



Fix pack FP510L-02 README
IBM Directory Server 5.1
Linux i386 operating system



Fix pack FP510L-02 README
IBM Directory Server 5.1
Linux i386 operating system

Contents

Fix pack FP510L-02.	1	Applying the fix pack	5
General description	1	Confirming that the fix pack has been applied successfully.	6
Problems fixed.	1	Uninstalling the fix pack	6
Dependencies	3		
Fix pack contents.	3		

Fix pack FP510L-02

Fix pack: FP510L-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 FP510L-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 FP510L-02.tar and contains the following files:

File	bytes	sum -r
FP510L-02Readme.pdf	-	-
FP510L-02.txt	55	17689
install_update	4014	12325
uninstall_update	1736	63875
update_webadmin	1022	27884
data/all_files.list	2234	22116
data/patch.tar	43520000	56622

The client installation includes the following files:

File	bytes	sum -r
bin/FP510L-02Readme.pdf	-	-
bin/FP510L-02.txt	55	17689
bin/ibmdirctl	28918	08881
bin/ldamsg	15433	41876
bin/ldapchangepwd	26799	56324
bin/ldapdelete	26140	57354
bin/ldapexop	49164	47559
bin/ldapmodify	44948	25108
bin/ldapmodrdn	26598	12429
bin/ldapsearch	56229	39965
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	3415	48568
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	14808	63166
lib/libibldap.so	416627	22996
lib/libibldapn.so	391267	58155
lib/libldapstatic.a	458902	27887
lib/libldapstaticn.a	432172	61987
lib/libldif.a	15010	13445

The Web Administration installation includes the following files:

File	bytes	sum -r
bin/FP510L-02Readme.pdf	-	-
bin/FP510L-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/FP510L-02Readme.pdf	-	-
bin/FP510L-02.txt	55	17689
bin/IDSproxyExe	16907	35592
bin/dbback	31711	13285
bin/dbrestore	29738	59471
bin/ibmdiradm	198080	48359
bin/ibmdiradm.ksh	48	05787
bin/ibmslapd	506080	03613
bin/ibmslapdn	506016	27904
bin/ldapcfg	15419	31692
bin/ldapdiff	9094	12786
bin/ldapdiff.jar	129933	21432
bin/ldapbp.jar	49437	33729
config/IDSConfig.jar	1875342	39763
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/auifw.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	20976	09833
lib/libIDSproxyDll.so	12576	16763
lib/libback-config.so	56731	44343
lib/libback-rdbm.so	1105746	31171
lib/libcfg32.so	2065423	47361
lib/libdbadmin.so	111066	50478
lib/libevent.so	67029	41454
lib/libibldapcl.so	31682	13453
lib/libldacfg.so	52884	12341

lib/libldapaudit.so	31929	06506
lib/libldaprepl.so	399357	41474
lib/libldapiconv.so	7701	54192
lib/libldapjrt.so	24665	23637
lib/libloga.so	25557	11850
lib/libmessage.so	75327	30036
lib/libslapi.so	94708	35825
lib/libtranext.so	28455	32796
lib/libtransys.so	227527	10713
lib/libtrc.so	25558	12907
lib/libutils.so	2633567	09633
lib/libutlsa.so	40789	65318
sbin/Schema.jar	2141323	58924
sbin/SchemaMigrate.jar	42639	60933
sbin/bulkload	309751	34806
sbin/cfgmodify	133605	08585
sbin/db2ldif	203024	31298
sbin/ldif	26383	55442
sbin/ldif2db	199307	39403
sbin/ldtrc	72108	43476
sbin/ltou	16490	40641
sbin/migrate51	34037	38236
sbin/rc.ibmdir	1304	49489
sbin/runscript	12638	05632
sbin/runstats	183019	64655
sbin/stripldif	18987	14836
sbin/utol	16493	56510

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 FP510L-02.tar file to a directory with at least 110 MB of free space. This creates a new directory named FP510L-02 that contains the following files and subdirectories:
 - install_update
 - uninstall_update
 - update_webadmin
 - FP510L-02Readme.pdf
 - FP510L-02.txt
 - data
3. Log in as root.
4. Stop **ibmslapd** and **ibmdiradm**.
5. Run the following command from the FP510L-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 on this computer, you must complete the following steps for the Web Administration Tool 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, run 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
`$BOBCAT_HOME/bin/stopServer.sh server1`
- f. Run the following command from the FP510L-02 subdirectory:
`update_webadmin`
- g. Restart the application server:
`$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/FP510L-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 FP510L-02 subdirectory:
`uninstall_update`
4. If you updated the Web Administration Tool, run step 6 on page 5 again.



Printed in U.S.A.