



**Fix pack FP322T-04 README for IBM
SecureWay Directory 3.2.2 for Linux s390
Installations**



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Fix pack FP322T-04

Fix pack: FP322T-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 FP322T-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 FP322T-04.tar and contains the following files:

File	bytes	cksum	sum -r
FP322T-04/install_update.sh	19046	2913325027	29005
FP322T-04/uninstall_update.sh	19046	2913325027	29005
FP322T-04/data/all_files.list	691	720589400	12500
FP322T-04/data/patch.tar.gz	11805687	1284024928	30543

Installing the update adds the following files to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP322T-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	1112348	4135213394	36138
/usr/ldap/bin/ldapdelete	43545	1535513673	29524
/usr/ldap/bin/ldapdeleted	43561	2231369969	44472
/usr/ldap/bin/ldapmodify	106135	879655478	16629
/usr/ldap/bin/ldapmodifyd	106151	3714239226	43647
/usr/ldap/bin/ldapmodrdn	45205	1135893062	27093
/usr/ldap/bin/ldapmodrdd	45221	1924852519	19870
/usr/ldap/bin/ldapsearch	110087	260481725	25276
/usr/ldap/bin/ldapsearchd	110099	3061805343	63456
/usr/ldap/bin/slapd	2716969	2509831412	62523
/usr/ldap/bin/slapdd	2717201	850056979	61551
/usr/ldap/examples/ldapsearch.c	27643	3665846429	21341
/usr/ldap/include/ldapssl.h	15677	1036420218	48349
/usr/ldap/lib/libDSP.so	159082	2965237159	37885
/usr/ldap/lib/libadmin.so	672309	1340450606	62953
/usr/ldap/lib/libback-rdbm.so	3055283	927973097	13657
/usr/ldap/lib/libcfg32.so	3127786	3726738861	42415
/usr/ldap/lib/libcl.so	154650	1911527258	08802
/usr/ldap/lib/libevent.so	313931	1497082454	12949
/usr/ldap/lib/libibmldap.so	1134044	2686640499	58106
/usr/ldap/lib/libibmldapd.so	1134236	3227041136	25524
/usr/ldap/lib/libibmldapn.so	1086671	649957910	56848
/usr/ldap/lib/libldap_plugin_ibm_gsskrb.so	82282	1457323500	11345
/usr/ldap/lib/libldapaudit.so	199002	3390843692	03528
/usr/ldap/lib/libldapjrt.so	150381	3016032570	32476
/usr/ldap/lib/libldapkrb.so	170949	337243427	21463
/usr/ldap/lib/libldapstatic.a	3231594	3480379624	19887
/usr/ldap/lib/libldapstaticd.a	3231690	3478770452	61373
/usr/ldap/lib/libldapstaticn.a	3083826	4258543769	27673
/usr/ldap/lib/libldif.a	100194	3899596187	53598
/usr/ldap/lib/libmessage.so	225097	818196398	42985
/usr/ldap/lib/libslapi.so	439528	2670548641	37790
/usr/ldap/lib/libtranext.so	308273	3912883781	09212

/usr/ldap/lib/libtransys.so	1278909	4199575338	04035
/usr/ldap/lib/libutils.so	6997007	2251741341	44654
/usr/ldap/lib/libutlsa.so	140847	2101289288	19294
/usr/ldap/sbin/bulkload	1347410	3239904840	39560
/usr/ldap/sbin/db2ldif	994036	3820010625	65341
/usr/ldap/sbin/ldif	65553	1034701726	24199
/usr/ldap/sbin/ldif2db	1042394	833515417	49055
/usr/ldap/sbin/miglen	1029577	4123914486	50093
/usr/ldap/sbin/runstats	983581	3190997785	11776

Applying the fix pack

1. Extract the FP322T-04.tar file to a directory with at least 65 MB of free space. This creates a new directory named FP322T-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 FP322T-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 FP322T-04 subdirectory:

```
uninstall_update.sh
```

Confirming the fix pack has been applied successfully

After installation, the file /usr/ldap/bin/FP322T-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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