



Fix pack FP510T-02 README
IBM Directory Server 5.1
Linux s390 operating system



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Fix pack FP510T-02

Fix pack: FP510T-02

Date: October, 2003

IBM® Directory Server Version 5.1

General description

The fix pack contains fixes for problems encountered in IBM Directory Server Version 5.1. The APAR number for each problem is listed in "Problems fixed". Refer to the specific APAR for more detail.

For information about changes and fixes that occurred after the product documentation was translated, see the *IBM Directory Server Version 5.1 README Addendum*. The Addendum file is in English only and can be found at the following Web address:

<http://publib.boulder.ibm.com/tividd/td/IBMDirectoryServer5.1.html>

Problems fixed

The following new fixes are in FP510T-02. This fix pack also includes the fixes from the previous fix pack.

No APAR (CMVC 77525)

Attributes containing certain base 64 encoded values not replicated.

No APAR (CMVC 77659)

`db2ldif -s cn=changelog` shows errors.

When exporting entries to LDIF format, password policy attribute tables are not created in the changelog database; this causes command line and `ibmslapd` errors to be logged.

APAR IR50835 (CMVC 77974)

`ldapxcfg` changed to generate an error if server is running during configuration

No APAR (CMVC 78028)

`dbback -w` does not report error if directory does not exist.

APAR IR52414 (CMVC 78067)

`ibmslapd` fails when anonymous user adds suffix entry immediately after configuration.

No APAR (CMVC 78646)

`ldapsearch` search filter size limit set to 4k for all platforms.

No APAR (CMVC 78752)

Change default "ibm-slapdChangeLogMaxEntries" to 1,000,000 to avoid file system limits.

No APAR (CMVC 78773)

Add or modify of invalid attribute name may crash the server.

- No APAR (CMVC 78919)**
ibmslapd fails on SMP machine with AuditLog on if many errors are being written to the error log.
- APAR IR51517 (CMVC 79332)**
bulkload fails to propagate ACLs with large LDIF file.
- APAR IR51880 (CMVC 79351)**
Trailing space stripped from attribute values when replicated.
- APAR IR51564 (CMVC 79415)**
Server deadlocks in DN or entry cache.
- APAR IR51880 (CMVC 79419)**
Do not block worker thread when reading from slow or empty (non-SSL) client connection.
- No APAR (CMVC 79880)**
On Linux Intel only, unsuccessful **ldapcfg** may leave database partially configured.
- APAR IR52127 (CMVC 80070)**
db2ldif will not export members that were added with attribute name (member or uniquemember) not all lowercase.
- APAR IR51950 (CMVC 80145)**
ACL evaluation for ibm-allMembers does not evaluate group membership of subject.
- APAR IR51677 (CMVC 80183)**
Problem with account locking in password policy prevents bind even after lockout timeout.
- No APAR (CMVC 80310)**
"32: No such object" message when starting **ibmdiradm**.
- No APAR (CMVC 80594)**
If server is running, do not allow schema configuration in **ldapxcfg**.
- No APAR (CMVC 80923)**
Stability fixes for SMP Solaris.
- APAR IR52095 (CMVC 81061)**
If sorted or paged search controls are limited to administrator use only, do not include them in search of supported controls requested by non administrators.
- APAR IR52386 (CMVC 81206)**
DB2 transaction log may overflow with very large replchange count
- No APAR (CMVC 81271)**
SchemaMigrate fails on Windows 2003 migration.
- APAR IR52431 (CMVC 81434)**
Server deadlock with oldConnectionHandler in WorkQ::Interlock and all worker threads idle.
- APAR IR51672 (CMVC 81492)**
db2ldif performance enhancements.
- APAR IR52411 (CMVC 81493)**
Server SEGV after dn_normalize_light_esc() receiving SSL connection.
- APAR IR52229 (CMVC 81762)**
xlate_local_to_utf8() can return LDAP_SUCCESS on failure.

APAR IR52415 (CMVC 82017)

Do not include administrator DN in root DSE search.

APAR IR52161 (CMVC 82177)

Replicate internal updates (i.e. from plug-ins)

APAR IR52413 (CMVC 82216)

bulkload tool LDIF verification fails with core dump using **-A** flag.

No APAR (CMVC 82312)

Memory leak.

