

Sun Java™ System Directory Server Release Notes for HP-UX

Version 5.2 2005Q4

Part Number 819-4252-10

These Release Notes contain important information available at the time of release of Sun Java System Directory Server 5.2 2005Q4 for HP-UX. Known issues and limitations, and other information are addressed here. Read this document before you begin using Directory Server 5.2.

The most up-to-date version of these release notes can be found at the Sun Java System documentation web site: <http://docs.sun.com/app/docs/prod/entsys.05q4>. Check the web site prior to installing and setting up your software. Then check the web site periodically thereafter to view the most up-to-date release notes and product documentation.

These release notes contain the following sections:

- [Release Notes Revision History](#)
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- [Bugs Fixed in This Release](#)
- [Important Information](#)
- [Known Issues and Limitations](#)
- [Redistributable Files](#)
- [How to Report Problems and Provide Feedback](#)
- [Additional Sun Resources](#)

Third-party URLs are referenced in this document and provide additional, related information.

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Release Notes Revision History

Table 1 Revision History

Date	Description
February 2006	Revenue release.
November 2005	Beta release.

About Directory Server 5.2 2005Q4

Directory Server 5.2 2005Q4 is part of the Sun Java Enterprise System that delivers an integrated, core set of industry-leading enterprise network services that virtually all businesses need today.

The features of Directory Server are:

- Support for the modify DN operation provided by ldapv3
- Enhancements to the retro change log

The Directory Server commands and Administration Server commands are now documented as man pages. For more information, see [Documentation Notes](#).

This section includes:

- [What's New in This Release](#)
- [Hardware and Software Requirements](#)

What's New in This Release

The following new features have been introduced in the Directory Server 5.2 2005Q4:

- Support for the modify DN operation provided by ldapv3.
- Enhancements to the retro change log.
- The Directory Server commands and Administration Server commands are now documented as man pages. For more information, see [Documentation Notes](#).

- Directory Server 5.2 2005Q4 is now compatible to run as an application on 32-bit, as well as, 64-bit HP-UX operating systems.

The following feature was available in Directory Server 4.x but is not available in Directory Server 5.2:

Database Backend Plug-in Interface. The enhanced pre-operation interfaces may be used instead of the database backend plug-in interface, to implement plug-ins that are designed to provide access to alternative directory data stores.

Hardware and Software Requirements

The following software is required for Directory Server 5.2 2005Q4.

Table 2 HP-UX Hardware and Software Requirements

Component	Platform Requirement
Operating System	HP-UX 11i v1
RAM	128 Mbytes
Disk Space	256 Mbytes
Java	Java Runtime Environment 1.4.1.03

NOTE Directory Server 5.2 has been validated with HP-UX.

Bugs Fixed in This Release

Table 3 Fixed Bugs in Directory Server 5.2 2005Q4

Bug Number	Bug Synopsis
4817331	allow "Administrators" to reset the password
4972234	Account validation via LDAP bind without user password
5010313	DS 5.2. db2ldif -r removes the guardian file
5049830	Deletion operation is not flagged as dependent of a previous modification
5072212	MMR+SSL: Can't stop or use master after total update that failed
5100203	Add the rc code inside the could not be logged in the Changelog error
5103276	Hub not replicating due to Wrong ReplicaId 65535 in the Hub RUV
5106142	lack of out of disk space causes looping in db2bak internal TASK
6174806	Huge memory leak on mixed 5.1/5.2 topology (5.1 protocol)
6195685	DS 5.2patch2/aci returns incorrect results when fix for 4886766 is applied
6197763	fix 4974942 (in 5.2patch2) is wrong and can lead to a race condition when closing the connections
6199981	Memory leak in search "cn=config"
6200727	Memory leak in each replication session coming from a hub
6208161	Online indexation task request + search (evaluating role aci) -> DS deadlock hang
6209991	bad server side sorting performances when data contains a lot of identical values
6212643	ns-slaped Memory leak when dn_normalization failed
6213363	Index corruption
6216291	passwordRetryCount does not get incremented when passwordResetFailureCount is set to 0
6218066	performance degradation in sub string searches using P2
6221840	DS5.2: Memory leak in Individual Password Policies
6224967	performance problems when doing searches with the en-US collation rule
6229360	Random crash with DSML pdu larger than 2K
6233091	memory leak with virtual attributes
6236844	add/delete of an attribute in one ldapmodify is not replicated correctly
6237734	multivalued substring index of DN syntax gets corrupted if value deleted

