



Fix pack FP510S-02 README
IBM Directory Server 5.1
Solaris operating system



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Fix pack FP510S-02

Fix pack: FP510S-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 FP510S-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 IR51672 (CMVC 81492)

db2ldif performance enhancements.

APAR IR52411 (CMVC 81493)

Server SEGV after **dn_normalize_light_esc()** receiving SSL connection.

No APAR (CMVC 81508)

Add support for Global Security Kit (GSKit) 7.

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 FP510S-02.tar and contains the following files:

File	bytes	sum -r
=====	=====	=====
FP510S-02Readme.pdf	-	-
install_update	4370	42955
uninstall_update	1818	43518
update_webadmin	1626	04686
data\all_files.list	3111	48187
data\patch.tar	55421440	05087

The client installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510S-02Readme.pdf	-	-
FP510S-02.txt	55	17689
ibmdirctl	24384	60626
ldamsg	8464	12492
ldapchangepwd	26016	26027
ldapdelete	24932	62301
ldapexop	58104	09268
ldapmodify	50764	25047
ldapmodrtn	25192	32375
ldapsearch	57732	10056
ldapchangepwd.c	30414	62655
ldapdelete.c	26547	63942
ldapmodify.c	56577	10665
ldapmodrtn.c	29118	16725
ldapsearch.c	59054	57760
makefile.ex	3440	19666
sample.ldif	17338	32229
audit-plugin-list.h	2010	16334
audit-plugin.h	11964	45154
lber.h	1633	62011
ldap.h	48303	31465
ldapssl.h	17949	17290
ldif.h	4336	46572
slapi-plugin.h	11865	27914

ldap_plugin_sasl_cram-md5.so	20092	54045
libibmldap.so	620400	30882
libldapiconv.so	9700	57859
libldapstatic.a	671544	62379
libldif.a	21880	62473

The Web Administration Tool installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510S-02Readme.pdf	-	-
FP510S-02.txt	55	17689
DSML.zip	752707	07122
IDSWebApp.war	12205660	33923

The server installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510S-02Readme.pdf	-	-
FP510S-02.txt	55	17689
IDSproxyExe	15872	22841
dbback	532904	43802
dbrestore	533412	49802
ibmdiradm	740476	62268
ibmslapd	1188880	00072
ldapcfg	15427	62385
ldapdiff	9098	24725
ldapdiff.jar	129933	21432
ldapbp.jar	49437	33729
IDSConfig.jar	1875352	12076
OpNav.Java.Application.ser	635	29664
jhall.jar (console_runtime)	376756	34639
jopnav.jar	520307	64847
jopnavfw.jar	299931	14825
jt400.jar	3429383	57128
jui400.jar	571584	02860
op.jar	978445	64559
idsconsoleapp.jreg	205	10381
uitools.jar	1005270	12143
util400.jar	290012	40038
x4j400.jar	1803877	33231
auibase.jar	285493	28704
auifw.jar	318679	58459
auil18n.jar	309063	29133
auiswing.jar	472971	14393
jhall.jar (CSA_runtime)	402270	52882
data.properties	535	26517
framework.properties	785	63995
registry.properties	732	09846
trace.properties	425	51192
swingl1spinner_Runtime.jar	161875	00481
uil.jar	1117025	26287
xerces.jar	1803877	33231
libDSP.so	27040	15101
libIDSproxyDll.so	13816	51134
libback-config.so	85380	14431
libback-rdbm.so	1363716	59623
libcfg32_CC.so	1424948	54435
libcfg32_xlC.so	4988068	55986
libdbadmin.so	680136	48815
libevent.so	80908	29645
libibmldapcl.so	35680	50121
libldacfg.so	63508	14729
libldapaudit.so	35344	15616
libldaprepl.so	497304	11884
libloga.so	27568	46049
libmessage.so	81212	14430

libslapi.so	120436	27125
libtranext.so	28452	64210
libtransys.so	89332	32648
libtrc.so	42308	55489
libutils.so	4448144	04607
libutlsa.so	61632	54262
Schema.jar	2141332	37337
SchemaMigrate.jar	42648	51831
bulkload	876340	35249
cfgmodify	540140	40448
db2ldif	733364	58213
ldif	29220	22078
ldif2db	731064	52519
ldtrc	120708	30464
ltou	516756	49417
migrate51	34037	23348
rc.ibmdir	1304	49489
runscript	10940	05736
runstats	707812	14652
utol	516752	44246

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 FP510S-02.tar file to a directory with at least 140 MB of free space. This creates a new directory named FP510S-02 that contains the following files and subdirectories:
 - install_update
 - uninstall_update
 - update_webadmin
 - FP510S-02Readme.pdf
 - data
3. Log in as root.
4. Stop **ibmslapd** and **ibmdiradm**.
5. Run the following command from the FP510S-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 /opt/IBMldapc/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=/opt/IBMldapc
```
- b. Set the BOBCAT_HOME environment variable:

- ```
export BOBCAT_HOME=$INSTALL_DIR/appsrv
```
- c. To be sure that the application server is running, run the **start server** command:  

```
$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 FP510S-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/IBMldaps/bin/FP510S-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 FP510S-02 subdirectory:  

```
uninstall_update
```
4. If you updated the Web Administration Tool, run step 6 on page 5 again.





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