



Fix pack FP510H-02 README  
IBM Directory Server 5.1  
HP-UX operating system





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## Fix pack FP510H-02

Fix pack: FP510H-02

Date: October, 2003

IBM® Directory Server Version 5.1

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### 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>

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### Problems fixed

The following new fixes are in FP510H-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)**

**xlite\_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.

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## Dependencies

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

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## Fix pack contents

The archive for this fix pack is named FP510H-02.tar and contains the following files:

File	bytes	sum -r
=====	=====	=====
FP510H-02Readme.pdf	-	-
install_update	4577	56565
uninstall_update	1772	51667
update_webadmin	1626	04686
data\all_files.list	2379	34164
data\patch.tar	57804800	19977

The client installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510H-02Readme.pdf	-	-
FP510H-02.txt	55	17689
ibmdirctl	77976	05275
ldapchangepwd	84488	46839
ldapdelete	78736	61449
ldapexop	137304	40407
ldapmodify	105720	00978
ldapmodrtn	79072	54319
ldapsearch	112560	03846
ldamsg	30912	32448
ldapchangepwd.c	30414	62655
ldapdelete.c	26547	63942
ldapmodify.c	56577	10665
ldapmodrtn.c	29118	16725
ldapsearch.c	59054	57760
makefile.ex	3479	36593
sample.ldif	17338	32229
lber.h	1633	62011
ldap.h	48303	31465
ldif.h	4336	46572
audit-plugin-list.h	2010	16334
audit-plugin.h	11964	45154
ldaplocale.h	5142	50698
ldapssl.h	17949	17290

slapi-plugin.h	11865	27914
ldap_plugin_sasl_cram-md5.sl	57312	32662
libibldap.sl	1181304	30907
libldapiconv.sl	21320	41205
libldapstatic.a	1522196	47852
libldif.sl	53104	46843

The Web Administration installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510H-02Readme.pdf	-	-
FP510H-02.txt	55	17689
dsm1/DSML.zip	752707	07122
IDSWebApp.war	1220566	33923

The server installation includes the following files:

File	bytes	sum -r
=====	=====	=====
FP510H-02Readme.pdf	-	-
FP510H-02.txt	55	17689
IDSproxyExe	37672	51312
dbback	69408	21322
dbrestore	68456	61497
ibmdiradm	913280	54947
ibmslapd	2329168	08592
ldapcfg	15425	29283
ldapdiff	9097	62911
ldapdiff.jar	129933	21432
ldapbp.jar	49437	33729
ldaqdsp	29216	51342
libavl.sl	38216	22816
libcfg32.sl	1805128	22389
liblber.sl	153200	19658
libldbm.sl	20328	09528
libldtr.sl	92216	08233
liblthread.sl	17144	40075
libmessage.sl	121856	37948
libsha_md5.sl	50392	09295
libtrc.sl	81704	54191
libutlsa.sl	113520	58615
libDSP.sl	84624	03381
libIDSproxyDll.sl	35336	37423
libback-config.sl	202560	29575
libback-rdbm.sl	3857080	36386
libcs91.sl	696296	62801
libcstr.sl	29128	47615
libdbadmin.sl	232032	13026
libevent.sl	234152	19884
libibldapcl.sl	136512	37691
libldacfg.sl	240816	18705
libldapaudit.sl	111784	41836
libldaprepl.sl	1517744	60727
libloga.sl	83464	04724
libslapi.sl	244992	33035
libtranext.sl	238232	63033
libtransys.sl	486408	17822
libutils.sl	5163912	58907
IDSConfig.jar	1706430	55107
config/OpNav.Java.Application.ser	635	29664
console_runtime/jhall.jar	376756	34639
console_runtime/jopnav.jar	520307	64847
console_runtime/jopnavfw.jar	299931	14825
console_runtime/jt400.jar	3429383	57128
console_runtime/jui400.jar	571584	02860
console_runtime/op.jar	978445	64559
console_runtime/settings/idsconsoleapp.jreg	205	10381

console_runtime/uitools.jar	1005270	12143
console_runtime/util400.jar	290012	40038
console_runtime/x4j400.jar	1803877	33231
csa_runtime/auibase.jar	285493	28704
csa_runtime/auifw.jar	318679	58459
csa_runtime/auil18n.jar	309063	29133
csa_runtime/auiswing.jar	472971	14393
csa_runtime/jhall.jar	402270	52882
csa_runtime/settings/data.properties	535	26517
csa_runtime/settings/framework.properties	785	63995
csa_runtime/settings/registry.properties	732	09846
csa_runtime/settings/trace.properties	425	51192
csa_runtime/swing11spinner_Runtime.jar	161875	00481
csa_runtime/uil.jar	1117025	26287
csa_runtime/xerces.jar	1803877	33231
Schema.jar	2141337	35666
SchemaMigrate.jar	42653	18844
bulkload	881640	56835
cfgmodify	85448	14203
db2ldif	592272	14709
ldif	36472	01880
ldif2db	583432	53011
ldtrc	218776	03681
ltou	34304	36685
migrate51	34037	38236
rc.ibmdir	1304	49489
runscript	53872	08605
runstats	550576	39894
utol	34304	30384

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## 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 FP510H-02.tar file to a directory with at least 145 MB of free space. This creates a new directory named FP510H-02 that contains the following files and subdirectories:
  - install\_update
  - uninstall\_update
  - update\_webadmin
  - FP510H-02Readme.pdf
  - data
3. Log in as root.
4. Stop **ibmslapd** and **ibmdiradm**.
5. Run the following command from the FP510H-02 subdirectory:  
install\_update

When you run this command, you might receive the following error message on HP-UX 11.00 only:

```
This patch requires PAM Kerberos package: J5849AA
Please install the J5849AA module for this OS and try again
```

If you receive this message, you must download and install the Pluggable Authentication Module (PAM) Kerberos package (J5849AA) from the following Web address: <http://www.software.hp.com/cgi->

bin/swdepot\_parser.cgi/cgi/displayProductInfo.pl?productNumber=J5849AA.  
Then run the **install\_update** command again.

**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/IBMldap/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/IBMldap/`
- 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  
`$BOBCAT_HOME/bin/stopServer.sh server1`
- f. Run the following command from the FP510H-02 subdirectory:  
`update_webadmin`
- g. Restart the application server:  
`$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/bin/FP510H-02.txt contains the following:

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

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## 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 FP510H-02 subdirectory:  
`uninstall_update`
4. If you updated the Web Administration Tool, run step 6 on page 6 again.







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