Table 3 Fixed Bugs in Directory Server 5.2 2005Q4

Bug Number	Bug Synopsis
6239107	fildif is not able to work with files larger than 2GB (CU LDIF export file in this case is 28GB)
6242270	Retro Changelog plugin fails to record changes if "regular" replication is disabled
6242420	Deleting multivalued attribute(s) in directory server 5.2 patch2 results in high etimes
6242741	Directory server crashes while processing ldapmodify with Retro Changelog plugin turned on
6252050	DS exits when aclas__handle_group_entry()tries to allocate 4GB
6245092	Directory Server hangs when running stop-slapd command
6252452	db2ldif.pl -r may hangs the server
6255151	duplicate nsunique ids can be generated
6255780	COS doesn't get effective for sub-sub-org. cos attributes are empty for a user in sub-sub-org
6261456	DS 5.2 P2 forces a checkpoint at the specified checkpoint interval even when no mods performed
6262066	On UNIX, Directory Server may crash if #fd resource limit is dynamically increased
6267280	Error during the creation of subsuffix or clone under a search workload
6267965	Searches for subtype attributes does not work correctly with nsslapd-search-tune enabled
6275420	Deadlock in database while evaluating the acls in a modify operation
6276993	DS 5.2p3 : crash in is_pending_value_mods because of uid uniqueness plugin
6281506	Replication may be slow to restart after a network outage
6282564	Restart of a Fractional Consumer breaks replication with WARNING<10271> - Partial Config Error
6283105	DS5.2 Patch3 Core Dumps within ids_sasl_check_bind due to NPE
6283717	A consumer does not detect there is pending operation and when closing an 'idle' replication cnx
6283860	DS5.2p3: modification lost when using ldapmodify
6285785	ds5ReplicaConsumerTimeout cannot be configured
6288249	Directory Server can hang if replication agreement is being initialized from another master
6290059	Performance issue when deleting non existent attribute
6343255	Remove time bomb in ns-slapd

Important Information

This section covers the following topics:

- [Installation Notes](#)
- [Documentation Notes](#)
- [Accessibility Features for People With Disabilities](#)

Installation Notes

For information about patch requirements and installation, see the following sections:

- [Patch Requirement Information](#)
- [General Installation Information](#)

Patch Requirement Information

The following table gives the numbers and minimum versions for the alignment patches. All patches referred to in this section are the minimum version number required for upgrade. It is possible that a new version of the patch has been issued since this document was published. A newer version is indicated by a different version number at the end of the patch. For example: 123456-04 is a newer version of 123456-02 but they are the same patch ID. Refer to the README file for each patch listed for special instructions.

To access the patches, go to <http://sunsolve.sun.com>.

Table 4 Directory Server 5.2 2005Q4 Alignment Patches Required For HP-UX

Patch Number	Patch Description
121515-01	HP-UX 11.11: Sun Java™ System Administration Server 5 2005Q4
121933-01	HP-UX 11.11: Sun Java™ System Administration Server 5 2005Q4 (Localization Patch)
121393-01	HP-UX 11.11: Sun Java™ System Directory Server 5 2005Q4
121931-01	HP-UX 11.11: Sun Java™ System Directory Server 5 2005Q4 (Localization Patch)

For detailed information about Upgrade procedure of the Directory Server from JES3 to JES4 refer *Sun Java Enterprise System 2005Q4 Upgrade Guide for HP-UX* located at <http://docs.sun.com/app/docs/doc/819-4460>.

Pre-requisites

In addition to the above mentioned system level and application level patches, Directory Server and Administration Server releases call for the installation of the following software:

- J2SDK 1.5 Runtime Environment: HP-UX depot 'Jre1.5'
- Perl version 5: HP-UX depot 'Perl5'

For more information about the Sun Java Enterprise System, see <http://www.sun.com/software/learnabout/enterprisesystem/index.html>.

General Installation Information

- For information about the default installation location of the help files, see [Documentation Notes](#).
- Installation paths that contain space characters are not supported. Do not use space characters in your installation path.

Documentation Notes

Help Files

Directory and Administration Server releases have been featured with the Online Help facility, that is delivered in the following formats:

- By default online-help files are installed at the following location, which the user can recall later from the Administration Console.

`/opt/sun/admin-server/5.2/manual/en/admin/help`

- The help files can be populated into the `SERVER_ROOT` during Configuration time.

Configuration Location: `SERVER_ROOT/manual/help`

Man Pages

Directory Server commands and Administration Server commands are now documented as man pages as well and delivered in the following formats:

- As HTML and PDF in the following new documents: *Sun Java System Directory Server 5.2 2005Q1 Man Page Reference* and *Sun Java System Administration Server 5.2 2005Q1 Man Page Reference*.
- As packages in the software distribution

► To Access the Man Pages

1. Ensure that the man page package contents [man1m & man1 directories] are installed in the following default locations:

```
sun-dirsrv-dsvmn in /opt/sun/directory-server/5.2/man
```

2. Update your MANPATH environment variable:

Run the following command:

```
$ export MANPATH=${MANPATH}:/opt/sun/directory-server/5.2/man
```

Product Version Number

In some parts of the Directory Server documentation and console, the version number of the product is referred to as 5.2.

