



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



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

Contents

Fix pack FP510H-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 FP510H-02

Fix pack: FP510H-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 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 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 FP510H-02.tar and contains the following files:

File	bytes	sum -r
FP510H-02Readme.pdf	-	-
FP510H-02.txt	55	17689
install_update	4426	50802
uninstall_update	1710	61031
update_webadmin	1581	42694
data/all_files.list	2272	40070
data/patch.tar	57886720	58758

The client installation includes the following files:

File	bytes	sum -r
bin/FP510H-02Readme.pdf	-	-
bin/FP510H-02.txt	55	17689
bin/ibmdirctl	77976	05275
bin/ldapchangepwd	84488	46839
bin/ldapdelete	78736	61449
bin/ldapexop	137304	40407
bin/ldapmodify	105720	00978
bin/ldapmodrdn	79072	54319
bin/ldapsearch	112560	03846
bin/ldamsg	30912	32448
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	3479	36593
examples/sample.ldif	17338	32229
include/lber.h	1633	62011
include/ldap.h	48303	31465
include/ldif.h	4336	46572
include/audit-plugin-list.h	2010	16334
include/audit-plugin.h	11964	45154
include/ldaplocale.h	5142	50698

include/ldapssl.h	17949	17290
include/slapi-plugin.h	11865	27914
lib/ldap_plugin_sasl_cram-md5.sl	57312	32662
lib/libibldap.sl	1181304	30907
lib/libldapiconv.sl	21320	41205
lib/libldapstatic.a	1522196	47852
lib/libldif.sl	53104	46843

The Web Administration installation includes the following files:

File	bytes	sum -r
=====	=====	=====
bin/FP510H-02Readme.pdf	-	-
bin/FP510H-02.txt	55	17689
idstools/dsml/DSML.zip	752707	07122
idstools/IDSWebApp.war	12205660	33923

The server installation includes the following files:

File	bytes	sum -r
=====	=====	=====
bin/FP510H-02Readme.pdf	-	-
bin/FP510H-02.txt	55	17689
bin/IDSproxyExe	37672	51312
bin/dbback	69408	21322
bin/dbrestore	68456	61497
bin/ibmdiradm	913280	54947
bin/ibmslapd	2329168	08592
bin/ldapcfg	15425	29283
bin/ldapdiff	9097	62911
bin/ldapdiff.jar	129933	21432
bin/ldapbp.jar	49437	33729
bin/ldaqpdp	29216	51342
lib/libavl.sl	38216	22816
lib/libcfg32.sl	1805128	22389
lib/liblber.sl	153200	19658
lib/libldbml.sl	20328	09528
lib/libldtr.sl	92216	08233
lib/liblthread.sl	17144	40075
lib/libmessage.sl	121856	37948
lib/libsha_md5.sl	50392	09295
lib/libtrc.sl	81704	54191
lib/libutlsa.sl	113520	58615
lib/libDSP.sl	84624	03381
lib/libIDSproxyDll.sl	35336	37423
lib/libback-config.sl	202560	29575
lib/libback-rdbm.sl	3857080	36386
lib/libcsgl.sl	696296	62801
lib/libcstr.sl	29128	47615
lib/libdbadmin.sl	232032	13026
lib/libevent.sl	234152	19884
lib/libibldapcl.sl	136512	37691
lib/libldacfg.sl	240816	18705
lib/libldapaudit.sl	111784	41836
lib/libldaprepl.sl	1517744	60727
lib/libloga.sl	83464	04724
lib/libslapi.sl	244992	33035
lib/libtranext.sl	238232	63033
lib/libtransys.sl	486408	17822
lib/libutils.sl	5163912	58907
config/IDSConfig.jar	1706430	55107
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/auil18n.jar	309063	29133
config/csa_runtime/auswing.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/uil.jar	1117025	26287
config/csa_runtime/xerces.jar	1803877	33231
sbin/Schema.jar	2141337	35666
sbin/SchemaMigrate.jar	42653	18844
sbin/bulkload	881640	56835
sbin/cfgmodify	85448	14203
sbin/db2ldif	592272	14709
sbin/ldif	36472	01880
sbin/ldif2db	583432	53011
sbin/ldtrc	218776	03681
sbin/ltou	34304	36685
sbin/migrate51	34037	38236
sbin/rc.ibmdir	1304	49489
sbin/runscript	53872	08605
sbin/runstats	550576	39894
sbin/utol	34304	30384

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 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
 - FP510H-02.txt
 - data
- Log in as root.
- Stop **ibmslapd** and **ibmdiradm**.
- 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 install the IDWebApp.war file provided with the fix pack into your application server, using the documentation for the application server.

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
```

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 again.



Printed in U.S.A.