APAR IR52412 (CMVC 82432)

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

APAR IR52257 (CMVC 82452)

Web Admin support for Turkish locale.

Dependencies

IBM Directory Server 5.1, with or without fix packs, must be installed.

Fix pack contents

The archive for this fix pack is named FP510T-02.tar and contains the following files:

File	bytes	sum -r
FP510T-02Readme.pdf	-	-
FP510T-02.txt	55	17689
install_update	4010	47930
uninstall_update	1736	31147
update_webadmin	1022	27884
data/all_files.list	2234	52909
data/patch.tar	43499520	60569

The client installation includes the following files:

File	bytes	sum -r
bin/FP510T-02Readme.pdf	-	-
bin/FP510T-02.txt	55	17689
bin/ibmdirctl	30474	12794
bin/ldamsg	17367	26827
bin/ldapchangepwd	29717	42222
bin/ldapdelete	28274	42064
bin/ldapexop	54964	47599
bin/ldapmodify	50773	49474
bin/ldapmodrdn	28756	47373
bin/ldapsearch	60888	41788
examples/ldapchangepwd.c	30414	62655
examples/ldapdelete.c	26547	63942
examples/ldapmodify.c	56577	10665
examples/ldapmodrdn.c	29118	16725
examples/ldapsearch.c	59054	57760
examples/makefile.ex	3416	26221
examples/sample.ldif	17338	32229
include/audit-plugin-list.h	2010	16334
include/audit-plugin.h	11964	45154
include/lber.h	1633	62011
include/ldap.h	48303	31465
include/ldaplocale.h	5142	50698
include/ldapssl.h	17949	17290

include/ldif.h	4336	46572
include/slapi-plugin.h	11865	27914
lib/ldap_plugin_sasl_cram-md5.so	15404	50428
lib/libibldap.so	444560	65473
lib/libibldapn.so	419648	39488
lib/libldapstatic.a	482156	31739
lib/libldapstaticn.a	456026	47378
lib/libldif.a	16090	33727

The Web Administration Tool installation includes the following files:

File	bytes	sum -r
=====	=====	=====
bin/FP510T-02Readme.pdf	-	-
bin/FP510T-02.txt	55	17689
idstools/DSML.zip	752707	07122
idstools/IDSWebApp.war	12205660	33923

The server installation includes the following files:

File	bytes	sum -r
=====	=====	=====
bin/FP510T-02Readme.pdf	-	-
bin/FP510T-02.txt	55	17689
bin/IDSproxyExe	18867	44873
bin/dbback	32203	30019
bin/dbrestore	30992	31007
bin/ibmdiradm	211599	59546
bin/ibmdiradm.ksh	48	05787
bin/ibmslapd	531422	36988
bin/ibmslapdn	531413	18934
bin/ldapcfg	15419	31692
bin/ldapdiff	9094	12786
bin/ldapdiff.jar	129933	21432
bin/ldapbp.jar	49437	33729
config/IDSConfig.jar	1874644	54516
config/config/OpNav.Java.Application.ser	635	29664
config/console_runtime/jhall.jar	376756	34639
config/console_runtime/jopnav.jar	520307	64847
config/console_runtime/jopnavfw.jar	299931	14825
config/console_runtime/jt400.jar	3429383	57128
config/console_runtime/jui400.jar	571584	02860
config/console_runtime/op.jar	978445	64559
config/console_runtime/settings/idsconsoleapp.jreg	205	10381
config/console_runtime/uitools.jar	1005270	12143
config/console_runtime/util400.jar	290012	40038
config/console_runtime/x4j400.jar	1803877	33231
config/csa_runtime/auibase.jar	285493	28704
config/csa_runtime/auiw.jar	318679	58459
config/csa_runtime/aui18n.jar	309063	29133
config/csa_runtime/auiwing.jar	472971	14393
config/csa_runtime/jhall.jar	402270	52882
config/csa_runtime/settings/data.properties	535	26517
config/csa_runtime/settings/framework.properties	785	63995
config/csa_runtime/settings/registry.properties	732	09846
config/csa_runtime/settings/trace.properties	425	51192
config/csa_runtime/swing11spinner_Runtime.jar	161875	00481
config/csa_runtime/ui1.jar	1117025	26287
config/csa_runtime/xerces.jar	1803877	33231
lib/libDSP.so	23070	36113
lib/libIDSproxyDll.so	13816	34717
lib/libback-config.so	63067	48718
lib/libback-rdbm.so	1218574	08812
lib/libcfg32.so	1124086	25791
lib/libdbadmin.so	118594	11667
lib/libevent.so	76946	33696
lib/libibldapcl.so	34923	63093
lib/libldacfg.so	74915	24865