Localized Documentation

Localized documentation is posted to <http://docs.sun.com/> as it becomes available.

Accessibility Features for People With Disabilities

To obtain accessibility features that have been released since the publishing of this media, consult Section 508 product assessments available from Sun upon request to determine which versions are best suited for deploying accessible solutions. Updated versions of applications can be found at <http://sun.com/software/javaenterprisesystem/get.html>.

For information on Sun's commitment to accessibility, visit <http://sun.com/access>.

Known Issues and Limitations

This section describes the known issues and limitations of Sun Java System Directory Server 5.2 2005Q4 for HP-UX. The issues are grouped into the following categories:

- [Installation, Uninstallation, and Migration](#)
- [Security](#)
- [Replication](#)
- [Conformance](#)
- [Directory Server Console](#)
- [Core Server](#)
- [Directory Server Plug-ins](#)
- [Command Line Tools](#)

Installation, Uninstallation, and Migration

Cannot Install Directory Server when the Root Suffix Contains Spaces (4526501)

A root suffix cannot contain space characters.

Workaround

If your root suffix contains space characters, correct the suffix generated at installation time to remove the spaces:

1. In the Sun Java System Server console, select the top directory entry in the left-hand navigation pane of the Servers and Applications tab.
2. Click Edit and modify the suffix in the User directory subtree field.
3. Click OK to save the change.

Error Message When Running `migrateInstance5` Script (4529552)

When the `migrateInstance5` script is run with the error logging feature disabled, a message indicates that the migration procedure is attempting to restart the server while the server is already running.

Workaround

- If error logging is disabled, ignore this error message.
- If error logging is enabled, consult the error log for more information.

Duplicate Value Error Logged in the Configuration Directory Server During Installation (4841576)

During configuration of Directory Server, an ACI on the server group entry for each new server installation is added. If the entry already exists and the ACI value already exists on the entry (which is the case when Administration Server is installed after Directory Server), then the following error is logged in the Configuration Directory Server:

```
[07/May/2004:16:52:29 +0200] - ERROR<5398> - Entry - conn=-1 op=-1msgId=-1 - Duplicate value addition in attribute "aci" of entry "cn=Server Groups, cn=sorgho.france.sun.com, ou=france.sun.com,o=NetscapeRoot"
```

Workaround

Ignore the error message.

Only use the restart-admin command on the active node in a cluster-enabled environment (4862968)

Cannot Use Multibyte Characters for Installation of Traditional Chinese (zh_TW) Version (4882801)

If multibyte characters are entered as the suffix name during installation of the traditional Chinese (zh_TW) version, the suffix name does not display correctly in the console. This issue is restricted to 32-bit and 64-bit installations from Solaris packages on SPARC processors.

Workaround

1. Create a monobyte suffix at installation. Once installation is complete, create the desired multibyte suffix using the console.
2. Upgrade your JRE to version 1.4.1 or later.

Cannot Use Multibyte Characters at Installation of AS and DS (4882927)

At installation, using multibyte characters for anything other than the suffix name causes Directory Server and Administration Server configuration to fail.

Workaround

Use monobyte characters for all fields other than the suffix name.

Loop Results From the Use of an Incorrect Password During Command Line Installation (4885580)

If you enter an incorrect password during command-line installation, you enter a loop.

Workaround

When you are prompted for the password again, type "<" to return to the previous input item, and then press return to keep the previous choice. When you are asked for the password again, enter the correct password.

Warning About Missing Character Sets During Uninstallation (4887423)

When you perform an uninstallation by using the console, you can dismiss the uninstallation logs by using the OK button. When you use this OK button, you might be warned about missing character sets.

Workaround

None. Ignore these warning messages.

Configuration of Directory Server Fails When Using a Remote Configuration Directory (4931503)

When configuring Directory Server by using a remote configuration directory, configuration fails if the administration domain of the remote directory does not match the administration domain in the setup procedure.

Workaround

When configuring Directory Server by using a remote configuration directory, use the same administration domain as defined in the remote configuration directory.

Some Plug-Ins Are Not Migrated From Directory Server 4.x to Directory Server 5.x (4942616)

During migration from Directory Server 4.x to Directory Server 5.x, not all plug-ins are migrated.

Workaround

In the 4.x `slapd.ldbm.conf` configuration file, insert quotation marks around the plug-in path for the plug-in to be migrated.

For example change the plug-in post-operation referential integrity from

```
/mydirectory/ds416/lib/referint-plugin.so<.....>
```

to

```
"/mydirectory/ds416/lib/referint-plugin.so"<.....>
```

Modifications to Default Index Attributes Are Not Migrated From DS 5.1 to DS 5.2 (5037580)

Modifications to the default index attributes are not migrated when you migrate from Directory Server 5.1 to Directory Server 5.2.

