C

APAR IR50068 (CMVC Defect 77479) - 3.2.2 returns attributes with blank values where 3.1.1.5 did not.

If you use the Directory Management Tool (DMT) to manage an entry and put blank spaces into the attribute value fields. When you dump the entry to an LDIF file using **db2ldif** command or the **ldapsearch** command with the **-L** option, you see unexpected characters such as "ICAg" and "ICA=" and "IA==" for the value of the attribute.

APAR IR50946 (CMVC Defect 78185) - IBM SecureWay Directory 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 SecureWay Directory might terminate.

APAR IR50956 (CMVC Defect 77585) -Members do not show up in groups after migrating from 3.2.1 to 3.2.2.

The currently documented method of migrating an IBM SecureWay Directory Server from version 3.2.1 to 3.2.2 needs to be changed.

There are two ways to perform the migration.

Method one:

This method provides several benefits. You have a backup copy of your data and the data is loaded into the new group formats which provides better support for large groups and better performance.

- 1. Export your data into an ldif file using the db2ldif command.
- 2. Migrate the server to version 3.2.2.
- 3. Import the data back into your database using the ldif2db command.

Method two:

Patch P322A-02C (see note) enables your pre-3.2.2 data to coexist with the 3.2.2 new group format without being corrupted.

- 1. Migrate directly from version 3.2.1 to 3.2.2. (A db2ldif backup is always recommended.)
- 2. Before running the server, apply mandatory patch P322A-02C.

Platforms

Microsoft® Windows NT 4.0 with Service Pack 4 or higher maintanence level of 4.0, and Windows 2000.

Dependencies

IBM Directory Server 3.2.2 with fix pack 2 must be installed.

Refer to IBM SecureWay Directory Version 3.2.2 for Windows NT and Windows 2000 Installation and Configuration Guide for additional patch requirements. See the IBM Directory Server 3.2.2 library at

http://www.ibm.com/software/network/directory/library/previous.html

See the IBM SecureWay Directory version 3.2.2 README Addendum at http://www.ibm.com/software/network/directory/library/v322/addendum322.pdf

Patch contents

The archive for this patch is named P322W-02C.zip. The archive for this patch includes:

The file P322W-02CReadme.pdf The file bin\libback-rdbm.dll The file bin\P322W-02C.txt

Applying the patch

Note: Your replication environment must be cleaned or resynchronized, or both. See "Replication" under the Reference section of the IBM SecureWay Directory Version 3.2.2: Administration Helps at:

http://www.ibm.com/software/network/directory/library/publications/webadmin/parent.htm

- 1. Extract the patch contents into a scratch directory. Use an unzip utility for extraction.
- 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. Also, if this is a client only installation, make sure the applications linking to the client shared libraries have also been stopped.
- 3. Replace the installed version of each file with the version included in the patch.
 - a. Move the currently installed file to a location outside of the LDAP installation filesystem or rename the currently installed file. This prevents existing files from being overwritten by new files in the patch.

Note: If this step is not done, then you cannot return to your pre-patch

b. Copy the extracted patch files to the correct locations in the install folder. The install version locations for each file follow.

The following files are newly added file. There are no file of the same name to replace.

```
%INSTALL DIR%\bin\P322W-02C.txt
%INSTALL DIR%\bin\P322W-02CReadme.pdf
```

Replace the following file:

```
%INSTALL DIR%\bin\libback-rdbm.dll
```

Again, the default for INSTALL_DIR is C:\Program Files\IBM\LDAP.

4. Restart any application previously terminated to apply this patch.

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 the directory server cannot be restarted, or any other associated function is degraded, please notify IBM Directory Server support personnel.

The following is some relevant information on the replacement files:

```
Filesize for bin\P322W-02C.txt
Filesize for bin\libback-rdbm.dll
                                          is 761856
```

The sum command is not native to the Windows operating systems. To obtain the sum information (if required) might involve use of a Unix operating system.

```
sum -r bin\P322W-02C.txt
                                      results are: 03863
sum -r bin\libback-rdbm.dll
                                      results are: 16504
```

The contents of the bin\P322W-02C.txt file are:

IBM SecureWay Directory Release: aus3221dap Build: 030314a

Appendix.

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