



Fix pack FP322A-04 README for IBM SecureWay Directory 3.2.2 for AIX[®]



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Fix pack FP322A-04

Fix pack: FP322A-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 FP322A-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 FP322A-04.tar and contains the following files:

File	bytes	cksum	sum -r
FP322A-04/install_update.sh	19046	2913325027	29005
FP322A-04/uninstall_update.sh	19046	2913325027	29005
FP322A-04/data/all_files.list	814	1894870075	17544
FP322A-04/data/patch.tar.Z	22255897	3451809639	28373

Installing the update adds the following files to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP322A-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	18941	3834089588	63360
/usr/ldap/bin/dmt.jar	1268467	3894893308	27760
/usr/ldap/bin/ldamsg	17046	4027725924	33583
/usr/ldap/bin/ldapdelete	30129	1589310098	47920
/usr/ldap/bin/ldapdeleted	30134	3047351403	14681
/usr/ldap/bin/ldapmodify	70767	1266031361	62507
/usr/ldap/bin/ldapmodifyd	70770	1858123507	28602
/usr/ldap/bin/ldapmodrdrn	31703	3834483504	35869
/usr/ldap/bin/ldapmodrdrnd	31708	4015923541	46231
/usr/ldap/bin/ldapsearch	69032	3829389171	38414
/usr/ldap/bin/ldapsearchd	69037	1317056507	33931
/usr/ldap/bin/proxy	29419	3749866052	55100
/usr/ldap/bin/slapd	4893752	2972690826	31933
/usr/ldap/bin/slapdd	4893897	1101967665	16617
/usr/ldap/bin/task_dbback	47956	915496962	09687
/usr/ldap/config/LDAPCfg.jar	788956	1352909920	17716
/usr/ldap/examples/ldapsearch.c	27643	3665846429	21341
/usr/ldap/include/ldapsl.h	15677	1036420218	48349
/usr/ldap/lib/ldap_plugin_ibm_gsskrb.a	47867	200635431	05038
/usr/ldap/lib/libDSP.a	97390	802953278	17141
/usr/ldap/lib/libadmin.a	478071	1800142616	35309
/usr/ldap/lib/libback-rdbm.a	5044578	2074800832	32899
/usr/ldap/lib/libcl.a	103680	3788179315	57087
/usr/ldap/lib/libevent.a	297031	685914492	65233
/usr/ldap/lib/libibmldap.a	1003398	3231604457	49833
/usr/ldap/lib/libibmldapd.a	1003396	2028839810	03906
/usr/ldap/lib/libldacfg.so	128237	1299588151	50713
/usr/ldap/lib/libldapaudit.a	136568	1554503618	01505
/usr/ldap/lib/libldapjrt.a	139595	223249559	45305
/usr/ldap/lib/libldapkrb.a	134917	2126807871	23515
/usr/ldap/lib/libldapstatic.a	1339381	1039337710	50690
/usr/ldap/lib/libldapstaticd.a	1339379	3027874819	40295
/usr/ldap/lib/libldif.a	24032	3306759466	11049

/usr/ldap/lib/libmessage.a	113805	4245745787	53162
/usr/ldap/lib/libslapi.a	330416	326675121	48805
/usr/ldap/lib/libtranext.a	241813	2700110183	60599
/usr/ldap/lib/libtransys.a	1273607	91756743	14920
/usr/ldap/lib/libutils.a	14404442	2015832826	17198
/usr/ldap/lib/libutlsa.a	109762	3014389216	51166
/usr/ldap/sbin/bulkload	1486936	2901267496	14669
/usr/ldap/sbin/db2ldif	1136748	3835238099	37534
/usr/ldap/sbin/ldif	39442	4181963562	25627
/usr/ldap/sbin/ldif2db	1177497	363734820	01645
/usr/ldap/sbin/ltou	47318	1726301474	47607
/usr/ldap/sbin/miglen	202030	2780405430	06426
/usr/ldap/sbin/runstats	1105000	2053794362	34609
/usr/ldap/sbin/uto1	47323	1717444897	19281
/usr/ldap/web/cgi-bin/ldacgi3d.exe	2956863	1223440111	14336
/usr/ldap/web/cgi-bin/ldacgi3e.exe	2956863	152426510	65157
/usr/ldap/web/cgi-bin/ldacgid.exe	7644420	1889684360	03540
/usr/ldap/web/cgi-bin/ldacgie.exe	7644420	3570624036	08801

Applying the fix pack

1. Extract the FP322A-04.tar file to a directory with at least 110 MB of free space. This creates a new directory named FP322A-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 FP322A-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 FP322A-04 subdirectory:

```
uninstall_update.sh
```

Confirming the fix pack has been applied successfully

After installation, the file /usr/ldap/bin/FP322A-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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