



Fix pack FP510P-02 README
IBM Directory Server 5.1
iSeries and pSeries[™] Linux operating
systems



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Fix pack FP510P-02

Fix pack: FP510P-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 FP510P-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 FP510P-02.tar and contains the following files:

File	bytes	sum -r
=====	=====	=====
FP510P-02Readme.pdf	-	-
install_update	4152	22513
uninstall_update	1797	23823
data\all_files.list	2147	11783
data\patch.tar	59043840	08777

The client installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510P-02Readme.pdf	-	-
FP510P-02.txt	55	17689
ibmdirctl	67907	02863
ldamsg	38361	63559
ldapchangepwd	61189	35719
ldapdelete	52535	50381
ldapexop	93783	23545
ldapmodify	76669	12927
ldapmodrdn	53325	24946
ldapsearch	78021	51636
ldapchangepwd.c	30414	62655
ldapdelete.c	26547	63942
ldapmodify.c	56577	10665
ldapmodrdn.c	29118	16725
ldapsearch.c	59054	57760
makefile.ex	3432	50418
sample.ldif	17338	32229
audit-plugin-list.h	2010	16334
audit-plugin.h	11964	45154
lber.h	1633	62011
ldap.h	48303	31465
ldaplocale.h	5142	50698
ldapssl.h	17949	17290
ldif.h	4336	46572
slapi-plugin.h	11865	27914

ldap_plugin_sasl_cram-md5.so	59651	64230
libibmldap.so	1941684	50194
libldapstatic.a	4003098	12788

The server installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510P-02Readme.pdf	-	-
FP510P-02.txt	55	17689
IDSproxyExe	46909	19627
dbback	111693	31520
dbrestore	111074	52303
ibmdiradm	1719148	02783
ibmslapd	3994772	24451
ldapcfg	15419	31692
ldapdiff	9094	12786
ldapdiff.jar	129933	21432
ldapbp.jar	49437	33729
IDSConfig.jar	344379	60997
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	138830	41633
libIDSproxyDll.so	38528	50645
libback-config.so	740297	01443
libback-rdbm.so	6751251	12602
libcfg32.so	3299129	59691
libdbadmin.so	396314	35207
libevent.so	348079	00868
libibmldapcl.so	161892	55559
libldacfg.so	413944	58925
libldapaudit.so	180146	39435
libldaprepl.so	1923476	41722
libldapiconv.so	34603	02035
libldapjrt.so	151394	51117
libloga.so	153355	08826
libmessage.so	195913	44230
libslapi.so	533551	47211
libtranext.so	212735	50936
libtransys.so	1262595	37808
libtrc.so	123359	59557
libutils.so	7646551	56118
libutlsa.so	172847	09291
bulkload	1741260	31126
cfgmodify	138468	46233
db2ldif	1302552	65226

ldif	67998	02347
ldif2db	1378197	56116
ldtrc	238569	16159
ltou	107406	55961
rc.ibmdir	1304	49489
runscript	28098	23444
runstats	1286898	10890
stripldif	145540	47516
utol	107417	62840

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 FP510P-02.tar file to a directory with at least 150 MB of free space. This creates a new directory named FP510P-02 that contains the following files and subdirectories:
 - install_update
 - uninstall_update
 - FP510P-02Readme.pdf
 - data
3. Log in as root.
4. Stop **ibmslapd** and **ibmdiradm**.
5. Run the following command from the FP510P-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.

Confirming that the fix pack has been applied successfully

After installation, the file \$INSTALL_DIR/bin/FP510P-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 FP510P-02 subdirectory:


```
uninstall_update
```




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