Workaround

None

Installation Fails When the Base DN Contains a White Space (5040621)

During installation, if the base DN contains a white space (for example, o=example east) the directoryURL entry is incorrectly parsed for the UserDirectory global preferences. Consequently, all operations to the userDirectory fail to find the entries in user/groups in the console.

Workaround

Modify the base DN value in one of the following ways:

- Using the console, correct the nsDirectoryURL attribute to reflect the correct base DN.
- Using the command line, perform the ldapmodify command on the nsDirectoryURL attribute and the ldapdelete command on the nsDirectoryFailoverList attribute.

nsSchemaCSN Has Multiple Values After upgrade of AS and DS (5041885)

After upgrade of Administration Server or Directory Server, the nsSchemaCSN attribute has several values. This issue occurs because the 60iplanet-calendar.ldif file and the 99user.ldif file both contain the nsSchemaCSN attribute. The nsSchemaCSN attribute should be in the 99user.ldif file only.

Workaround

1. Remove the nsSchemaCSN attribute from 99user.ldif file and the 60iplanet-calendar.ldif file.
2. Rename the script from
`<server_root>/slapd-<instance>/schema_push.pl`
to
`<server_root>/slapd-<instance>/schema_push.pl.ref`
3. Copy the template file from
`<server_root>/bin/slapd/admin/scripts/template-schema_push.pl`
to
`<server_root>/slapd-<instance>/schema_push.pl`
4. Edit the new schema_push.pl file as follows:
 - a. Replace `{{PERL-EXEC}}` by `!/<server_root>/bin/slapd/admin/bin/perl`
 - b. Replace `{{MY-DS-ROOT}}` by `<server_root>/slapd-<instance>`
 - c. Replace `{{SEP}}` by `" / "`
5. Add the execute mode to the schema_push.pl file.

- Force the schema replication by running the script, as follows:

```
<server_root>/schema_push.pl
```

- Confirm that the nsSchemaCSN attribute has been added to 99user.ldif file.

To backout, restore the original schema_push.pl file under <slapd-instance>.

migrate5xto52 Script Breaks Replicated Topologies (6207013)

When you use the migrate5xto52 script to migrate a 32-bit Directory Server 5.x replica to 64-bit Directory Server 5.2, the script converts replica values for nsState incorrectly. Consequently, it can be necessary to re initialize the entire replicated topology.

Workaround

Before running the migrate5xto52 script, comment out the following two lines of the newLDIReplica Perl subroutine in the <ServerRoot>/bin/slapd/admin/bin/migrate5xto52 file:

```
...
if ($replicaType eq $MASTER_OR_MULTIMASTER) {
# my @nsState = $replica->getValues("nsState");
# $new52replica->setValues("nsState", @nsState);
}
...
```

Entries With Password Expiration Cannot be Replicated to Older Versions of Directory Server (6209543)

The pwdChangedTime attribute and usePwdChangedTime attribute are defined in Directory Server 5.2 2004Q2 and later versions. These attributes are not defined in Directory Server 5.2 2003Q4 or earlier versions.

When an entry is defined with password expiration in Directory Server 5.2 2004Q2 or later versions, the entry contains the pwdChangedTime attribute and usePwdChangedTime attribute. When that entry is replicated to a supplier running Directory Server 5.2 2003Q4 or an earlier version, the supplier cannot process any modifications to that entry. A schema violation error occurs because the supplier does not have the pwdChangedTime attribute in its schema.

Workaround

Define the pwdChangedTime attribute and usePwdChangedTime attribute in the 00core.ldif file for all servers in the replication topology that are running Directory Server 5.2 2003Q4 or an earlier version.

```
attributeTypes: ( 1.3.6.1.4.1.42.2.27.8.1.16 NAME 'pwdChangedTime' DESC 'Directory
Server defined password policy attribute type' SYNTAX 1.3.6.1.4.1.1466.115.121.1.24
SINGLE-VALUE USAGE directoryOperation X-DS-USE 'internal' X-ORIGIN 'Sun Directory
Server' )
```

```
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.597 NAME 'usePwdChangedTime' DESC 'Directory
Server defined attribute type' SYNTAX 1.3.6.1.4.1.1466.115.121.1.15 SINGLE-VALUE
X-DS-USE 'internal' X-ORIGIN 'Sun Directory Server' )
```

During installation of Directory Server With Access Manager the Index Is Corrupted (6305723)

During installation of Directory Server, the Access Manager adds indexes for the 'ou' attribute if they don't exist. When the tool `comms_dssetup.pl` is run, the index is corrupted.

Workaround

Reindex the Directory Server.

Security

Bind With Zero-Length Password Is Treated as an Anonymous Bind (4703503)

If you use a zero-length password to bind to a directory, your bind is an anonymous bind - it is not a simple bind. Third party applications that authenticate users by performing a test bind might exhibit a security hole if they are not aware of this behavior.

Workaround

Ensure that you client applications are aware of this feature.

