



Fix pack FP520-01 README for IBM Tivoli Directory Server 5.2



Fix pack FP520-01 README for IBM Tivoli Directory Server 5.2

Contents

Fix pack FP520-01	1	Applying the fix pack	18
General description	1	Applying the fix pack on UNIX platforms (excluding AIX)	18
Problems fixed.	1	Applying the fix pack on AIX	18
Platforms	6	Applying the fix pack on Windows	19
Dependencies	6	Uninstalling the fix pack	20
Fix pack contents	6	Uninstalling the fix pack on UNIX platforms (excluding AIX)	20
AIX	6	Uninstalling the fix pack on AIX	20
HP-UX	8	Uninstalling the fix pack on Windows	20
Linux i386.	10	Confirming the fix pack has been applied successfully	20
Linux pSeries.	11	Functionality/Behavior Impact	21
Linux s390.	13		
Solaris	14		
Windows	16		

Fix pack FP520-01

Fix pack: FP520-01

Date: July, 2004

IBM® Tivoli Directory Server Version 5.2

General description

The fix pack contains fixes for problems encountered in IBM Tivoli Directory Server Version 5.2. The APAR number for the problem is listed in "Problems fixed." Refer to the specific APAR for more detail.

For information on changes and fixes that occurred after the product documentation was translated, see the *IBM Tivoli Directory Server README Addendum Version 5.2*. The Addendum file is in English only and can also be found on the IBM Tivoli Directory Server Library Web page:

http://publib.boulder.ibm.com/tividd/td/IBMDS/ID7002517S_52/en_US/PDF/addendum52.pdf

Problems fixed

These fixes apply across all platforms (see "Platforms" on page 6).

New fixes in FP520-01:

APAR IR52568 (CMVC 82799)

ibm-slapdSetenv is overwritten in config by ldapcfg utility.

APAR IR52768 (CMVC 82946)

ldapcompare() API always returns **true** with password policy on.

APAR IR52775 (CMVC 82949)

Replication fails if client performs multiple operations per bind.

APAR IR52949 (CMVC 83224)

Modify/replace without value does not behave as expected. It must delete the attribute.

APAR IR52964 (CMVC 83328)

db2ldif: exports CN=NULL for some groups.

APAR IR53117 (CMVC 83436)

An entry DN containing an attribute name not defined in schema might result in server SEGV.

APAR IR53125 (CMVC 82797)

db2ldif leaks memory.

APAR IR53295 (CMVC 83954)

-t option not working correctly in ldapcfg. The server starts in config mode.

APAR IR53383 (CMVC 84198)

There is a memory leak when processing filter acls.

- APAR IR53491 (CMVC 82947)**
Enforce password reuse policy when changing another user's password.
- APAR IR53496 (CMVC 84081)**
ibmslapd on Windows defaults to a maximum of 64 connections. See "2.2.8 Communications error: Exceeding 64 connections/OCH" in *IBM Tivoli Directory Server README Addendum Version 5.2*.
- APAR IR53519 (CMVC 84333)**
ibmdirctl hangs when supplied invalid password and server is offline.
- APAR IR53609 (CMVC 84824, 84867)**
Using ldapexop to read a large audit log is very slow.
- APAR IR53820 (CMVC 84776)**
Modify-replace with no values for an attribute gives a 0-length value. The attribute must be removed from the entry.
- APAR IR53863 (CMVC 84385)**
Support OpenLDAP LDAP kerberos client.
- APAR IR53964 (CMVC 82555)**
db2restore generates an invalid timestamp for database backup.
- APAR IR53965 (CMVC 82664, 84327)**
imask passwords are not matching for passwords greater than 46 characters in length. This might cause the ldapcompare API to fail when comparing large passwords.
- APAR IR53967 (CMVC 82526)**
Auditing of log extended operations does not show log type.
- APAR IR53968 (CMVC 84802)**
ibm-membergroup entry not being deleted when group is deleted.
- APAR IR53969 (CMVC 82877)**
Reset sleepFailInterval to 5 seconds when replication connection fails.
- APAR IR53970 (CMVC 82837)**
The server can core after repeated updates using certain codepages.
- APAR IR53971 (CMVC 83237)**
Duplicate results are possible with null base search.
- APAR IR53972 (CMVC 82922)**
Supplier not replicating updates to consumers after skipped changes.
- APAR IR53973 (CMVC 82889)**
Fix memory leaks when chasing referrals.
- APAR IR53974 (CMVC 83257)**
Bulkload logs and displays error if unique attribute tables are not yet created. This is not an error and must not be logged.
- APAR IR53975 (CMVC 83396)**
stderr is redirected improperly causing a hang condition.
- APAR IR53977 (CMVC 83458)**
Memory corruption with regard to Windows 850 codepage.
- APAR IR53978 (CMVC 82869)**
Log errors in CLI log pertaining to DB2 not having a large enough statement buffer.

APAR IR53979 (CMVC 84071)

Server can core under heavy load if changelog is enabled.

APAR IR53980 (CMVC 83871)

Enable changelog entries to use GMT timestamps instead of local time.
Environment variable CLOG_USE_GMT=YES enabled.

APAR IR53981 (CMVC 84611)

Bulkload cores when input contains undefined attribute.

APAR IR54001 (CMVC 85946)

On all distributions of Linux, the number of connections which the server can open has increased from approximately 1000 to approximately 8000.

Note: In order to use more connections you must override the operating system-imposed limit on the maximum file descriptors, such as:

```
ulimit -n 8192
```

APAR IR54013 (CMVC 83606)

Failed Bind Reports as Successful with password policy on.

APAR IR54022 (CMVC 84926)

LDAP client library might enter infinite loop if the process runs out of memory when an LDAP request is sent to the server.

APAR IR54023 (CMVC 83720)

The following URL:

<http://www.securityfocus.com/bid/9682/info/>

describes an exploit that leads to a buffer overflow of the iLDAP daemon. Although the same code does not give a remote shell from the ITDS 5.2 server, the code crashes the server. Only ITDS 5.2 gold is vulnerable.

APAR IR54024 (CMVC 82364)

Search of cn=changelog sorted descending by changenumber returns LDAP Operations Error (rc=1).

APAR IR54025 (CMVC 82828)

Certain replication agreements can cause server to core at startup. A debug trace shows the last message printed before SEGV is
*****MasterSrvInfo:*****

APAR IR54026 (CMVC 82928)

Configuring a database using ldapcfg fails on UNIX if the DB2 instance owner does not have execute (x) permission for current working directory.

APAR IR54032 (CMVC 82527)

Changing the Admin Group membership from the Emergency Thread must not be enabled as it can result in memory corruption.

APAR IR54033 (CMVC 83231)

If a search operation with scope subtree or onelevel requests alias dereferencing, and aliases exist in the directory, and all attributes specified in the search filter are configured to be cached in the attribute cache, then the results returned by the search operation might not be correct.

APAR IR54034 (CMVC 83579)

If a server is configured to use the attribute cache, but not enough memory is configured for the attribute cache or not enough memory is available for the attribute cache, the server might hang or leak memory.

APAR IR54041 (CMVC 83487)

The line
"Log: {log type}"

where {log type} is one of { "Slapd", "CLI", "Audit", "Bulkload", "Admin", "AdminAudit", "Debug", "Unknown" } has been added to the audit (V2) entry for an extended operation on a log file to specify the type of log file being accessed.

APAR IR54042 (CMVC 83483)

Memory leak on extended operations when audit is off or audit plugin is disabled (removed).

APAR IR54043 (CMVC 83722)

The server leaks memory when log files are read remotely using "ldapexop -op readlog" or using Web Admin.

APAR IR54044 (CMVC 85415)

The functions slapi_is_connection_ssl() & slapi_get_client_port() are not exported from libslapi.a on AIX.

APAR IR54045 (CMVC 83494)

cn=workers,cn=monitor does not return the thread attribute if auditing is turned off.

APAR IR54046 (CMVC 83482)

When auditing is set to V1 it still prints V2-only data for TLS connections and proxy controls.

