



eFix 3.2.2-SWD-002 README for SecureWay Directory 3.2.2 HPUX Installations



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eFix 3.2.2-SWD-002

Date: April 30, 2002

eFix: 3.2.2-SWD-002

Component: SecureWay® Directory 3.2.2 (128-bit Encryption Installations)

General description

The eFix contains fixes for several problems encountered in SecureWay Directory 3.2.2. The APAR number for each problem is listed in the "Problems fixed" section. Refer to the specific APAR for more detail about each problem.

Problems fixed

New fixes in 3.2.2-SWD-002

APAR IR47635 (CMVC 69277)

SASL bind reports success with SSL connections even if using a keyring database label that does not reference an actual certificate.

APAR IR48029 (CMVC 70142,70236)

Allow zero length value to be sent to the client. Also, line64.c needs to set the vlen=0 on NULL attribute.

APAR IR47692 (CMVC 70361)

Add return codes to ldapssl.h.

Platforms

Install on HPUX 11.

Dependencies

SecureWay Directory 3.2.2 must be installed.

Files replaced or added by this eFix

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

```
$INSTALL_DIR/ldapadt/bin/ldapdelete  
$INSTALL_DIR/ldapadt/bin/ldapmodify  
$INSTALL_DIR/ldapadt/bin/ldapmodrdrn  
$INSTALL_DIR/ldapadt/bin/ldapsearch  
$INSTALL_DIR/ldapadt/include/ldapssl.h  
$INSTALL_DIR/ldapadt/lib/libibmldap.sl  
$INSTALL_DIR/ldapadt/lib/libibmldapd.sl  
$INSTALL_DIR/ldapadt/lib/libldapstatic.a  
$INSTALL_DIR/ldapadt/lib/libldapstaticd.a  
$INSTALL_DIR/ldapadt/lib/libldif.a  
  
$INSTALL_DIR/ldapadt/web/readme/buildno.txt
```

The default for INSTALL_DIR is /usr.

eFix contents

The archive for this eFix is named 3.2.2-SWD-002-HPX.tar. The archive for this eFix includes:

- This README file
- The file ldapadt/bin/ldapdelete
- The file ldapadt/bin/ldapmodify
- The file ldapadt/bin/ldapmodrdn
- The file ldapadt/bin/ldapsearch
- The file ldapadt/include/ldaps1.h
- The file ldapadt/lib/libibldap.sl
- The file ldapadt/lib/libibldapd.sl
- The file ldapadt/lib/libldapstatic.a
- The file ldapadt/lib/libldapstaticd.a
- The file ldapadt/lib/libldif.a

- The file ldapadt/web/readme/buildno.txt

Applying the eFix

1. Extract the eFix 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 3.2.2-SWD-002-HPX.tar
```

2. Make sure there is no process currently running which dynamically links to the \$INSTALL_DIR/ldapadt/lib/libibldap.sl library.
3. Replace the installed version of each file with the version included in the eFix. 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/ldapadt/bin/ldapdelete
$INSTALL_DIR/ldapadt/bin/ldapmodify
$INSTALL_DIR/ldapadt/bin/ldapmodrdn
$INSTALL_DIR/ldapadt/bin/ldapsearch
$INSTALL_DIR/ldapadt/include/ldaps1.h
$INSTALL_DIR/ldapadt/lib/libibldap.sl
$INSTALL_DIR/ldapadt/lib/libibldapd.sl
$INSTALL_DIR/ldapadt/lib/libldapstatic.a
$INSTALL_DIR/ldapadt/lib/libldapstaticd.a
$INSTALL_DIR/ldapadt/lib/libldif.a

$INSTALL_DIR/ldapadt/web/readme/buildno.txt (For level tracking)
```

Again, the default for INSTALL_DIR is /usr.

4. Assign desired owner and group, and the correct permissions to the replaced files. As delivered, the replacement files have both owner and group ID values of 300. If required, alter the value at this time. The replacement files also are delivered with the permissions values assigned, as following. If required, alter the current values at this time.

```
# chmod <permissions> <file>

$INSTALL_DIR/ldapadt/bin/ldapdelete          755
$INSTALL_DIR/ldapadt/bin/ldapmodify          755
$INSTALL_DIR/ldapadt/bin/ldapmodrdn          755
$INSTALL_DIR/ldapadt/bin/ldapsearch          755
$INSTALL_DIR/ldapadt/include/ldaps1.h        644
$INSTALL_DIR/ldapadt/lib/libibldap.sl        755
$INSTALL_DIR/ldapadt/lib/libibldapd.sl       755
$INSTALL_DIR/ldapadt/lib/libldapstatic.a     755
$INSTALL_DIR/ldapadt/lib/libldapstaticd.a    755
```



```
$INSTALL_DIR/ldapadt/lib/libldapstaticd.a    755
$INSTALL_DIR/ldapadt/lib/libldif.a          755
$INSTALL_DIR/ldapadt/web/readme/buildno.txt 644
```

5. At this point you can again use the facilities of the SecureWay Directory 3.2.2 SDK.

Confirming the eFix has been applied successfully

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

Below is some relevant information on the replacement files:

```
- Filesize for ldapadt/bin/ldapdelete      is    796912
- Filesize for ldapadt/bin/ldapmodify     is    836960
- Filesize for ldapadt/bin/ldapmodrdn    is    801560
- Filesize for ldapadt/bin/ldapsearch     is    834096
- Filesize for ldapadt/include/ldapssl.h  is     15677
- Filesize for ldapadt/lib/libibldap.sl   is   1080360
- Filesize for ldapadt/lib/libibldapd.sl  is   1080344
- Filesize for ldapadt/lib/libldapstatic.a is   1430652
- Filesize for ldapadt/lib/libldapstaticd.a is 1430020
- Filesize for ldapadt/lib/libldif.a     is     24532

- sum -r  ldapadt/bin/ldapdelete          results are: 12038 xxxx
- sum -r  ldapadt/bin/ldapmodify          results are: 00084 xxxx
- sum -r  ldapadt/bin/ldapmodrdn          results are: 64503 xxxx
- sum -r  ldapadt/bin/ldapsearch          results are: 16329 xxxx
- sum -r  ldapadt/include/ldapssl.h       results are: 17457 xxxx
- sum -r  ldapadt/lib/libibldap.sl        results are: 41418 xxxx
- sum -r  ldapadt/lib/libibldapd.sl       results are: 08848 xxxx
- sum -r  ldapadt/lib/libldapstatic.a     results are: 05682 xxxx
- sum -r  ldapadt/lib/libldapstaticd.a    results are: 00147 xxxx
- sum -r  ldapadt/lib/libldif.a           results are: 51103 xxxx
```

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

The contents of the web/readme/buildno.txt file are:

```
SecureWay Directory  Release: aus322ldap  Build: 020425a  (SWD 322 e-fix2)
```




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