DNS keyword in ACIs (4725671)

If the DNS keyword is used in an ACI, any DNS administrator can access the directory by modifying a PTR record, and can thereby provide the privileges granted by the ACI.

Workaround

Use the IP keyword in the ACI, to include all IP addresses in the domain.

LDAP Modify Operations Through SSL Fail When Referred to Master Replica From Consumer Replica (4922620)

`ldapmodify` update operations over SSL fail when they are referred to a master replica from a consumer replica.

Error Message At Startup When `passwordisglobalpolicy` Is Enabled (4964523)

When the `passwordisglobalpolicy` attribute is enabled on both masters in a 2-master, multi-master replication topology it works correctly but can generate the following incorrect error message:

```
[03/Dec/2003:11:32:54 -0500]ERROR<5897> - Schema - conn=-1 op=-1 msgId =-1 - User
error: Entry "cn=Password Policy,cn=config", attribute "passwordisglobalpolicy" is not
allowed

[03/Dec/2003:11:32:54 -0500] - Sun-ONE-Directory/5.2 B2003.143.0020 (64-bit) starting
up
```

Workaround

Ignore the incorrect error message.

Invalid Values Are Accepted for `passwordMinLength` in Individual Password Policies (4969034)

The `passwordMinLength` attribute in individual password policies is 2 - 512 characters. However, values outside of this range are accepted when an individual password policy is configured.

Workaround

Configure individual password policies with `passwordMinLength` attribute of 2 - 512 characters.

Replication

Addition of Entries with `objectClass=nsTomstone` Can Cause Replication to Fail (2122375/5021269)

Adding an entry with `objectClass=nstombstone` can cause the replication to fail.

Workaround

Do not add entries with `objectClass=nstombstone`

Local Schema Modifications Can Be Overwritten When a Consumer Database Is Created (4537230)

The replication monitoring tools rely on read access to `cn=config` to obtain the replication status. This should be taken into account when replication is configured over SSL.

In Directory Server 5.2, the schema file `11rfc2307.ldif` has been altered to conform to `rfc2307`. If replication is enabled between 5.2 servers and 5.1 servers, the `rfc2307` schema **MUST** be corrected on the 5.1 servers, or replication will not work correctly.

Workaround

To ensure correct replication between Directory Server 5.2 and Directory Server 5.1, perform the following tasks:

- Copy the following files from the 5.2 schema directory into the 5.1 schema directory, overwriting the 5.1 copies of these files:

11rfc2307.ldif, 50ns-msg.ldif, 30ns-common.ldif, 50ns-directory.ldif, 50ns-mail.ldif, 50ns-mlm.ldif, 50ns-admin.ldif, 50ns-certificate.ldif, 50ns-netshare.ldif, 50ns-legacy.ldif, and 20subscriber.ldif.

- Restart the Directory Server 5.1 server.
- In the Directory Server 5.2 server, set the `nsslapd-schema-repl-useronly` attribute under `cn=config` to on.
- Configure replication on both servers.
- Initialize the replicas.

Initially, certain schema attributes may be replicated between the servers as they synchronize other schema elements but this is benign and will not cause any problems. See the Installation Notes for details on how the schema has changed.

Replication Monitoring Tools Do Not Support LDAP URLs That Contain Literal IPv6 Addresses (4702476)

The replication monitoring tools `entrycmp`, `insync`, and `repldisc` do not support LDAP URLs that contain literal IPv6 addresses.

Workaround

None

Multi-Master Replication Over SSL With Certificate-Based Client Authentication Does Not Work If Preceded by SSL With Simple Authentication (4727672)

In a multi-master replication scenario, if replication is enabled over SSL by using simple authentication, it is not possible to enable replication between the same servers over SSL by using certificate-based client authentication.

Workaround

To enable replication over SSL using certificate-based client authentication, restart at least one of the servers.

After Aborting a Total Update Cannot Restart a Total Update or Re-enable Replication on the Suffix (4741320)

Workaround

Do not abort a total update while it is in progress.

Reports of Replication Delays With the `insync` Command and Fractional Replication (4856286)

The `insync` command-line tool has no concept of fractional replication. If fractional replication is configured, false reports of replication delays can be produced.

Workaround

None

Schema Modifications Are Not Replicated in Incremental Updates (4868960)

If you modify the schema without making any other non schema-related modifications, your schema modifications will not be replicated immediately.

Workaround

Wait for five minutes for your schema modifications to be replicated, or force replication by using the `Send Updates Now` option in the Directory Server Console.

Errors in Multi-Master Replication When `nsslapd-lastmod` Attribute Set to OFF (5010186)

The `nsslapd-lastmod` attribute specifies whether Directory Server maintains the modification attributes for Directory Server entries. When this attribute is set to `OFF` errors occur in multi-master replication.

Workaround

When using multi-master replication, leave the `nsslapd-lastmod` attribute set to `ON`.