APAR IR54048 (CMVC 86153)

Note: This APAR applies to AIX platforms only.
A 64-bit AIX server plugin using slapi_pblock_get() to get an int param corrupts memory and destabilizes the server. Certain slapi pblock parameters are defined as integers (as opposed to a pointer of some kind). These need to be returned as int (32 bit) even on 64 bit platforms. On 64-bit platforms (AIX) slapi_pblock_get() must cast the following parameters to 32-bit integer:

Parameter	Integer definition
SLAPI_PLUGIN_TYPE	5
SLAPI_PLUGIN_ARGC	7
SLAPI_PLUGIN_VERSION	8
SLAPI_PLUGIN_OPRETURN	9
SLAPI_PLUGIN_INTOP_RESULT	15
SLAPI_CONFIG_LINENO	41
SLAPI_CONFIG_ARGC	42
SLAPI_BIND_METHOD	70
SLAPI_MODRDN_DELOLDRDN	102
SLAPI_SEARCH_SCOPE	110
SLAPI_SEARCH_DEREF	111
SLAPI_SEARCH_SIZELIMIT	112
SLAPI_SEARCH_TIMELIMIT	113
SLAPI_SEARCH_ATTRONLY	117

SLAPI_NENTRIES	195
SLAPI_CHANGENUMBER	197
SLAPI_DBSIZE	199
SLAPI_REQUESTOR_ISROOT	133
SLAPI_BE_READONLY	136
SLAPI_BE_LASTMOD	137
SLAPI_CONN_ID	139
SLAPI_REQUESTOR_ISUPDATEDN	142
SLAPI_DB2LDIF_PRINTKEY	183
SLAPI_LDIF2DB_REMOVEDUPVALS	185
SLAPI_PWDPOLICY	189
SLAPI_MANAGEDSAIT	1000
SLAPI_PLUGIN_DB_INIT_FN	-19
SLAPI_IBM_BROADCAST_BE	-23
SLAPI_IBM_REPLICATE	-27
SLAPI_IBM_CL_MAX_ENTRIES	-30
SLAPI_IBM_CL_FIRST_ENTRY	-32
SLAPI_IBM_CL_LAST_ENTRY	-33
SLAPI_IBM_EVENT_ENABLED	-42
SLAPI_IBM_EVENT_MAXREG	-43
SLAPI_IBM_EVENT_REGPERCONN	-44
SLAPI_PLUGIN_MAX_PEN_DIS	-85
SLAPI_IBM_CL_MAX_AGE	-95
SLAPI_IS_EM	-102

APAR IR54049 (CMVC 83408)

Server support for modifyDN with newSuperior attribute on a leaf node (RFC 2251 section 4.9).

APAR IR54052 (CMVC 83287)

Bulkload leaks memory during parse phase if entries include attributes which are not string syntax (such as, boolean, time, integer).

APAR IR54053 (CMVC 82588)

Note: This APAR applies to AIX platforms only.

Cannot run ITDS 5.2 for AIX on OS/400 in AIX compatibility mode due to an unnecessary linkage dependency on libtli.a

APAR IR54055 (CMVC 83643)

Server leaks memory performing subtree search of NULL base DN.

APAR IR54056 (CMVC 85258)

If language tags are disabled, ignore any attribute that has a tag associated with it.

APAR IR54059 (CMVC 84255)

Server might ABEND under stress on Solaris in multi processor environment.

APAR IR54060 (CMVC 84959)

rootdse must include "ibm-supportedCapabilities: 1.3.18.0.2.32.26" (Null Base Subtree Search)

Platforms

The following platforms are supported for this fix pack:

- AIX
- HP-UX
- Linux s390
- Linux pSeries
- Linux i386
- Solaris
- Windows

Dependencies

IBM Tivoli Directory Server 5.2 must be installed.

Fix pack contents

The following are the fix pack contents for each specified platform:

AIX

The archive for this fix pack is named FP520A-01.tar and contains the following files:

File	bytes	cksum	sum -r
FP520A-01/install_update.sh	4901	4158374838	17165
FP520A-01/uninstall_update.sh	3247	2845294107	22064
FP520A-01/UPDATES/.toc	2016	742683540	57282
FP520A-01/UPDATES/ldap.client.adt.bff	307200	3043937734	52434
FP520A-01/UPDATES/ldap.client.rte.bff	2335744	2309407930	03455
FP520A-01/UPDATES/ldap.max_crypto_client.rte.bff	1896448	3765022912	16701
FP520A-01/UPDATES/ldap.max_crypto_server.com.bff	1308672	4088865762	12424
FP520A-01/UPDATES/ldap.server.cfg.bff	46080	981380423	65047
FP520A-01/UPDATES/ldap.server.com.bff	7005184	1720823504	54018
FP520A-01/UPDATES/ldap.server.rte.bff	6716416	3748213150	54892

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP520A-01.txt	----	----	----

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
/usr/ldap/bin/IBMLDAPJavaBer.jar	42096	2413246856	50855
/usr/ldap/bin/IDSproxyExe	32896	554832505	13148
/usr/ldap/bin/dbback	57408	4267279876	03876
/usr/ldap/bin/dbrestore	58299	1903976735	21003
/usr/ldap/bin/ibmdiradm	672848	3200188598	40828
/usr/ldap/bin/ibmdiradm	668004	2609669405	05661
/usr/ldap/bin/ibmdirctl	38610	3470925078	54476

/usr/ldap/bin/ibmmultiadd	97377	2381490278	58848
/usr/ldap/bin/ibmslapd	1332304	2539829428	34775
/usr/ldap/bin/ibmslapdn	1332092	1068850525	03985
/usr/ldap/bin/ldamsg	27130	3665594617	28712
/usr/ldap/bin/ldapbp.jar	49437	199784888	33729
/usr/ldap/bin/ldapcfg	59774	3602285177	11997
/usr/ldap/bin/ldapchangepwd	45913	5475390	32479
/usr/ldap/bin/ldapdelete	44473	2750940262	54048
/usr/ldap/bin/ldapdiff	59801	338347611	49830
/usr/ldap/bin/ldapdiff.jar	133567	3998414919	55339
/usr/ldap/bin/ldapexop	107836	3339281758	62536
/usr/ldap/bin/ldapmodify	88249	503017456	48469
/usr/ldap/bin/ldapmodrdn	45321	1507204490	62577
/usr/ldap/bin/ldapsearch	94573	1489730773	39855
/usr/ldap/bin/ldaptrace	42821	4054347674	44026
/usr/ldap/bin/ldapucfg	59801	978201113	04134
/usr/ldap/bin/ldapxcfg	61549	1687863995	53087
/usr/ldap/config/IDConfig.jar	2971763	1401144556	33033
/usr/ldap/examples/ldapchangepwd.c	34443	1752328868	62393
/usr/ldap/examples/ldapdelete.c	29503	3469777378	00802
/usr/ldap/examples/ldapexop.c	142256	2828771201	18539
/usr/ldap/examples/ldapmodify.c	58156	1700887665	33561
/usr/ldap/examples/ldapmodrdn.c	30543	3199137981	49505
/usr/ldap/examples/ldapsearch.c	61506	3779822771	29464
/usr/ldap/examples/makefile.ex	4091	1752465038	01523
/usr/ldap/include/audit-plugin-list.h	3110	883381909	52353
/usr/ldap/include/audit-plugin.h	13269	1983768205	58152
/usr/ldap/include/lber.h	1633	1377037984	62011
/usr/ldap/include/ldap.h	54863	116232005	45815
/usr/ldap/include/ldaplocale.h	5132	2295141588	18001
/usr/ldap/include/ldapssl.h	17949	2337347919	17290
/usr/ldap/include/ldif.h	4343	1784490045	37164
/usr/ldap/include/slapi-plugin.h	12015	525783859	20895
/usr/ldap/lib/aix5/ldap_plugin_ibm_gsskrb_64.a	31183	2714118328	19960
/usr/ldap/lib/aix5/ldap_plugin_sasl_cram-md5_64.a	6778	4139213142	22125
/usr/ldap/lib/aix5/ldap_plugin_sasl_digest-md5_64.a	39582	1720801364	63369
/usr/ldap/lib/aix5/libibldap64.a	662728	1204711846	33747
/usr/ldap/lib/aix5/libibldap64n.a	623577	761070613	63787
/usr/ldap/lib/aix5/libldapiconv64.a	7514	1643314209	34903
/usr/ldap/lib/aix5/libldapstatic64.a	759481	1798010376	22825
/usr/ldap/lib/aix5/libldapstatic64n.a	713683	3376414335	21174
/usr/ldap/lib/aix5/libldif64.a	22509	399677873	43471
/usr/ldap/lib/ldap_plugin_ibm_gsskrb.a	32193	3671094918	07658
/usr/ldap/lib/ldap_plugin_sasl_cram-md5.a	6157	3387094548	56756
/usr/ldap/lib/ldap_plugin_sasl_digest-md5.a	39650	4114102671	40232
/usr/ldap/lib/libDSP.a	35960	2838896933	54543
/usr/ldap/lib/libDigest.a	96989	1639761432	31690
/usr/ldap/lib/libIDSproxyDll.a	17178	408320072	51274
/usr/ldap/lib/libback-config.a	380604	2318097450	23592
/usr/ldap/lib/libback-rdbm.a	2336905	2647066734	15145
/usr/ldap/lib/libbadadmin.a	205437	4043620133	28965
/usr/ldap/lib/libevent.a	86228	2403196869	35070
/usr/ldap/lib/libibldap.a	673627	4153650198	40321
/usr/ldap/lib/libibldapcfg.a	2204768	911194449	37691
/usr/ldap/lib/libibldapcl.a	53785	658337926	32097
/usr/ldap/lib/libibldapn.a	632748	1385579965	11767
/usr/ldap/lib/libldacfg.a	111565	1476743944	29928
/usr/ldap/lib/libldapaudit.a	51547	1810162991	29002
/usr/ldap/lib/libldapiconv.a	6783	4136545722	21704
/usr/ldap/lib/libldapjrt.a	28337	1768111994	05797
/usr/ldap/lib/libldapkrb.a	56906	3217157551	36049
/usr/ldap/lib/libldaprepl.a	641289	3376720163	32851
/usr/ldap/lib/libldapstatic.a	762201	1716689478	17852
/usr/ldap/lib/libldapstaticn.a	714871	117792409	58583
/usr/ldap/lib/libldif.a	24041	1149123766	60132
/usr/ldap/lib/liblog.a	45912	2937199111	27676
/usr/ldap/lib/libmessage.a	111063	2183490195	39994

