

Sun Java™ System Directory Proxy Server Release Notes

Version 5.2 2005Q4

Part Number 819-2406-10

These Release Notes contain important information available at the time of release of Sun Java System Directory Proxy Server 5.2 2005Q4. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Directory Proxy 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:

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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 of Changes
June 24, 2005	Beta release
September 2005	Revenue release

About Directory Proxy Server 5.2 2005Q4

In some parts of the Directory Proxy Server documentation and console, the version number of the product is referred to as 5.2. Directory Proxy Server 5.2 2005Q4 is a maintenance release of Directory Proxy Server 5.2.

This section includes:

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

What’s New in This Release

In versions of Directory Proxy Server prior to Directory Proxy Server 5 2005Q4, requests from unauthenticated clients cannot change network group. In Directory Proxy Server 5 2005Q4, requests from unauthenticated clients can change network group.

An authenticated client is not the same as an anonymous client. The first operation from an anonymous client is a bind operation with a zero-length name string. The first operation from an unauthenticated client is not a bind, it is another LDAP operation such as a search operation. Requests from unauthenticated clients are classified into a special network group.

In Directory Proxy Server 5 2005Q4, requests from unauthenticated clients can be reclassified into a different network group. This feature is available through the following object class and attributes:

- `ids-proxy-sch-OnOperationSuccessRule`
- `ids-proxy-con-operation-add`
- `ids-proxy-con-operation-compare`

- `ids-proxy-con-operation-delete`
- `ids-proxy-con-operation-extended`
- `ids-proxy-con-operation-modify`
- `ids-proxy-con-operation-modrtn`
- `ids-proxy-con-operation-search`

If the value of an attribute is set to TRUE, requests from unauthenticated clients, of the type specified by the attribute, change network group.

To configure this feature, run the following script provided with the patch release:
`shared/bin/enablerFE5042027.tcl`.

Hardware and Software Requirements

The following hardware and software are required for this release of Directory Proxy Server.

Table 2 Solaris SPARC® Hardware and Software Requirements

Component	Platform Requirement
CPU	Solaris 8 SPARC Platform Edition with patches required for Java Enterprise System Solaris 9 SPARC Platform Edition with patches required for Java Enterprise System Solaris 10 SPARC Platform Edition with patches required for Java Enterprise System
RAM	256 MB
Disk space	Approximately 300 MB of disk space for a minimal installation.
Patches or service packs	See http://sunsolve.sun.com
Java	Java Runtime Environment 1.4.

Table 3 Solaris x86 Hardware and Software Requirements

Component	Platform Requirement
CPU	Solaris 9 x86 Platform Edition Solaris 10 x86 Platform Edition
RAM	256 MB
Disk space	Approximately 300 MB of disk space for a minimal installation.
Patches or service packs	See http://sunsolve.sun.com
Java	Java Runtime Environment 1.4.

Table 4 Linux Hardware and Software Requirements

Component	Platform Requirement
Operating System	RedHat Advanced Server 2.1 Update 6 or RedHat Advanced Server 3.0 Update 4
Patches or service packs	See http://sunsolve.sun.com
Java	Java Runtime Environment 1.4.
Compatibility libraries	The following compatibility libraries: • compat-gcc-7.3-2.96.128.i386.rpm • compat-gcc-c++-7.3-2.96.128.i386.rpm • compat-libstdc++-7.3-2.96.128.i386.rpm If you running 64-bit Linux, you must install the system libraries for 32-bit Linux.

Bugs Fixed in This Release

The following table describes bugs fixed in Directory Proxy Server 5.2 2005Q4.

Table 5 Bugs Fixed in Directory Proxy Server 5.2 2005Q4

Bug Number	Bug Synopsis
4993108	Large Entries Are Truncated When Retrieved Over SSL
6269941	DPS shows bad version in mpsconsole after upgrade
6228761	Idapfwd 5.2.07+ is using 100% CPU on win2k following an referral without closing the TCP connection.
6234980	JES3 DPS 5.2SP3 - crashes after a "configure now" installation when telneting DPS port from remote
6192536	crash in CAI_LF_AclARProperty::server_rename_dn_attrs when BIND dn has trailing "+"
4916532	When creating any new log property definitions, log file limits/rotation fails
6243035	When writing audit logging to a separate file, DPS can stop writing log info after log file deletion
6247329	Idapfwd crash in malloc
6272376	bad management of references to CAI_LF_Server objects
6226504	DPS does not follow a BIND referral response
6303762	Patch DPS Linux : /opt/directory-proxy-server/5.2/bin/tcl8.2/ is empty after applying the patch

Important Information

This section contains the latest information that is not contained in the core product documentation. This section covers the following topics:

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

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>.

