



**Fix pack FP322H-04 README for IBM
SecureWay Directory 3.2.2 for HP-UX
platforms**



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Contents

| | | | |
|--------------------------------------|----------|---|---|
| Fix pack FP322H-04. | 1 | Applying the fix pack | 2 |
| General description | 1 | Uninstalling the fix pack | 3 |
| Problems fixed. | 1 | Confirming the fix pack has been applied successfully. | 3 |
| Dependencies | 2 | Functionality/Behavior Impact | 3 |
| Fix pack contents. | 2 | | |

Fix pack FP322H-04

Fix pack: FP322H-04

Date: April, 2004

IBM® SecureWay Directory Version 3.2.2

General description

The fix pack contains fixes for problems encountered in IBM SecureWay Directory 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 was translated, see the *SecureWay Directory Version 3.2.2 README Addendum*. The Addendum file is in English only and can also be found on the IBM SecureWay Directory Library Web page:

http://publib.boulder.ibm.com/tividd/td/IBMDS/sreadme322/en_US/PDF/addendum322.pdf

Problems fixed

New fixes in FP322H-04:

APAR IR52232 (CMVC 81762, 82019)

C-API ldap_bind() with foreign characters in password might bind anonymously without returning an error to caller.

APAR IR52292 (CMVC 82432)

Connection failure in C-client leaves Windows socket open in "LISTEN" state.

APAR IR53631 (CMVC 82822)

ldacgi can be used to view, but not change, any file readable by user ldap on the host system.

APAR IR53632 (CMVC 82889, 82910, 83930)

Memory leaks in the client C-API when chasing referrals.

APAR IR53633 (CMVC 82973)

Scripting code passed as an invalid cgi parameter is not sanitized in resulting ?IException? message. Identified in BugTraq ID: 9140 (see <http://www.securityfocus.com/bid/9140>).

APAR IR53664 (CMVC 83436)

An entry DN containing an attribute name not defined in schema might result in server ABEND.

APAR IR53136 (CMVC 83832)

Memory Leak seen when running add/modify/delete and modifyTimeStamp searches on a set of entries.

APAR IR53672 (CMVC 84071)

Server might ABEND under heavy stress if changelog is enabled.

APAR IR53374 (CMVC 84228)

Do not display **ibm-adminid** (administrator DN) in root DSE search results.

Dependencies

IBM SecureWay Directory Version 3.2.2 must be installed.

Fix pack contents

The archive for this fix pack is named FP322H-04.tar and contains the following files:

| File | bytes | cksum | sum -r |
|-------------------------------|---------|------------|--------|
| FP322H-04/install_update.sh | 19046 | 2913325027 | 29005 |
| FP322H-04/uninstall_update.sh | 19046 | 2913325027 | 29005 |
| FP322H-04/data/all_files.list | 296 | 3742553187 | 14753 |
| FP322H-04/data/patch.tar.Z | 7920015 | 160786930 | 41328 |

Installing the update adds the following files to your system:

| File | bytes | cksum | sum -r |
|--------------------------------|-------|------------|--------|
| /usr/ldapadt/bin/FP322H-04.txt | 61 | 2803935415 | 59437 |

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

| File | bytes | cksum | sum -r |
|------------------------------------|---------|------------|--------|
| /usr/ldapadt/bin/ldapdelete | 837872 | 764377781 | 48042 |
| /usr/ldapadt/bin/ldapdeleted | 837872 | 1202306460 | 36888 |
| /usr/ldapadt/bin/ldapmodify | 873824 | 19023067 | 62679 |
| /usr/ldapadt/bin/ldapmodifyd | 873824 | 2765431725 | 64567 |
| /usr/ldapadt/bin/ldapmodrdrn | 838424 | 1617521027 | 28802 |
| /usr/ldapadt/bin/ldapmodrdrnd | 838424 | 406929172 | 04607 |
| /usr/ldapadt/bin/ldapsearch | 866864 | 1552916672 | 18528 |
| /usr/ldapadt/bin/ldapsearchd | 866864 | 1524792656 | 47779 |
| /usr/ldapadt/examples/ldapsearch.c | 27643 | 3665846429 | 21341 |
| /usr/ldapadt/include/ldapsst.h | 15677 | 1036420218 | 48349 |
| /usr/ldapadt/lib/libibmldap.sl | 1083392 | 1536145079 | 12701 |
| /usr/ldapadt/lib/libibmldapd.sl | 1087480 | 1142663338 | 20425 |
| /usr/ldapadt/lib/libibmldapn.sl | 1030952 | 1282721456 | 14991 |
| /usr/ldapadt/lib/libldapstatic.a | 1437332 | 2106664883 | 06766 |
| /usr/ldapadt/lib/libldapstaticd.a | 1436700 | 2586728736 | 22388 |
| /usr/ldapadt/lib/libldapstaticn.a | 1373964 | 2397825237 | 05321 |
| /usr/ldapadt/lib/libldif.a | 24532 | 1199116105 | 23649 |

Applying the fix pack

1. Extract the FP322H-04.tar file to a directory with at least 30 MB of free space. This creates a new directory named FP322H-04 that contains the following files and subdirectories:
install_update.sh
uninstall_update.sh
data/
2. Log in as root.
3. Stop all IBM SecureWay Directory client or server processes, including the LDAP server, Web administration and directory management tools. Programs and libraries cannot be replaced while they are in use.

4. Run the following command from the FP322H-04 subdirectory:

```
install_update.sh
```

Note: The install_update script saves a backup of your previous version of IBM SecureWay Directory in the data subdirectory. Do not remove the data subdirectory if you intend to uninstall the update.

Uninstalling the fix pack

To uninstall the fix pack:

1. Log in as root.
2. Stop all IBM SecureWay Directory client or server processes, including the LDAP server, Web administration and directory management tools. Programs and libraries cannot be replaced while they are in use.
3. Run the following command from the FP322H-04 subdirectory:

```
uninstall_update.sh
```

Confirming the fix pack has been applied successfully

After installation, the file /usr/ldap/bin/FP322H-04.txt contains the following:

```
SecureWay Directory      Release: aus3221dap  Build: 040413a
```

Functionality/Behavior Impact

Changes in the functionality or behavior of IBM SecureWay Directory after upgrading to this fix pack:

| APAR | Impact | | | Description |
|---------|--------|--------|------|--|
| | Low | Medium | High | |
| IR52232 | | ✓ | | Invalid characters in username or password which might have resulted in authentication failure (anonymous bind) before IBM SecureWay Directory 3.2.2 FP4 now results in LDAP_ENCODING_ERROR. |
| IR53374 | ✓ | | | The server no longer returns ibm-adminID (administrator DN) in the results of a root DSE search. |



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