/usr/ldap/lib/libslapi.a	280520	2744467371	39754
/usr/ldap/lib/libtranext.a	272978	4201595520	10261
/usr/ldap/lib/libtransys.a	331467	2769713064	65326
/usr/ldap/lib/libtrc.a	44191	3560735038	48984
/usr/ldap/lib/libutils.a	3016815	1909803675	06637
/usr/ldap/lib/libutlsa.a	65491	3443747071	34335
/usr/ldap/sbin/SchemaMigrate.jar	42862	2592875377	60237
/usr/ldap/sbin/bulkload	758683	1583305967	02661
/usr/ldap/sbin/cfgmodify	68837	1004623468	49307
/usr/ldap/sbin/db2ldif	609891	3966576868	47711
/usr/ldap/sbin/ldif	49779	3252338070	51579
/usr/ldap/sbin/ldif2db	530773	1479571397	41762
/usr/ldap/sbin/ldtrc	128517	927081979	35054
/usr/ldap/sbin/ltou	272110	1374674901	13419
/usr/ldap/sbin/migrate52	39613	2184782838	39944
/usr/ldap/sbin/runscript	24926	566009430	53490
/usr/ldap/sbin/runstats	487048	1300560948	61377
/usr/ldap/sbin/uto1	272137	841142964	03283

HP-UX

The archive for this fix pack is named FP520H-01.tar and contains the following files:

File	bytes	cksum	sum -r
FP520H-01/install_update.sh	19082	3082681659	31836
FP520H-01/uninstall_update.sh	19082	3082681659	31836
FP520H-01/data/all_files.list	1593	134702624	49995
FP520H-01/data/patch.tar.Z	15469467	3610176572	33759

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
/usr/IBMLdap/bin/FP520H-01.txt	54	1800699001	16943

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
/usr/IBMLdap/bin/IBMLDAPJavaBer.jar	42096	2413246856	50855
/usr/IBMLdap/bin/IDSproxyExe	32768	4015140108	46270
/usr/IBMLdap/bin/dbback	49152	2819931749	06165
/usr/IBMLdap/bin/dbrestore	49152	1870828659	10618
/usr/IBMLdap/bin/ibmdiradm	462848	824465820	42814
/usr/IBMLdap/bin/ibmdiradmN	458752	2004157715	20271
/usr/IBMLdap/bin/ibmdirctl	40960	1655853824	08428
/usr/IBMLdap/bin/ibmmultiadd	77824	4063112211	18242
/usr/IBMLdap/bin/ibmslapd	2384744	617493450	54754
/usr/IBMLdap/bin/ibmslapdn	1404928	1119998245	49419
/usr/IBMLdap/bin/ldamsg	28672	2142354907	40835
/usr/IBMLdap/bin/ldapbp.jar	49437	199784888	33729
/usr/IBMLdap/bin/ldapcfg	15570	1727291636	24059
/usr/IBMLdap/bin/ldapchangepwd	49152	3595135896	16997
/usr/IBMLdap/bin/ldapdelete	45056	1634633450	17796
/usr/IBMLdap/bin/ldapdiff	9165	4006213554	24357
/usr/IBMLdap/bin/ldapdiff.jar	133567	3998414919	55339
/usr/IBMLdap/bin/ldapexop	94208	3112342942	01552
/usr/IBMLdap/bin/ldapmodify	61440	1639414543	03206
/usr/IBMLdap/bin/ldapmodrdn	49152	2028306213	33619
/usr/IBMLdap/bin/ldapsearch	65536	1791062056	16555
/usr/IBMLdap/bin/ldaptrace	45056	4293896274	60048
/usr/IBMLdap/bin/ldaqsdp	24576	2730003552	01719
/usr/IBMLdap/config/IDSConfig.jar	1860018	1888387804	03368

/usr/IBMldap/examples/README	8390	3155403282	60987
/usr/IBMldap/examples/ldapchangepwd.c	34443	1752328868	62393
/usr/IBMldap/examples/ldapdelete.c	29503	3469777378	00802
/usr/IBMldap/examples/ldapexop.c	142256	2828771201	18539
/usr/IBMldap/examples/ldapmodify.c	58156	1700887665	33561
/usr/IBMldap/examples/ldapmodrdn.c	30543	3199137981	49505
/usr/IBMldap/examples/ldapsearch.c	61506	3779822771	29464
/usr/IBMldap/examples/makefile.ex	3560	2954575666	18758
/usr/IBMldap/include/audit-plugin-list.h	3110	883381909	52353
/usr/IBMldap/include/audit-plugin.h	13269	1983768205	58152
/usr/IBMldap/include/lber.h	1633	1377037984	62011
/usr/IBMldap/include/ldap.h	54863	116232005	45815
/usr/IBMldap/include/ldaplocale.h	5132	2295141588	18001
/usr/IBMldap/include/ldapsl.h	17949	2337347919	17290
/usr/IBMldap/include/ldif.h	4343	1784490045	37164
/usr/IBMldap/include/slapi-plugin.h	12015	525783859	20895
/usr/IBMldap/lib/ldap_plugin_sasl_cram-md5.sl	45056	3361737770	62164
/usr/IBMldap/lib/ldap_plugin_sasl_digest-md5.sl	36864	2556655146	08202
/usr/IBMldap/lib/libDSP.sl	24576	3876127545	37948
/usr/IBMldap/lib/libDigest.sl	122880	3196743850	07558
/usr/IBMldap/lib/libIDSproxyDll.sl	24576	243448081	42713
/usr/IBMldap/lib/libavl.sl	28672	424141734	07614
/usr/IBMldap/lib/libback-config.sl	224584	1310677273	36238
/usr/IBMldap/lib/libback-rdbm.sl	4182796	1084127541	48750
/usr/IBMldap/lib/libcsgl.sl	438272	1488062095	12059
/usr/IBMldap/lib/libcstr.sl	12288	1973483329	39245
/usr/IBMldap/lib/libdbadmin.sl	167936	112423631	28892
/usr/IBMldap/lib/libevent.sl	102400	2679892682	61626
/usr/IBMldap/lib/libibmldap.sl	712704	4150513274	58480
/usr/IBMldap/lib/libibmldapcfg.sl	1974272	1541754124	54242
/usr/IBMldap/lib/libibmldapcl.sl	57344	2129377293	08057
/usr/IBMldap/lib/libibmldapn.sl	684032	965080569	55853
/usr/IBMldap/lib/liblber.sl	106496	1470234463	01757
/usr/IBMldap/lib/libldacfg.sl	98304	600185288	14635
/usr/IBMldap/lib/libldapaudit.sl	77824	1089085229	49836
/usr/IBMldap/lib/libldapiconv.sl	12288	3323537766	35593
/usr/IBMldap/lib/libldapiconvstatic.a	9092	3020225616	48872
/usr/IBMldap/lib/libldaprepl.sl	843776	268547463	52998
/usr/IBMldap/lib/libldapstatic.a	743890	2716218702	37393
/usr/IBMldap/lib/libldapstaticn.a	662086	490641217	29769
/usr/IBMldap/lib/libldbmsl	12288	700983305	07962
/usr/IBMldap/lib/libldif.sl	32768	2640702315	15147
/usr/IBMldap/lib/libldifstatic.a	27636	3213128328	46101
/usr/IBMldap/lib/libldtr.sl	73728	2556442448	58935
/usr/IBMldap/lib/libloga.sl	57344	4038653037	52456
/usr/IBMldap/lib/liblthread.sl	12288	1449835881	05363
/usr/IBMldap/lib/libmessage.sl	106496	2096246002	08101
/usr/IBMldap/lib/libsha_md5.sl	45056	943522464	27141
/usr/IBMldap/lib/libslapi.sl	344064	1942598709	49203
/usr/IBMldap/lib/libslleeper.sl	12288	3317853075	56281
/usr/IBMldap/lib/libtranext.sl	132140	624972501	56089
/usr/IBMldap/lib/libtransys.sl	315392	1105918790	23894
/usr/IBMldap/lib/libtrc.sl	45056	1745820200	31492
/usr/IBMldap/lib/libutils.sl	5308416	3657929897	31952
/usr/IBMldap/lib/libutlsa.sl	61440	2259585689	23426
/usr/IBMldap/sbin/SchemaMigrate.jar	42881	3933507702	40326
/usr/IBMldap/sbin/bulkload	630784	1210150620	61770
/usr/IBMldap/sbin/cfgmodify	40960	206920009	63729
/usr/IBMldap/sbin/db2ldif	454656	3976712456	28222
/usr/IBMldap/sbin/ldif	32768	987096152	25640
/usr/IBMldap/sbin/ldif2db	323584	2728082540	28545
/usr/IBMldap/sbin/ldtrc	131072	2506819129	27273
/usr/IBMldap/sbin/ltou	28672	1153827475	30285
/usr/IBMldap/sbin/migrate52	39613	2184782838	39944
/usr/IBMldap/sbin/runscript	24576	662464009	54694

