



Patch P321W-05B README for SecureWay Directory 3.2.1 Windows OS Installations



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P321W-05B

Date: August 26, 2002

Patch: P321W-05B

Component: SecureWay® Directory 3.2.1 (All Installations)

General description

The archive provides a patch required to resolve a segmentation violation which can occur when the ldap client library is processing an incorrectly structured filter that has an imbalance of open and closed parentheses. Also included in the patch is a fix to the ldap client library which allows for correct handling of network errors reported from the sockets layer.

Problems fixed

Fixes provided by this patch

APAR IR48789 (CMVC 73453, 73594, 73783, 73911)

The LDAP client library does not setup the SELECT call correctly for receiving network errors occurring over a TCP connection. Included in this APAR are debug enhancements made in route to resolving the subject issue.

APAR IR48934 (CMVC 73905)

Abstract: 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 IR49059 (CMVC 73911)

The LDAP client library prematurely terminates trace output to a file. When the first unbind is processed, the trace file is closed. This is contrary to tracing a multi-threaded application which has a connection in two or more threads. The fix is to have the file remain open until the linking application terminates.

Platforms

Windows® 2000 and NT 4.0 with correct filesets and fixes. See server.txt readme packaged with the base product.

Dependencies

P321W-05B requires the SecureWay Directory 3.2.1 at the efix 5 maintenance level.

Patch contents

The filename of this archive is named P321W-05B.zip. The contents of this archive include:

- This README file
- The file bin\ldap.dll
- The file lib\ldap.lib
- The file lib\libldapstatic.lib
- The file bin\P321W-05B.txt

Applying the patch

1. Extract the files from the zip archive into a temporary folder.
2. Stop the SecureWay Directory servers, and any remaining application that uses the SecureWay Directory LDAP client library runtime which will be replaced.
3. Replace the installed version of each file with the version included in the archive. It is recommended to move or rename the currently installed file to a location outside of the LDAP installation filesystem. Then copy the extracted file to the correct location in the install folder. The install version location for the replaced file is:

```
%INSTALL_DIR%\bin\ldap.dll
%INSTALL_DIR%\lib\ldap.lib
%INSTALL_DIR%\lib\libldapstatic.lib
```

The default value for %INSTALL_DIR% is C:\Program Files\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-applied files of the same names. After applying the patch, if any facility making use of the SDK has degraded function as compared to its operation prior to application, please notify SecureWay Directory support personnel.

Below is some relevant information on the replacement files:

```
- Filesize for bin\ldap.dll           is 408576
- Filesize for lib\ldap.lib           is 222452
- Filesize for lib\libldapstatic.lib  is 2350872

- sum -r bin\ldap.dll                 results are: 21513 xxxx
- sum -r lib\ldap.lib                 results are: 42721 xxxx
- sum -r lib\libldapstatic.lib        results are: 54062 xxxx
```

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



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