



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 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 FP510S-02.tar and contains the following files:

File	bytes	sum -r
=====	=====	=====
FP510S-02Readme.pdf	-	-
FP510S-02.txt	55	17689
install_update	4229	26208
uninstall_update	1756	58865
update_webadmin	1581	42694
data/all_files.list	3013	13265
data/patch.tar	55500800	35911

The client installation includes the following files:

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

IBMldapc/include/slapi-plugin.h	11865	27914
IBMldapc/lib/ldap_plugin_sasl_cram-md5.so	20092	54045
IBMldapc/lib/libibldap.so	620400	30882
IBMldapc/lib/libldapiconv.so	9700	57859
IBMldapc/lib/libldapstatic.a	671544	62379
IBMldapc/lib/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
IBMldapc/idstools/DSML.zip	752707	07122
IBMldapc/idstools/IDSWebApp.war	12205660	33923

The server installation includes the following files:

File	bytes	sum -r
IBMldaps/bin/FP510S-02Readme.pdf	-	-
IBMldaps/bin/FP510S-02.txt	55	17689
IBMldaps/bin/IDSproxyExe	15872	22841
IBMldaps/bin/dbback	532904	43802
IBMldaps/bin/dbrestore	533412	49802
IBMldaps/bin/ibmdiradm	740476	62268
IBMldaps/bin/ibmslapd	1188880	00072
IBMldaps/bin/ldapcfg	15427	62385
IBMldaps/bin/ldapdiff	9098	24725
IBMldaps/bin/ldapdiff.jar	129933	21432
IBMldaps/bin/ldapbp.jar	49437	33729
IBMldaps/config/IDSConfig.jar	1875352	12076
IBMldaps/config/config/OpNav.Java.Application.ser	635	29664
IBMldaps/config/console_runtime/jhall.jar	376756	34639
IBMldaps/config/console_runtime/jopnav.jar	520307	64847
IBMldaps/config/console_runtime/jopnavfw.jar	299931	14825
IBMldaps/config/console_runtime/jt400.jar	3429383	57128
IBMldaps/config/console_runtime/jui400.jar	571584	02860
IBMldaps/config/console_runtime/op.jar	978445	64559
IBMldaps/config/console_runtime/settings/idsconsoleapp.jreg	205	10381
IBMldaps/config/console_runtime/uitools.jar	1005270	12143
IBMldaps/config/console_runtime/util400.jar	290012	40038
IBMldaps/config/console_runtime/x4j400.jar	1803877	33231
IBMldaps/config/csa_runtime/auiibase.jar	285493	28704
IBMldaps/config/csa_runtime/auiwf.jar	318679	58459
IBMldaps/config/csa_runtime/aui18n.jar	309063	29133
IBMldaps/config/csa_runtime/auiwing.jar	472971	14393
IBMldaps/config/csa_runtime/jhall.jar	402270	52882
IBMldaps/config/csa_runtime/settings/data.properties	535	26517
IBMldaps/config/csa_runtime/settings/framework.properties	785	63995
IBMldaps/config/csa_runtime/settings/registry.properties	732	09846
IBMldaps/config/csa_runtime/settings/trace.properties	425	51192
IBMldaps/config/csa_runtime/swing11spinner_Runtime.jar	161875	00481
IBMldaps/config/csa_runtime/ui1.jar	1117025	26287
IBMldaps/config/csa_runtime/xerces.jar	1803877	33231
IBMldaps/lib/libDSP.so	27040	15101
IBMldaps/lib/libIDSproxyDll.so	13816	51134
IBMldaps/lib/libback-config.so	85380	14431
IBMldaps/lib/libback-rdbm.so	1363716	59623
IBMldaps/lib/libcfg32_CC.so	1424948	54435
IBMldaps/lib/libcfg32_xlC.so	4988068	55986
IBMldaps/lib/libdbadmin.so	680136	48815
IBMldaps/lib/libevent.so	80908	29645
IBMldaps/lib/libibldapcl.so	35680	50121
IBMldaps/lib/libldacfg.so	63508	14729
IBMldaps/lib/libldapaudit.so	35344	15616
IBMldaps/lib/libldaprepl.so	497304	11884
IBMldaps/lib/libloga.so	27568	46049

IBMldaps/lib/libmessage.so	81212	14430
IBMldaps/lib/libslapi.so	120436	27125
IBMldaps/lib/libtranext.so	28452	64210
IBMldaps/lib/libtransys.so	89332	32648
IBMldaps/lib/libtrc.so	42308	55489
IBMldaps/lib/libutils.so	4448144	04607
IBMldaps/lib/libutlsa.so	61632	54262
IBMldaps/sbin/Schema.jar	2141332	37337
IBMldaps/sbin/SchemaMigrate.jar	42648	51831
IBMldaps/sbin/bulkload	876340	35249
IBMldaps/sbin/cfgmodify	540140	40448
IBMldaps/sbin/db2ldif	733364	58213
IBMldaps/sbin/ldif	29220	22078
IBMldaps/sbin/ldif2db	731064	52519
IBMldaps/sbin/ldtrc	120708	30464
IBMldaps/sbin/ltou	516756	49417
IBMldaps/sbin/migrate51	34037	23348
IBMldaps/sbin/rc.ibmdir	1304	49489
IBMldaps/sbin/runscript	10940	05736
IBMldaps/sbin/runstats	707812	14652
IBMldaps/sbin/utol	516752	44246

Applying the fix pack

- 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.
- 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
 - FP510S-02.txt
 - data
- Log in as root.
- Stop **ibmslapd** and **ibmdiradm**.
- 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.

- 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.

- Set the INSTALL_DIR environment variable:

- ```
export INSTALL_DIR=/opt/IBMDapc
```
- 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.

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## Confirming that the fix pack has been applied successfully

After installation, the file \$INSTALL\_DIR/./IBMDaps/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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