/usr/IBMLdap/sbin/runstats	307200	224100815	01714
/usr/IBMLdap/sbin/trcmgwin.ldif	121	872321605	44738
/usr/IBMLdap/sbin/uto1	28672	2034803500	49296

Linux i386

The archive for this fix pack is named FP520L-01.tar and contains the following files:

File	bytes	cksum	sum -r
FP520L-01/install_update.sh	19046	2913325027	29005
FP520L-01/uninstall_update.sh	19046	2913325027	29005
FP520L-01/data/all_files.list	1377	113062827	11310
FP520L-01/data/patch.tar.gz	6377890	2716627480	09809

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP520L-01.txt	54	1800699001	16943

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
/usr/ldap/bin/IBMLDAPJavaBer.jar	42096	2413246856	50855
/usr/ldap/bin/IDSproxyExe	18756	510589462	21103
/usr/ldap/bin/dbback	41244	520357476	28273
/usr/ldap/bin/dbrestore	41309	1308159164	49082
/usr/ldap/bin/ibmdiradm	211019	3153191797	59523
/usr/ldap/bin/ibmdiradm.ksh	48	1328104074	05787
/usr/ldap/bin/ibmdirctl	33290	2480413413	25281
/usr/ldap/bin/ibmmultiadd	61367	126953218	26882
/usr/ldap/bin/ibmslapd	682932	3832637123	39888
/usr/ldap/bin/ibmslapdn	682868	536636742	53792
/usr/ldap/bin/ldamsg	16136	4215881087	00372
/usr/ldap/bin/ldapbp.jar	49437	199784888	33729
/usr/ldap/bin/ldapcfg	15564	280109474	02764
/usr/ldap/bin/ldapchangepwd	32132	273509086	17250
/usr/ldap/bin/ldapdelete	31889	2646901633	12024
/usr/ldap/bin/ldapdiff	9162	3315085829	10595
/usr/ldap/bin/ldapdiff.jar	133567	3998414919	55339
/usr/ldap/bin/ldapexop	69627	2939264716	64287
/usr/ldap/bin/ldapmodify	52862	4084441757	57409
/usr/ldap/bin/ldapmodrdn	32473	1175681413	13429
/usr/ldap/bin/ldapsearch	65433	2428381911	47729
/usr/ldap/bin/ldaptrace	34240	2500888474	52708
/usr/ldap/config/IDSCConfig.jar	2039462	3058179239	00097
/usr/ldap/examples/ldapchangepwd.c	34443	1752328868	62393
/usr/ldap/examples/ldapdelete.c	29503	3469777378	00802
/usr/ldap/examples/ldapexop.c	142256	2828771201	18539
/usr/ldap/examples/ldapmodify.c	58156	1700887665	33561
/usr/ldap/examples/ldapmodrdn.c	30543	3199137981	49505
/usr/ldap/examples/ldapsearch.c	61506	3779822771	29464
/usr/ldap/examples/makefile.ex	3482	1619162265	51847
/usr/ldap/include/audit-plugin-list.h	3110	883381909	52353
/usr/ldap/include/audit-plugin.h	13269	1983768205	58152
/usr/ldap/include/lber.h	1633	1377037984	62011
/usr/ldap/include/ldap.h	54863	116232005	45815
/usr/ldap/include/ldaplocale.h	5132	2295141588	18001
/usr/ldap/include/ldapssl.h	17949	2337347919	17290
/usr/ldap/include/ldif.h	4343	1784490045	37164
/usr/ldap/include/slapi-plugin.h	12015	525783859	20895
/usr/ldap/lib/ldap_plugin_sasl_cram-md5.so	7143	1509084669	30246
/usr/ldap/lib/ldap_plugin_sasl_digest-md5.so	29492	1645996593	64739

/usr/ldap/lib/libDSP.so	24334	2118363315	44928
/usr/ldap/lib/libDigest.so	83692	1790049470	60334
/usr/ldap/lib/libIDSproxyDll.so	11548	3382390601	02143
/usr/ldap/lib/libback-config.so	128251	1135707199	30749
/usr/ldap/lib/libback-rdbm.so	2115623	3164687495	39443
/usr/ldap/lib/libbadadmin.so	121605	2821742109	29596
/usr/ldap/lib/libevent.so	76377	311264875	44370
/usr/ldap/lib/libibmldap.so	417613	1081393094	51459
/usr/ldap/lib/libibmldapcfg.so	3136079	2649756296	06667
/usr/ldap/lib/libibmldapcl.so	34538	1181828926	09898
/usr/ldap/lib/libibmldapn.so	393663	4125779633	23179
/usr/ldap/lib/libldacfg.so	61464	681289857	08060
/usr/ldap/lib/libldapaudit.so	47919	2477714200	37773
/usr/ldap/lib/libldapiconv.so	7301	519057091	48120
/usr/ldap/lib/libldapjrt.so	24142	612290609	26190
/usr/ldap/lib/libldaprepl.so	514004	952980624	01459
/usr/ldap/lib/libldapstatic.a	467502	495115415	08601
/usr/ldap/lib/libldapstaticn.a	431028	2141542880	55962
/usr/ldap/lib/libldif.a	14282	989703896	32966
/usr/ldap/lib/libloga.so	38455	1290274573	63433
/usr/ldap/lib/libmessage.so	85130	1713099415	14023
/usr/ldap/lib/libslapi.so	253908	1125312760	62711
/usr/ldap/lib/libtranext.so	31245	2545544605	57006
/usr/ldap/lib/libtransys.so	276855	3175566753	51306
/usr/ldap/lib/libtrc.so	24938	4014865418	19031
/usr/ldap/lib/libutils.so	2031635	3803080735	54675
/usr/ldap/lib/libutlsa.so	40321	858744481	02030
/usr/ldap/sbin/SchemaMigrate.jar	42862	3234701157	54737
/usr/ldap/sbin/bulkload	360350	878048331	40416
/usr/ldap/sbin/cfgmodify	38620	1616753879	01068
/usr/ldap/sbin/db2ldif	278417	307664739	53017
/usr/ldap/sbin/ldif	29528	1875382958	59456
/usr/ldap/sbin/ldif2db	196512	2322071445	42703
/usr/ldap/sbin/ldtrc	75945	3324709964	19842
/usr/ldap/sbin/ltou	20167	3364496047	34174
/usr/ldap/sbin/migrate52	39613	2184782838	39944
/usr/ldap/sbin/runscript	14319	1666877529	26586
/usr/ldap/sbin/runstats	177132	2015618157	21775
/usr/ldap/sbin/utol	20170	2837629409	41996

Linux pSeries

The archive for this fix pack is named FP520P-01.tar and contains the following files:

File	bytes	cksum	sum -r
FP520P-01/install_update.sh	19046	2913325027	29005
FP520P-01/uninstall_update.sh	19046	2913325027	29005
FP520P-01/data/all_files.list	1434	3447174411	23896
FP520P-01/data/patch.tar.gz	4902629	1434394567	56989

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP520P-01.txt	54	1800699001	16943