During Replication an Error Message Is Written Frequently to the Error Log (5029597)

During replication the following error message can be written frequently to the error log:

```
[09/Apr/2004:06:47:45 +0200] - INFORMATION - conn=-1 op=-1 msgId=-1 -
csngen_adjust_time: remote offset now 33266 sec
```

This error message increases the size of the error log file.

Workaround

Ignore this error message.

`passwordExpirationTime` Attribute Is Unsynchronized After First Password Expiration Warning (5102180)

The `passwordExpirationTime` attribute is reset on the master when the first password expiration warning is given to the consumer. This attribute is not reset on the consumer and is therefore out of sync after the first password expiration warning.

Workaround

Ignore this error message.

Updates to the Retro Change Log on a Master Server Can be Lost (6178461)

When a master server crashes, changes made to the retro change log on that server can be lost.

Workaround

Do not use the retro change log on a master server. Instead, use the retro change log on the consumer server. If you are implementing failover of the retro change log, ensure that you have at least two consumer servers with enabled retro change logs.

Directory Server Can Crash If Backoff Timer Expires When Replication Agreement Detects an External Event (6272611)

If the backoff timer set by the replication agreement expires at the same time the replication agreement receives an external event, a race condition occurs that might cause the Directory Server to crash.

The issue can occur in the following scenarios:

- When a Directory Server 5.2 supplier or hub is replicating to Directory Server 5.1 consumer
 - The Directory Server is stopped
 - The replication agreements are disabled
 - The replication agreements are modified to change the scheduled replication time
- When a Directory Server 5.2 supplier or hub is replicating to Directory Server 5.2 consumer
 - The Directory Server is stopped
 - The replication agreements are disabled
 - The replication agreements are modified to change the scheduled replication time.
 - The replication breaks (the consumer fails to apply modifications, the consumer is not initialized, the last update to the consumer is too old...)

Workaround

None

Conformance

DN Normalization Code Does Not Treat Case Sensitive Attributes Properly (4933500)

DN normalization code puts attribute names in lower case. The DN normalization code does not take into account the attribute syntax and the associated matching rule.

Workaround

None

Console Does Not Support the Management of External Security Devices (4795512)

The console does not support the management of external security devices, such as Sun Crypto Accelerator 1000 Board.

Workaround

Manage external security devices by using the command line.

Directory Server Console

Directory Server start/stop via console reports failure and leaves server in a strange state (6371286)

Workaround

Use CLI commands `start-slaped` and `stop-slaped` from this directory `/opt/sun/mps/serverroot/slaped-<machine>` instead of GUI controls to start/stop Directory Server instance.

Directory Console user interface displays garbage for zh_CN.utf8/zh_TW.utf8 fonts (6367545)

The console shows blank plain boxes for the above mentioned fonts.

Workaround

Replace the font `zh_CN.utf8` with `zh_CN.hp15CN` by using the following command:

```
$export LANG=zh_CN.hp15CN
```

Replace the `zh_TW.utf8` with `zh_TW.big5` or `zh_TW.eucTW` by using the following commands:

```
$export LANG=zh_TW.big5
```

```
$export LANG=zh_TW.eucTW
```

Internal Search Causes Directory Server Console to Display a Yellow Warning Flag (2113362/4983539)

In some search contexts a yellow warning flag is displayed. The yellow flag indicates that the Directory Server internal search mechanism has encountered an All IDs Threshold / Sorting issue. This flag does not represent a problem.

Workaround

Either ignore the flag or create a browsing index (VLV index) to prevent the flag from occurring.

Console Does Not Support Passwords That Contain a Colon “:” (4535932)

The console does not support passwords that contain a colon “:”.

Workaround

Do not use a colon in a password.

German Entries Are Sorted Incorrectly in Directory Server Console (4889951)

In the Directory Server console some german characters are sorted incorrectly. See the following examples:

- “a with diaeresis” is sorted after “a”
- “o” is sorted after “u”

Workaround

None

LDIF Files Exported by Using the Tasks Tab on the Console Contain Additional Unnecessary Information for Backup (6197903)

This issue concerns LDIF files exported by using the `Export to LDIF` button in Tasks tab on the console. When a server is configured as a supplier or a hub, an exported LDIF file starts to collect replication information to initialize consumers. The exported LDIF file cannot be used with the `Import from LDIF` button in Tasks tab on the console.

Workaround

Select one of the following workarounds:

- *Workaround 1:* Export the LDIF file for a suffix by using the `Object/Export` command from the console menu. In the `Export suffix` dialog box, do not tick the `Export replication information` box. The resulting LDIF file can be used by the `Import from LDIF` button in the Tasks tab and by the `Object/Initialize` command in the console menu.
- *Workaround 2:* Export the LDIF file without supplementary information by using the `db2ldif` command.

- *Workaround 3:* Import the LDIF file for a suffix by using the Object/Initialize command from the console menu. This command handles LDIF files correctly, with and without replication information. Note, to initialize the contents of a suffix, you require an LDIF file with replication information.