lib/libldapaudit.so	36047	12459
lib/libldaprepl.so	446731	15639
lib/libldapiconv.so	7801	19881
lib/libldapjrt.so	24191	43069
lib/libloga.so	29015	62930
lib/libmessage.so	73743	01275
lib/libslapi.so	126794	44525
lib/libtranext.so	37655	38206
lib/libtransys.so	284851	27384
lib/libtrc.so	30601	65040
lib/libutils.so	2976908	18088
lib/libutlsa.so	45519	57068
sbin/Schema.jar	2141323	65399
sbin/SchemaMigrate.jar	42635	36101
sbin/bulkload	305383	63490
sbin/cfgmodify	160229	46082
sbin/db2ldif	202795	57159
sbin/ldif	30238	14488
sbin/ldif2db	198115	46818
sbin/ldtrc	82117	29153
sbin/ltou	18538	17176
sbin/migrate51	34037	38236
sbin/rc.ibmdir	1304	49489
sbin/runscript	13670	01988
sbin/runstats	182483	35329
sbin/stripldif	20781	38412
sbin/utol	18537	15529

Applying the fix pack

1. For each computer targeted to receive the fix pack, be sure that the IBM Directory Server server is stopped, and any client applications linked to the shared libraries (including Web Administration) are stopped. Programs and libraries cannot be replaced while they are in use.
2. Untar the FP510T-02.tar file to a directory with at least 110 MB of free space. This creates a new directory named FP510T-02 that contains the following files and subdirectories:
 - install_update
 - uninstall_update
 - update_webadmin
 - FP510T-02Readme.pdf
 - FP510T-02.txt
 - data
3. Log in as root.
4. Stop **ibmslapd** and **ibmdiradm**.
5. Run the following command from the FP510T-02 subdirectory:

```
install_update
```

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

6. If the Web Administration Tool is installed, you must complete the following steps for the Web Administration fix pack files to take effect.

Note: The commands shown are for the embedded version of WebSphere® Application Server - Express, installed in the /usr/ldap/appsrv directory. If you are using a different application server, use the documentation for that application server. If you have the embedded

version of WebSphere Application Server - Express installed in a different directory, change the commands to match your installation.

- a. Set the `INSTALL_DIR` environment variable:
`export INSTALL_DIR=/usr/ldap`
- b. Set the `BOBCAT_HOME` environment variable:
`export BOBCAT_HOME=$INSTALL_DIR/appsrv`
- c. Be sure that the application server is running:
`ps -ef | grep server1`

If the application server is not running, type the following command to start it:

```
$BOBCAT_HOME/bin/startServer.sh server1
```

- d. Run the Web server admin tool:
`$BOBCAT_HOME/bin/wsadmin.sh`

At the `wsadmin>` command prompt type:

```
$AdminApp uninstall IDSWebApp.war  
$AdminConfig save  
quit
```

- e. Stop the application server:
`$BOBCAT_HOME/bin/stopServer.sh server1`
- f. Run the following command from the FP510T-02 subdirectory:
`update_webadmin`
- g. Restart the application server:
`$BOBCAT_HOME/bin/startServer.sh server1`
- h. To test the new Web Administration Tool, open a browser and enter the following Web address:
`http://hostname:9080/IDSWebApp/IDSjsp/Login.jsp`

where *hostname* is the host name of your computer.

Confirming that the fix pack has been applied successfully

After installation, the file `$INSTALL_DIR/bin/FP510T-02.txt` contains the following:

```
IBM Directory      Release: aus51pldap  Build: 030921a
```

Uninstalling the fix pack

To uninstall the fix pack:

1. Log in as root.
2. Stop `ibmslapd` and `ibmdiradm`.
3. Run the following command from the FP510T-02 subdirectory:
`uninstall_update`
4. If you updated the Web Administration Tool, run step 6 on page 5 again.



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