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
/usr/ldap/bin/IBMLDAPJavaBer.jar	42096	2413246856	50855
/usr/ldap/bin/IDSproxyExe	25823	1864753945	20441
/usr/ldap/bin/dbback	44024	3142991115	09268
/usr/ldap/bin/dbrestore	43510	2737985041	17236

/usr/ldap/bin/ibmdiradm	196280	1250664407	46547
/usr/ldap/bin/ibmdirctl	39532	2186713321	21782
/usr/ldap/bin/ibmmultiadd	55962	3378767839	35528
/usr/ldap/bin/ibmslapd	584940	2299010258	22053
/usr/ldap/bin/ldamsg	23618	2257122468	15254
/usr/ldap/bin/ldapbp.jar	49437	199784888	33729
/usr/ldap/bin/ldapcfg	15564	280109474	02764
/usr/ldap/bin/ldapchangepwd	38559	981446992	11645
/usr/ldap/bin/ldapdelete	37663	1523824382	07581
/usr/ldap/bin/ldapdiff	9162	3315085829	10595
/usr/ldap/bin/ldapdiff.jar	133567	3998414919	55339
/usr/ldap/bin/ldapexop	77203	2548942987	07734
/usr/ldap/bin/ldapmodify	49578	442385758	32712
/usr/ldap/bin/ldapmodrdn	38331	675614071	39906
/usr/ldap/bin/ldapsearch	58036	468742428	11490
/usr/ldap/bin/ldaptrace	41024	3840406437	27176
/usr/ldap/bin/ldaqsdp	21227	2017188489	39448
/usr/ldap/config/IDSConfig.jar	2039462	823685765	56167
/usr/ldap/examples/ldapchangepwd.c	34443	1752328868	62393
/usr/ldap/examples/ldapdelete.c	29503	3469777378	00802
/usr/ldap/examples/ldapexop.c	142256	2828771201	18539
/usr/ldap/examples/ldapmodify.c	58156	1700887665	33561
/usr/ldap/examples/ldapmodrdn.c	30543	3199137981	49505
/usr/ldap/examples/ldapsearch.c	61506	3779822771	29464
/usr/ldap/examples/makefile.ex	3514	3492744728	63890
/usr/ldap/include/audit-plugin-list.h	3110	883381909	52353
/usr/ldap/include/audit-plugin.h	13269	1983768205	58152
/usr/ldap/include/lber.h	1633	1377037984	62011
/usr/ldap/include/ldap.h	54863	116232005	45815
/usr/ldap/include/ldaplocale.h	5132	2295141588	18001
/usr/ldap/include/ldapssl.h	17949	2337347919	17290
/usr/ldap/include/ldif.h	4343	1784490045	37164
/usr/ldap/include/slapi-plugin.h	12015	525783859	20895
/usr/ldap/lib/ldap_plugin_sasl_cram-md5.so	16433	3632444445	30486
/usr/ldap/lib/ldap_plugin_sasl_digest-md5.so	49796	1762363583	38857
/usr/ldap/lib/libDSP.so	25636	2620820271	39143
/usr/ldap/lib/libDigest.so	68120	1145867781	10319
/usr/ldap/lib/libIDSProxyDll.so	22328	4213153640	49958
/usr/ldap/lib/libback-config.so	99452	2139615272	59078
/usr/ldap/lib/libback-rdbm.so	1375055	2190640269	60681
/usr/ldap/lib/libbadadmin.so	130849	98516414	36917
/usr/ldap/lib/libevent.so	58507	404331148	27924
/usr/ldap/lib/libibldap.so	506745	4266655779	58982
/usr/ldap/lib/libibldapcfg.so	357863	406410109	26813
/usr/ldap/lib/libibldapcl.so	41068	1377367748	27302
/usr/ldap/lib/liblber.so	62900	3195757943	42449
/usr/ldap/lib/libldacfg.so	76289	2862660917	26207
/usr/ldap/lib/libldapaudit.so	41555	578159153	58011
/usr/ldap/lib/libldapiconv.so	16487	3220563858	38726
/usr/ldap/lib/libldapiconvstatic.a	2980	3233492626	00940
/usr/ldap/lib/libldapjrt.so	37312	414232906	25095
/usr/ldap/lib/libldaprepl.so	358013	1628322349	17339
/usr/ldap/lib/libldapstatic.a	550740	2315530062	57904
/usr/ldap/lib/libldif.so	28374	1760871549	12432
/usr/ldap/lib/libldifstatic.a	14958	3587036549	39669
/usr/ldap/lib/libloga.so	34868	1237379097	02604
/usr/ldap/lib/libmessage.so	96539	752250997	52944
/usr/ldap/lib/libsha_md5.so	22526	2056143831	58985
/usr/ldap/lib/libslapi.so	161606	583421475	54158
/usr/ldap/lib/libsleep.so	18706	334332319	10815
/usr/ldap/lib/libtranext.so	33681	801690753	34368
/usr/ldap/lib/libtransys.so	240489	3597521550	62856
/usr/ldap/lib/libtrc.so	34440	874485953	63471
/usr/ldap/lib/libutils.so	2077915	1907536065	53050
/usr/ldap/lib/libutlsa.so	49494	1159796176	49688
/usr/ldap/sbin/SchemaMigrate.jar	42862	3900078092	64799
/usr/ldap/sbin/bulkload	318174	969753644	51288

/usr/ldap/sbin/cfgmodify	36189	1107757258	32505
/usr/ldap/sbin/db2ldif	214441	1761947632	39841
/usr/ldap/sbin/ldif	25568	2466910227	21018
/usr/ldap/sbin/ldif2db	186514	3280517432	34379
/usr/ldap/sbin/ldtrc	81097	3222041388	30108
/usr/ldap/sbin/ltou	32506	2182034337	08784
/usr/ldap/sbin/migrate52	39613	2184782838	39944
/usr/ldap/sbin/runscript	17634	1056014156	37600
/usr/ldap/sbin/runstats	170644	318699611	51821
/usr/ldap/sbin/trcmgwin.ldif	121	872321605	44738
/usr/ldap/sbin/utol	32509	155090954	15891

Linux s390

The archive for this fix pack is named FP520T-01.tar and contains the following files:

File	bytes	cksum	sum -r
FP520T-01/install_update.sh	19046	2913325027	29005
FP520T-01/uninstall_update.sh	19046	2913325027	29005
FP520T-01/data/all_files.list	1402	2499302505	44875
FP520T-01/data/patch.tar.gz	5102034	1366555530	33220

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
/usr/ldap/bin/FP520T-01.txt	54	1800699001	16943

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
/usr/ldap/bin/IBMLDAPJavaBer.jar	42096	2413246856	50855
/usr/ldap/bin/IDSproxyExe	17195	1824579941	21908
/usr/ldap/bin/dbback	35118	3034159280	38212
/usr/ldap/bin/dbrestore	34872	2687787264	22386
/usr/ldap/bin/ibmdiradm	187983	437357154	59297
/usr/ldap/bin/ibmdiradm.ksh	48	1328104074	05787
/usr/ldap/bin/ibmdirctl	31554	507306379	00482
/usr/ldap/bin/ibmmultiadd	59980	3530377434	36395
/usr/ldap/bin/ibmslapd	555798	2044922241	24432
/usr/ldap/bin/ibmslapdn	555510	2826746061	43322
/usr/ldap/bin/ldamsg	14998	242448865	43297
/usr/ldap/bin/ldapbp.jar	49437	199784888	33729
/usr/ldap/bin/ldapcfg	15564	280109474	02764
/usr/ldap/bin/ldapchangepwd	31251	2049960287	62749
/usr/ldap/bin/ldapdelete	29951	428528870	38241
/usr/ldap/bin/ldapdiff	9162	3315085829	10595
/usr/ldap/bin/ldapdiff.jar	133567	3998414919	55339
/usr/ldap/bin/ldapexop	69195	1579726222	31470
/usr/ldap/bin/ldapmodify	53127	2617457009	16884
/usr/ldap/bin/ldapmodrdrn	30667	2057715516	35098
/usr/ldap/bin/ldapsearch	63567	3735382584	28015
/usr/ldap/bin/ldaptrace	32826	1072556409	46117
/usr/ldap/config/IDSConfig.jar	2039462	3949441915	54758
/usr/ldap/examples/ldapchangepwd.c	34443	1752328868	62393
/usr/ldap/examples/ldapdelete.c	29503	3469777378	00802
/usr/ldap/examples/ldapexop.c	142256	2828771201	18539
/usr/ldap/examples/ldapmodify.c	58156	1700887665	33561
/usr/ldap/examples/ldapmodrdrn.c	30543	3199137981	49505
/usr/ldap/examples/ldapsearch.c	61506	3779822771	29464
/usr/ldap/examples/makefile.ex	3482	2306843847	05618
/usr/ldap/include/audit-plugin-list.h	3110	883381909	52353
/usr/ldap/include/audit-plugin.h	13269	1983768205	58152