Server Console Help Index Search Does Not Work in Traditional Chinese (zh_TW) (6205531)

Cannot Add a New objectclass By Using the Console After Migrating From Directory Server 4 (6246753)

After migrating from Directory Server 4x to Directory Server 5x you cannot add a new object classes by using the console. This feature occurs because migrated users contain `ntUser` attributes with the old `NtSyncTool` for Windows.

Workaround

Use the `ldapmodify` command to add object classes.

Core Server

Server Crashes When Stopped During Export, Backup, Restore, or Index Creation (4678334)

Stopping the server during export, backup, restore, or index creation can cause it to crash.

Backend Instances Called “Default” Do Not Work (2122630/4966365)

Backend instances, or databases, called “Default” do not work.

Workaround

Do not name a database “Default”.

Database Becomes Unavailable if LDIF File Is Inaccessible During Import (2126979/4884530)

If a non-existent file is specified for an online import, the server still deletes the existing database.

Installing 64-bit packages locks out the 32-bit Directory Server databases (4786900)

When indexes are configured with `nsMatchingRule`, `db2ldif` and `ldif2db` issue an “unknown index rule” warning which means that the index created does not include the matching rule (4995127)

Workaround

Use `db2ldif.pl` and `ldif2db.pl` instead of `db2ldif` and `ldif2db` as they do not issue “unknown index rule” warnings and create the index with the matching rule.

tcp_keepalive_interval and tcp_ip_abort_interval Configuration Attributes Cannot be Used for Timeout (5087249)

The `tcp_keepalive_interval` and `tcp_ip_abort_interval` configuration attributes cannot be used to close idle connections on Directory Server.

Workaround

Use the `nsslapd-idletimeout` configuration attribute to close idle connections.

Directory Server Plug-ins

When the Pass-Through Authentication plug-in (PTA plug-in) detects that a suffix configured for pass-through authentication is local to the machine, the plug-in is not automatically disabled (4938821)

If the plug-in configuration entry attribute values in the `dse.ldif` end with extra blank spaces, Directory Server will either fail to start or behave in unexpected ways (4986088)

Post Operation Plug-In Function Not Called When Search Operation on Non-Existent Base DNs (5032637)

The post operation plug-in function for a search operation is not called if the search is performed on a non-existent base DN. This is inconsistent with the description of post-operation plug-ins in “Extending Client Request Handling” in the *Directory Server Plug-in Developer’s Guide*.

Workaround

None

Error Message When ACL Plug-In Unable to Normalize Attribute Value (5089207)

The ACL plug-in normalizes attribute values in order to compare them with DN provided in the ACL rules. If an attribute value is not a DN, an error message is logged.

Workaround

If you have two Directory Server instances, DS1 and DS2, with your Configuration Directory Server installed on DS1, and you subsequently replicate the `o=NetscapeRoot` configuration information to DS2, as opposed to automatically disabling the PTA plug-in will continue to point to DS1 for any `o=NetscapeRoot` relevant searches despite the fact that the information is now local.

Miscellaneous

Statistics for SNMP subagents (4529542)

On UNIX platforms, statistics are generated only for the last SNMP subagent that is started. This implies that you can monitor only one Directory Server instance at a time with SNMP.

International substring search on unaccented characters returns only unaccented characters(4955638)

Instead of returning the unaccented character and all of its possible accented variants, which would seem to be the logical approach, a search on an unaccented character only returns the unaccented character in question. Searching for an accented character however, returns not only that character but all other variants.

Certain error messages reference a database error guide which does not exist (4979319)

Missing `chown/chgroup` When an Instance Of Directory Server Is Created With Another User (4995286)

With Directory Server and Administration Server installed and configured to run as root, when the console is used to create another instance of Directory Server which you specify to run as a user other than root, that instance is successfully created but many of the files pertaining to that instance are not owned by the same user.

Workaround

Change the ownership of the files and directories manually.

Cannot Create a Chained Suffix With an IPv6 Address by Using the Console (5019414)

When you create a new chained suffix with an IPv6 address by using the `New Chained Suffix` window of the console the `Testing` connection parameters popup window does not close automatically and the validity of the IPv6 address is not tested. Although the local configuration of the chained suffix is successful, the validity of the IPv6 address is not assured.

Workaround

Do not use the `Test connection` option when you configure a chaining suffix with an IPv6 address.

Command Line Tools

The db2ldif -s Command Causes Errors on Suffixes With a Subtree (2122385/4889077)

When the `db2ldif -s` command is run on a suffix with one or more subtrees, errors occur. Also, all entries under the suffix are exported, including entries under subtree. This can cause problems if the `ldif2db` command is used on the exported LDIF file to re-initialize the suffix.

