



**Fix pack FP322L-04 README for IBM
SecureWay Directory 3.2.2 for Linux i386
Installations**



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Fix pack FP322L-04

Fix pack: FP322L-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 FP322L-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 FP322L-04.tar and contains the following files:

File	bytes	cksum	sum -r
FP322L-04/install_update.sh	19046	2913325027	29005
FP322L-04/uninstall_update.sh	19046	2913325027	29005
FP322L-04/data/all_files.list	691	720589400	12500
FP322L-04/data/patch.tar.gz	10921871	4207676049	20973

Installing the update adds the following files to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP322L-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/ldap/bin/dmt.jar	1112548	3954793590	12139
/usr/ldap/bin/ldapdelete	41445	3094703011	20887
/usr/ldap/bin/ldapdeleted	41457	501633338	60979
/usr/ldap/bin/ldapmodify	101603	2928004862	37239
/usr/ldap/bin/ldapmodifyd	101619	2047421153	05857
/usr/ldap/bin/ldapmodrdn	42885	2932835121	48907
/usr/ldap/bin/ldapmodrdd	42901	2686713440	40717
/usr/ldap/bin/ldapsearch	99755	2977537142	52455
/usr/ldap/bin/ldapsearchd	99767	769014561	23446
/usr/ldap/bin/slapd	2408771	3080808230	42842
/usr/ldap/bin/slapdd	2408995	399403976	01227
/usr/ldap/examples/ldapsearch.c	27643	3665846429	21341
/usr/ldap/include/ldapsl.h	15677	1036420218	48349
/usr/ldap/lib/libDSP.so	173090	3276565462	05602
/usr/ldap/lib/libadmin.so	604519	423612145	64180
/usr/ldap/lib/libback-rdbm.so	2708268	3547983396	57803
/usr/ldap/lib/libcfg32.so	2753644	416738030	55871
/usr/ldap/lib/libcl.so	161395	1139204280	56415
/usr/ldap/lib/libevent.so	272400	3240658485	17837
/usr/ldap/lib/libibldap.so	1013582	2450347895	53820
/usr/ldap/lib/libibldapd.so	1013750	3120690554	49134
/usr/ldap/lib/libibldapn.so	969121	223901585	26787
/usr/ldap/lib/libldap_plugin_ibm_gsskrb.so	85515	2596490845	27523
/usr/ldap/lib/libldapaudit.so	191942	4127841158	41793
/usr/ldap/lib/libldapjrt.so	160881	2970984403	31424
/usr/ldap/lib/libldapkrb.so	168870	1459076372	35524
/usr/ldap/lib/libldapstatic.a	3306678	656330246	46896
/usr/ldap/lib/libldapstaticd.a	3306710	1888941964	17713
/usr/ldap/lib/libldapstaticn.a	3143558	123424622	54182
/usr/ldap/lib/libldif.a	103218	1576777168	19155
/usr/ldap/lib/libmessage.so	210257	3800337397	20423
/usr/ldap/lib/libslapi.so	382386	2523852784	01800
/usr/ldap/lib/libtranext.so	272910	3720383342	63653

/usr/ldap/lib/libtransys.so	1077110	2623985273	21099
/usr/ldap/lib/libutils.so	6168773	2859104577	11800
/usr/ldap/lib/libutlsa.so	137041	135454555	30924
/usr/ldap/sbin/bulkload	1312115	3934803165	56240
/usr/ldap/sbin/db2ldif	968058	936947909	05933
/usr/ldap/sbin/ldif	67397	1427659596	59854
/usr/ldap/sbin/ldif2db	1005466	2748503931	41672
/usr/ldap/sbin/miglen	987458	2100501410	40393
/usr/ldap/sbin/runstats	950501	1416191940	44746

Applying the fix pack

1. Extract the FP322L-04.tar file to a directory with at least 60 MB of free space. This creates a new directory named FP322L-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 FP322L-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 FP322L-04 subdirectory:

```
uninstall_update.sh
```

Confirming the fix pack has been applied successfully

After installation, the file /usr/ldap/bin/FP322L-04.txt contains the following:
SecureWay Directory Release: aus322ldap 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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