/usr/ldap/include/lber.h	1633	1377037984	62011
/usr/ldap/include/ldap.h	54863	116232005	45815
/usr/ldap/include/ldaplocale.h	5132	2295141588	18001
/usr/ldap/include/ldapssl.h	17949	2337347919	17290
/usr/ldap/include/ldif.h	4343	1784490045	37164
/usr/ldap/include/slapi-plugin.h	12015	525783859	20895
/usr/ldap/lib/ldap_plugin_sasl_cram-md5.so	7019	3081678096	21889
/usr/ldap/lib/ldap_plugin_sasl_digest-md5.so	27892	2130086167	51413
/usr/ldap/lib/libDSP.so	22449	2328525167	14985
/usr/ldap/lib/libDigest.so	57841	289720541	47636
/usr/ldap/lib/libIDSproxyDll.so	12170	4248131888	05540
/usr/ldap/lib/libback-config.so	92219	333368715	53210
/usr/ldap/lib/libback-rdbm.so	1359341	446829968	06772
/usr/ldap/lib/libdbadmin.so	128180	3390562611	39130
/usr/ldap/lib/libevent.so	53864	3454266578	59587
/usr/ldap/lib/libibldap.so	420931	1891817557	42785
/usr/ldap/lib/libibldapcfg.so	391272	2970938653	50456
/usr/ldap/lib/libibldapcl.so	33679	3447908260	41645
/usr/ldap/lib/libibldapn.so	400637	2113090870	15769
/usr/ldap/lib/libldacfg.so	55964	2855902275	31199
/usr/ldap/lib/libldapaudit.so	33298	249013491	25568
/usr/ldap/lib/libldapiconv.so	7666	1538843507	65109
/usr/ldap/lib/libldapiconvstatic.a	3236	1481729260	26292
/usr/ldap/lib/libldapjrt.so	20676	1807347098	27230
/usr/ldap/lib/libldaprepl.so	344392	2110728265	18738
/usr/ldap/lib/libldapstatic.a	495106	2017332118	62864
/usr/ldap/lib/libldapstaticn.a	460126	2951303885	10352
/usr/ldap/lib/libldif.a	15154	1085739746	45577
/usr/ldap/lib/libloga.so	27855	2947101106	55787
/usr/ldap/lib/libmessage.so	81807	4044138809	54409
/usr/ldap/lib/libslapi.so	158755	1908404184	28137
/usr/ldap/lib/libtrnext.so	25537	519119106	17827
/usr/ldap/lib/libtransys.so	226518	1247839575	46473
/usr/ldap/lib/libtrc.so	27893	561231317	61897
/usr/ldap/lib/libutils.so	2177319	1675557234	11261
/usr/ldap/lib/libutlsa.so	41789	2167667263	61091
/usr/ldap/sbin/SchemaMigrate.jar	42862	2534040062	50671
/usr/ldap/sbin/bulkload	304265	1916068341	51989
/usr/ldap/sbin/cfgmodify	39858	3375554956	50553
/usr/ldap/sbin/db2ldif	204956	8745211	25023
/usr/ldap/sbin/ldif	29057	435085780	20609
/usr/ldap/sbin/ldif2db	176869	2758012975	53310
/usr/ldap/sbin/ldtrc	71677	1503761932	32992
/usr/ldap/sbin/ltou	24167	4024090770	14285
/usr/ldap/sbin/migrate52	39613	2184782838	39944
/usr/ldap/sbin/runscript	12782	3331096264	57431
/usr/ldap/sbin/runstats	161295	3019259968	14267
/usr/ldap/sbin/uto1	24166	3586133508	36371

Solaris

The archive for this fix pack is named FP520S-01.tar and contains the following files:

File	bytes	cksum	sum -r
FP520S-01/install_update.sh	19046	2913325027	29005
FP520S-01/uninstall_update.sh	19046	2913325027	29005
FP520S-01/data/all_files.list	1984	87050444	54945
FP520S-01/data/patch.tar.Z	10468004	3311116491	17005

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
/opt/IBMldap/bin/FP520S-01.txt	54	1800699001	16943

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
/opt/IBMDapc/bin/ibmdirctl	25708	2233084318	59996
/opt/IBMDapc/bin/ibmmultiadd	61912	1237047279	48186
/opt/IBMDapc/bin/ldamsg	10896	4029791390	21731
/opt/IBMDapc/bin/ldapchangepwd	27268	3038340879	55781
/opt/IBMDapc/bin/ldapdelete	26588	2345055503	62078
/opt/IBMDapc/bin/ldapexop	74392	2288197117	13665
/opt/IBMDapc/bin/ldapmodify	55612	3974889893	30471
/opt/IBMDapc/bin/ldapmodrtn	27144	3627386544	57987
/opt/IBMDapc/bin/ldapsearch	62196	1524784170	50420
/opt/IBMDapc/bin/ldaptrace	28324	150263811	57776
/opt/IBMDapc/examples/ldapchangepwd.c	34443	1752328868	62393
/opt/IBMDapc/examples/ldapdelete.c	29503	3469777378	00802
/opt/IBMDapc/examples/ldapexop.c	142256	2828771201	18539
/opt/IBMDapc/examples/ldapmodify.c	58156	1700887665	33561
/opt/IBMDapc/examples/ldapmodrtn.c	30543	3199137981	49505
/opt/IBMDapc/examples/ldapsearch.c	61506	3779822771	29464
/opt/IBMDapc/examples/makefile.ex	3526	3508729482	19220
/opt/IBMDapc/include/audit-plugin-list.h	3110	883381909	52353
/opt/IBMDapc/include/audit-plugin.h	13269	1983768205	58152
/opt/IBMDapc/include/iber.h	1633	1377037984	62011
/opt/IBMDapc/include/ldap.h	54863	116232005	45815
/opt/IBMDapc/include/ldapssl.h	17949	2337347919	17290
/opt/IBMDapc/include/ldif.h	4343	1784490045	37164
/opt/IBMDapc/include/slapi-plugin.h	12015	525783859	20895
/opt/IBMDapc/lib/ldap_plugin_sasl_cram-md5.so	7764	2688938983	06949
/opt/IBMDapc/lib/ldap_plugin_sasl_digest-md5.so	38240	1829916519	28834
/opt/IBMDapc/lib/libibmdap.so	645128	1574091184	43746
/opt/IBMDapc/lib/libldapiconv.so	9964	3006350330	14584
/opt/IBMDapc/lib/libldapiconvstatic.a	6660	1589318279	30618
/opt/IBMDapc/lib/libldapstatic.a	692904	2870957175	05480
/opt/IBMDapc/lib/libldif.a	21060	2241106872	13173
/opt/IBMDaps/bin/IBMLDAPJavaBer.jar	42096	2413246856	50855
/opt/IBMDaps/bin/IDSproxyExe	14800	4228092161	54071
/opt/IBMDaps/bin/dbback	492040	3488612004	24977
/opt/IBMDaps/bin/dbrestore	492636	2317331418	15318
/opt/IBMDaps/bin/ibmdiradm	751552	351144181	41194
/opt/IBMDaps/bin/ibmslapd	1415816	3698069114	50645
/opt/IBMDaps/bin/ldapbp.jar	49437	199784888	33729
/opt/IBMDaps/bin/ldapcfg	15572	932950617	33322
/opt/IBMDaps/bin/ldapdiff	9166	2062787888	31058
/opt/IBMDaps/bin/ldapdiff.jar	133567	3998414919	55339
/opt/IBMDaps/config/IDSPConfig.jar	2041495	2180485865	35952
/opt/IBMDaps/lib/libDSP.so	20792	789633830	06270
/opt/IBMDaps/lib/libDigest.so	77360	3171974650	56089
/opt/IBMDaps/lib/libIDSproxyDll.so	14192	186702185	62609
/opt/IBMDaps/lib/libback-config.so	135836	1264700028	13829
/opt/IBMDaps/lib/libback-rdbm.so	2088092	1280022024	13372
/opt/IBMDaps/lib/libdbadmin.so	685360	3162339569	60071
/opt/IBMDaps/lib/libevent.so	85952	417407800	43744
/opt/IBMDaps/lib/libibmdapcfg_CC.so	2038644	847112786	24970
/opt/IBMDaps/lib/libibmdapcl.so	41152	1041954310	18762
/opt/IBMDaps/lib/libldacfg.so	73976	598873649	63659
/opt/IBMDaps/lib/libldapaudit.so	39028	3194141067	56568
/opt/IBMDaps/lib/libldaprepl.so	576824	2914896710	47119
/opt/IBMDaps/lib/libldtr.so	15064	652644884	58757
/opt/IBMDaps/lib/libloga.so	33872	2331075765	32385
/opt/IBMDaps/lib/libmessage.so	91348	3543988379	40624
/opt/IBMDaps/lib/libslapi.so	206284	2828147682	31970
/opt/IBMDaps/lib/libtranext.so	27828	1827786649	65212
/opt/IBMDaps/lib/libtransys.so	94536	2997879351	19940
/opt/IBMDaps/lib/libtrc.so	45556	2713530041	35888