Workaround

Do not use the `db2ldif -s` command on a suffix with one or more subtrees. Instead, use the `db2ldif -n` command as shown here:

```
# ./db2ldif -n <suffixname>
```

Incorrect Error Message When Exporting a Subtree by Using the db2ldif -s Option (2122386/4925250)

When the `db2ldif -s` command is run on a suffix to export a subtree, the following incorrect error message can be generated:

```
Failed to fetch subtree lists (error -30991) DB_NOTFOUND: No matching key/data pair
found
```

Workaround

Ignore this error message.

Absolute Paths Must be Specified for the Following Commands: db2bak, db2bak.pl, bak2db, and bak2db.pl (4897068)

db2ldif Command Creates an Output File In an Incorrect Directory (5029598)

The `db2ldif` command creates output LDIF files in an incorrect default directory when the file name only is specified. The `db2ldif` command should create output LDIF files in this directory:

```
/ServerRoot/slaped-server/ldif
```

Workaround

Specify the absolute path to the file name of the output LDIF file.

mmldif Command Crashes (6205803)

The `mmldif` command crashes when used.

Workaround

None

createtimestamp and modifytimestamp not Generated During ldif Import (6235452)

When an ldif file is imported to directory server by using the `ldif2db.pl` script, the `createtimestamp` and `modifytimestamp` are not generated. Note that this feature does not occur for online adds done by LDAP clients like `ldapmodify`.

Workaround1

Edit the LDIF source file before import. This workaround works for LDIF input files that do not contain any entry with `createtimestamp` or `modifytimestamp` values.

Substitute ALL empty lines in the LDIF source file with the following 3 lines:

```
createtimestamp: 20050301132421Z
modifytimestamp: 20050301132421Z
empty_line
```

Then import the file into the Directory Server.

Workaround2

Import the source file by using `ldapmodify` instead of `ldif2db`. This workaround is slower than Workaround 1 but it works for LDIF input files with entries with `createtimestamp` or `modifytimestamp` values.

1. Export the contents of your Directory Server by using `db2ldif`:

```
db2ldif -n $instance -a /tmp/exported.ldif
```

2. Copy the first entry of `/tmp/exported.ldif` into a new file named

```
/tmp/rootsuffix.ldif
```

3. Re-import back the database only with the root suffix:

```
ldif2db -n $instance -i /tmp/rootsuffix.ldif
```

4. Add all of the entries in `/tmp/rootsuffix.ldif` by using the `ldapmodify` command:

```
ldapmodify -a -c -h <host> -p <port> -D "cn=Directory Manager" -w &
lt;password> -f /tmp/exported.ldif
```

ldapdelete Command hangs when NDS Plug-in returns a Non-zero Value (6301267)

When the pre-operation plug-in for schema deletion returns a non-zero value, the `ldapdelete` command hangs.

Workaround

Ensure that the pre-operation plug-ins (except `abandon` and `unbind`) send back a result (by using `slapi_send_ldap_result`) before returning a non zero status.

Redistributable Files

Sun Java System Directory Server 5.2 2005Q4 does not contain any files which you can redistribute.

How to Report Problems and Provide Feedback

If you have problems with Sun Java System Directory Server, contact Sun customer support using one of the following mechanisms:

- Sun Software Support services online at
<http://www.sun.com/service/sunone/software>

This site has links to the Online Support Center, and Product Tracker, as well as to maintenance programs and support contact numbers.

- The IT Resource Center website for HP-UX at
<http://www1.itrc.hp.com>
- The telephone dispatch number associated with your maintenance contract

So that we can best assist you in resolving problems, please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation
- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or core dumps

You might also find it useful to subscribe to the following interest groups, where Sun Java System Directory Server topics are discussed:

<http://swforum.sun.com>.

Sun Welcomes Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions.

To share your comments, go to <http://docs.sun.com> and click Send Comments. In the online form, provide the document title and part number. The part number is a seven-digit or nine-digit number that can be found on the title page of the guide or at the top of the document.

Additional Sun Resources

Useful Sun Java System information can be found at the following Internet locations:

- **Sun Java System Documentation**
<http://docs.sun.com/app/docs/prod/entsys.05q4>
- **Java Enterprise System Software Services**
<http://www.sun.com/service/products/software/javaenterprisesystem>
- **Sun Java System Software Products and Service**
<http://www.sun.com/software>
- **Sun Java System Support and Knowledge Base**
<http://sunsolve.sun.com>
- **Sun Java System Software Support Services**
<http://www.sun.com/support/>
- **Sun Java System Consulting and Professional Services**
<http://www.sun.com/service/products/software/javaenterprisesystem>
- **Sun Developer Information**
<http://developers.sun.com>
- **Sun Developer Support Services**
<http://www.sun.com/developers/support>
- **have Sun Software Data Sheets**
<http://www.sun.com/software>
- **Directory Server Certified Engineer Training Program**
http://training.sun.com/US/certification/middleware/dir_server.html

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