/opt/IBMDaps/lib/libutils.so	3148580	1595983698	43978
/opt/IBMDaps/lib/libutlsa.so	56832	2159916156	19880
/opt/IBMDaps/sbin/SchemaMigrate.jar	42926	2933093779	37211
/opt/IBMDaps/sbin/bulkload	897396	4118560180	54535
/opt/IBMDaps/sbin/cfgmodify	502368	291185587	14845
/opt/IBMDaps/sbin/db2ldif	814472	3050512675	22852
/opt/IBMDaps/sbin/ldif	29848	2496786067	28491
/opt/IBMDaps/sbin/ldif2db	707444	751043201	46024
/opt/IBMDaps/sbin/ldtrc	84312	173981718	47043
/opt/IBMDaps/sbin/ltou	477152	3392279237	40726
/opt/IBMDaps/sbin/migrate52	39613	2184782838	39944
/opt/IBMDaps/sbin/runscript	9688	546705691	08011
/opt/IBMDaps/sbin/runstats	681292	1654281987	56328
/opt/IBMDaps/sbin/uto1	477144	241567731	63398

Windows

The archive for this fix pack is named FP520W-01.zip and contains the following files:

File	bytes	cksum	sum -r
FP520W-01\setup.exe	30461106	3704162495	56757
FP520W-01\archive.jar	43931215	1482620471	45988
FP520W-01\media.inf	13	2589763230	58904

Installing the update adds the following file to your system:

File	bytes	cksum	sum -r
%LDAPHome%\bin\FP520W-01.txt	63	18228149	39979

The following files are updated with the accompanying sizes and sums. Depending on the packages and options used in the original product installation, you might not have all of the following files:

File	bytes	cksum	sum -r
%LDAPHome%\bin\IBMLDAPJavaBer.jar	42096	2413246856	50855
%LDAPHome%\bin\IDSproxyDll.dll	24830	181468178	23603
%LDAPHome%\bin\IDSproxyExe.exe	21362	2166487881	53096
%LDAPHome%\bin\SHSMP.DLL	116432	3186840877	27703
%LDAPHome%\bin\SHSMPd.DLL	190976	1173065809	21358
%LDAPHome%\bin\SchemaMigrate.jar	42862	2673622731	55602
%LDAPHome%\bin\bulkload.exe	334448	3544970113	29563
%LDAPHome%\bin\cfgmodify.exe	43739	2555883754	47632
%LDAPHome%\bin\db2ldif.exe	230155	2368124687	14356
%LDAPHome%\bin\dbback.exe	34972	3435281702	01455
%LDAPHome%\bin\dbrestore.exe	35239	322099346	47485
%LDAPHome%\bin\ibmdiradm.exe	198503	3620280836	38004
%LDAPHome%\bin\ibmdirctl.exe	33411	1412538121	01157
%LDAPHome%\bin\ibmldapcfg.dll	305404	2018414843	18971
%LDAPHome%\bin\ibmmultiadd.exe	62312	2531352508	09862
%LDAPHome%\bin\ibmslapd.exe	712105	2390783565	37407
%LDAPHome%\bin\ldacfg.dll	73214	2130593426	16973
%LDAPHome%\bin\ldamsg.exe	20143	350278482	54658
%LDAPHome%\bin\ldap.dll	395441	2775520972	17022
%LDAPHome%\bin\ldap_ph.dll	58896	2511465514	27124
%LDAPHome%\bin\ldap_plugin_ibm_gsskrb.dll	31873	97774384	12363
%LDAPHome%\bin\ldap_plugin_sasl_cram-md5.dll	23198	11776633	18200
%LDAPHome%\bin\ldap_plugin_sasl_digest-md5.dll	40745	2620758547	18057
%LDAPHome%\bin\ldapadd.exe	56275	1688128703	11687
%LDAPHome%\bin\ldapbp.jar	49437	199784888	33729
%LDAPHome%\bin\ldapcfg.exe	22775	1565840819	08389
%LDAPHome%\bin\ldapchangepwd.exe	30562	3840998550	04631
%LDAPHome%\bin\ldapdelete.exe	30227	99655033	60563
%LDAPHome%\bin\ldapdiff.exe	22776	2053171698	46208
%LDAPHome%\bin\ldapdiff.jar	133567	3998414919	55339

%LDAPHome%\bin\ldapexop.exe	79448	2617398529	53665
%LDAPHome%\bin\ldapjrt.dll	31668	1222696569	13591
%LDAPHome%\bin\ldapmodify.exe	56275	1688128703	11687
%LDAPHome%\bin\ldapmodrtn.exe	34627	2538865076	32130
%LDAPHome%\bin\ldapsearch.exe	60363	3892590753	05781
%LDAPHome%\bin\ldaptrace.exe	34350	3896282139	56534
%LDAPHome%\bin\ldapucfg.exe	22776	2766914628	21497
%LDAPHome%\bin\ldapxcfg.exe	22776	2073896751	39052
%LDAPHome%\bin\ldif.exe	26872	2937539315	62039
%LDAPHome%\bin\ldif2db.exe	191499	1569152319	12595
%LDAPHome%\bin\ldtrc.exe	68020	372108786	60755
%LDAPHome%\bin\ldtrcd.exe	20037	2049594441	28313
%LDAPHome%\bin\libDSP.dll	36111	3364883127	41185
%LDAPHome%\bin\libDigest.dll	67501	1813648809	60082
%LDAPHome%\bin\libback-config.dll	89531	1066526828	52757
%LDAPHome%\bin\libback-rdbm.dll	1389947	2569755211	12527
%LDAPHome%\bin\libcl.dll	46960	2190481736	08573
%LDAPHome%\bin\libdbadmin.dll	177300	2583467123	01662
%LDAPHome%\bin\libevent.dll	52283	1928066160	04790
%LDAPHome%\bin\libldapaudit.dll	43375	3997176913	61967
%LDAPHome%\bin\libldapiconv.dll	23946	3076283702	30268
%LDAPHome%\bin\libldapkrb.dll	47767	3591849570	53736
%LDAPHome%\bin\libldaprepr.dll	371233	3368832541	33253
%LDAPHome%\bin\libloga.dll	41718	1103290260	15728
%LDAPHome%\bin\libmessage.dll	99122	3184054338	53345
%LDAPHome%\bin\libmsgs.dll	86016	3396738132	45929
%LDAPHome%\bin\libslapi.dll	153691	353772315	12087
%LDAPHome%\bin\libtranext.dll	35692	1711028379	43911
%LDAPHome%\bin\libtransys.dll	158554	4006426235	19031
%LDAPHome%\bin\libtrc.dll	40541	212676548	65351
%LDAPHome%\bin\libutils.dll	1323930	3891406294	36664
%LDAPHome%\bin\libutlsa.dll	41723	3127354776	27696
%LDAPHome%\bin\ltou.exe	20216	490688130	27199
%LDAPHome%\bin\runstats.exe	165136	3065041109	09407
%LDAPHome%\bin\uto1.exe	20220	167880431	12830
%LDAPHome%\config\IDSConfig.jar	2059429	1189888344	29586
%LDAPHome%\examples\getopt.c	1590	2090084485	20165
%LDAPHome%\examples\ldapchangepwd.c	35559	3694094032	43184
%LDAPHome%\examples\ldapdelete.c	30375	3420861261	57941
%LDAPHome%\examples\ldapexop.c	146992	1991981410	29210
%LDAPHome%\examples\ldapmodify.c	60008	178445060	39924
%LDAPHome%\examples\ldapmodrtn.c	31448	2534638156	52535
%LDAPHome%\examples\ldapsearch.c	63248	1319681194	56347
%LDAPHome%\examples\makefile.ex	4164	3773856574	26300
%LDAPHome%\include\audit-plugin-list.h	3205	1088798553	58947
%LDAPHome%\include\audit-plugin.h	13643	3348734374	50721
%LDAPHome%\include\lber.h	1690	2601408596	07655
%LDAPHome%\include\ldap.h	56279	1628411919	19978
%LDAPHome%\include\ldaplocale.h	5333	1610832070	23402
%LDAPHome%\include\ldapssl.h	18249	3056274632	51552
%LDAPHome%\include\ldif.h	4476	1531774735	54751
%LDAPHome%\include\slapi-plugin.h	12363	1388291967	36103
%LDAPHome%\lib\ldap.lib	250894	1512658485	24535
%LDAPHome%\lib\ldapstatic.lib	1316360	1078057055	52415
%LDAPHome%\lib\libldapiconv.lib	6186	2122561925	43520
%LDAPHome%\lib\libldapiconvstatic.lib	7202	83543307	16461
%LDAPHome%\lib\libldif.lib	30842	2347940719	49931
%LDAPHome%\lib\libmsg.lib	119908	1530169006	53970
%LDAPHome%\lib\libmsgs.lib	33478	1033499879	22052
%LDAPHome%\lib\libslapi.lib	83612	2123938200	36971

Applying the fix pack

You can apply this fix pack on the following platforms:

- AIX
- HP-UX
- Linux s390
- Linux pSeries
- Linux i386
- Solaris
- Windows

Go to the appropriate section for your platform:

- “Applying the fix pack on UNIX platforms (excluding AIX)”
- “Applying the fix pack on AIX”
- “Applying the fix pack on Windows” on page 19

Applying the fix pack on UNIX platforms (excluding AIX)

Do the following to apply the fix pack:

1. Stop all IBM Tivoli Directory Server client or server processes, including the LDAP server, custom LDAP applications, and Web administration. Programs and libraries cannot be replaced while they are in use.
2. Extract the tar file to a directory with free space as defined in the following table:

Platforms	Storage requirements
FP520H-01.tar (HP-UX)	57 MB free space
FP520L-01.tar (Linux i386)	29 MB free space
FP520P-01.tar (Linux pSeries)	21 MB free space
FP520T-01.tar (Linux s390)	23 MB free space
FP520S-01.tar (Solaris)	42 MB free space

This creates a new directory named FP520<platform>-01, where <platform> is the operating system designator. The new directory contains the following files and subdirectories:

```
install_update.sh  
uninstall_update.sh  
data/
```

3. Log in as root.
4. Run the following command from the FP520<platform>-01 subdirectory:
`./install_update.sh`

Note: The install_update script saves a backup of your previous version of IBM Tivoli Directory Server in the data subdirectory. Do not remove the data subdirectory if you intend to uninstall the update.

Applying the fix pack on AIX

You need at least 30 MB free space for a server fix pack installation.

For each computer targeted to receive the fix pack, be sure that the IBM Tivoli Directory Server server is stopped, and any client applications linked to the shared libraries are stopped. Programs and libraries cannot be replaced while they are in use.

Note: After stopping the clients and server, you must run **slibclean** to unload shared libraries from memory before they can be replaced. See step 3.

1. Copy the fix pack archive file (FP520A-01.tar) to a directory with sufficient free disk space to hold the archive file.
2. Log in as root.
3. Open a command prompt and type the following.

```
# slibclean
# cd {directory where FP520A-01.tar is}
# tar -xvf FP520A-01.tar
```

Note: All remaining steps use this command prompt.

After untarring the archive, a new directory named FP520A-01 exists. This directory contains the following files and subdirectories:

```
UPDATES (directory containing the update images)
UPDATES.list (a text file containing the filesets for this fix pack)
install_update (the fix pack install script)
uninstall_update (the fix pack uninstall script)
```

4. Apply the fix pack by typing the following:

```
# ./install_update
```

Note: Installation status information is recorded in the ./install_update.LOG file. If you see a status of FAILED for filesets that are not installed on the computer, you can ignore this.

Attention: Do not commit the fix pack install unless you are certain that you will never need to restore the previous software level. Committing the install deletes the backup files of the previous version. The only reason to commit the install is to recover the disk space used for the backup files.

If you are sure you want to commit the filesets after applying, you can do so by running the installation script again with the **-c** option:

```
# ./install_update -c
```

After you commit the fix pack, the only way to back out the fix pack is to uninstall and reinstall the product.

Applying the fix pack on Windows

You must have 80 MB free space on your computer to install this fix pack.

Note: Client or Web Admin GUI install options are not available for this fix pack.

Do the following to apply the fix pack:

1. Extract the file FP520W-01.zip to a local directory on the computer where you are installing the fix pack.
2. For each computer targeted to receive the fix pack, stop all applications that are running and close all windows.
3. Run the following command from the FP520W-01 folder in the directory where the fix pack was extracted:

```
setup.exe
```

The fix pack install Welcome Panel is displayed.

Note: If the installation program exits without displaying the fix pack install Welcome Panel, it might be caused by one of the following:

- Backlevel video drivers. Update your video drivers to the most recent levels to correct this.
 - Not enough space in the directory specified by the TEMP environment variable. Be sure that you have at least 100 MB of free space in this directory.
4. Click **Next** to continue the installation.
 5. Follow all on-screen instructions.
 6. If your computer must be restarted, a panel is displayed stating that you must restart your computer. Select to restart your computer now or later.
 7. Click **Finish**.
 8. After your computer has restarted (if necessary), you can now restart your servers. You can also restart any applications previously stopped.

Uninstalling the fix pack

Do the following to uninstall the fix pack on each platform.

Uninstalling the fix pack on UNIX platforms (excluding AIX)

To uninstall the fix pack:

1. Log in as root.
2. Stop all IBM Tivoli Directory Server client or server processes, including the LDAP server, and Web administration. Programs and libraries cannot be replaced while they are in use.
3. Run the following command from the FP520<platform>-01 subdirectory:
`./uninstall_update.sh`

Uninstalling the fix pack on AIX

The fix pack can only be uninstalled if you have not committed the install.

To uninstall the fix pack:

1. Log in as root.
2. Stop **ibmslapd** and **ibmdiradm**.
3. From the directory where FP520A-01.tar was extracted, run the `uninstall_update` script by typing the following command:
`# FP520A-01/uninstall_update`

Uninstalling the fix pack on Windows

The fix pack cannot be uninstalled.

Confirming the fix pack has been applied successfully

After installation, confirm the following files:

- `/usr/ldap/bin/FP520A-01.txt` (AIX)
- `/usr/IBMldap/bin/FP520H-01.txt` (HP-UX)
- `/usr/ldap/bin/FP520L-01.txt` (Linux i386)
- `/usr/ldap/bin/FP520P-01.txt` (Linux pSeries)

- /usr/ldap/bin/FP520T-01.txt (Linux s390)
- /opt/IBMLdapc/bin/FP520S-01.txt (Solaris)
- %LDAPHOME%/bin/FP520W-01.txt (Windows)

contain the following information:

IBM Directory Release: aus52ldap Build: 040628a

Functionality/Behavior Impact

Changes in the functionality or behavior of IBM Tivoli Directory Server after upgrading to this fix pack:

APAR	Impact			Description
	Low	Medium	High	
IR53980	✓			To use GMT timestamps in the changelog, use environment variable CLOG_USE_GMT=YES.
IR53978	✓			If server hangs when searching using a very large filter, see the CLI log for details.
IR53967 IR54041	✓			The audit entry for a log extended operation must contain: 'Log: <Log Name>' where <Log Name> is one of the following: <ul style="list-style-type: none"> • Slapd • CLI • Audit • Bulkload • Admin • AdminAudit
IR52949		✓		A modify replace which contains an attribute without a value deletes that attribute from the target entry.
IR54001		✓		On all distributions of Linux, the number of connections which the server can open has increased from approximately 1000 to approximately 8000. Note: In order to use more connections you must override the operating system-imposed limit on the maximum file descriptors, such as: ulimit -n 8192
IR54026	✓			If the DB2 instance owner has execute (x) permission to the /tmp directory, ldapcfg/ldapxcfg now works from any directory.
IR54032		✓		Changes to the Administrative group are no longer enabled from the emergency thread.
IR54044	✓			libslapi.a on AIX now exports the functions slapi_is_connection_ssl() & slapi_get_client_port()
IR54045		✓		cn=workers,cn=monitor now returns subentries for each worker thread whether audit is enabled.

IR54046	✓			V1 format audit entries no longer include extra information for TLS connections or proxy controls.
IR54049	✓			The server enables a moddn operation to move a leaf entry (an entry with no sub-entries) to a new parent.
IR54053	✓			Note: This APAR applies to AIX platforms only.ITDS 5.2 fix pack 1 for AIX now runs on AS/400 in AIX compatability mode.
IR54056		✓		If language tags are disabled, server now ignores any attribute that has a tag associated with it.
IR54060	✓			rootdse now includes the attribute-value "ibm-supportedCapabilities: 1.3.18.0.2.32.26"



Printed in USA