Installation Notes

This section provides notes for installing or migrating to Directory Proxy Server 5.2 2005Q4.

Note that upgrade is not supported for the beta release of this product. Patch versions will be provided with the revenue release of the product.

Patch Requirements

The following tables give 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>.

CAUTION To avoid breaking product dependencies, it is mandatory to install the patches in the order provided in the following tables.

Table 6 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required For Solaris 8 (SPARC)

Patch Number	Patch Description
116103-06	International Components for Unicode Patch
119209-04	NSPR 4.5.2 / NSS 3.10 / JSS 4.1
115328-02	Simple Authentication and Security Layer (2.01)
115610-23	Administration Server 5.2 patch
116837-02	LDAP CSDK - SUNWldk
117017-16	Patch for localized Solaris packages
116373-18	Directory Proxy Server 5.2 Patch
119725-02	LDAP JDK Patch

Table 7 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required For Solaris 9 (SPARC)

Patch Number	Patch Description
114677-08	International Components for Unicode Patch
119211-04	NSPR 4.5.2 / NSS 3.10 / JSS 4.1
115342-02	Simple Authentication and Security Layer (2.01)
115610-23	Administration Server 5.2 patch
116837-02	LDAP CSDK - SUNWldk
117017-16	Patch for localized Solaris packages
116373-18	Directory Proxy Server 5.2 Patch
119725-02	LDAP JDK Patch

Table 8 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required for Solaris 9 (x86)

Patch Number	Patch Description
114678-08	International Components for Unicode Patch
119212-04	NSPR 4.5.2 / NSS 3.10 / JSS 4.1
115611-23	Administration Server 5.2 patch

Table 8 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required for Solaris 9 (x86)

Patch Number	Patch Description
116838-02	LDAP CSDK - SUNWldk
117017-16	Patch for localized Solaris packages
116374-18	Directory Proxy Server 5.2 Patch
119725-02	LDAP JDK Patch

Table 9 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required For Solaris 10 (SPARC)

Patch Number	Patch Description
114677-08	International Components for Unicode Patch
119213-04	NSPR 4.5.2 / NSS 3.10 / JSS 4.1
115342-01	Simple Authentication and Security Layer (2.01)
115610-23	Administration Server 5.2 patch
116837-02	LDAP CSDK - SUNWldk
117017-16	Patch for localized Solaris packages
116373-18	Directory Proxy Server 5.2 Patch
119725-02	LDAP JDK Patch

Table 10 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required for Solaris 10 (x86)

Patch Number	Patch Description
114678-08	International Components for Unicode Patch
119214-04	NSPR 4.5.2 / NSS 3.10 / JSS 4.1
115611-23	Administration Server 5.2 patch
116838-02	LDAP CSDK - SUNWldk
117017-16	Patch for localized Solaris packages
116374-18	Directory Proxy Server 5.2 Patch
119725-02	LDAP JDK Patch

On Linux systems, the alignment patches include the Directory Proxy Server patch available on <http://sunsolve.sun.com> and shared component patches, which are provided on the distribution CD. See “Applying Linux Shared Component RPMs” in the *Sun Java Enterprise System 2005Q4 Upgrade and Migration Guide* for information about locating and installing the RPMs.

Table 11 Directory Proxy Server 5.2 2005Q4 Alignment Patches Required for Linux

Patch Number	Patch Description
118096-08	sun-directory-proxy-server-5.2-13.i386.rpm sun-icu-2.1-6.i386.rpm sun-sasl-2.18-1.i386.rpm sun-nspr-4.5.2-4.i386.rpm sun-nss-3.10-4.i386.rpm sun-ldapcsdk-5.12-3.i386.rpm sun-jss-4.1-4.i386.rpm sun-ljdk-4.18-4.i386.rpm sun-admin-server-5.2-18.i386.rpm sun-server-console-5.2-18.i386.rpm

For more information about the Sun Java Enterprise System, see <http://www.sun.com/service/sunjavasystem/javaenterprisesystem>.

Configuring Directory Proxy Server For SSL/Certificates

For information about how to configure Directory Proxy Server 5.2 2005Q4 for SSL-enabled communication, see the *Sun Java System Directory Proxy Server 5 2005Q1 Administration Guide*.

Finding the Installation Log Files

For information about the log files generated during installation, see the following table:

Table 12 Location of Installation Log Files

Platform	Log (administrator/root)	Log (administrator/root)
Solaris	/var/sadm/install/logs	/var/tmp
Solaris x86	/var/sadm/install/logs	/var/tmp
Linux	/var/tmp	/var/tmp

Compatibility Issues

Sun Java System Administration Server and the Java Swing-based Console used today for remote graphical administration of Directory Server and other software may be replaced. A new implementation might be implemented to allow full browser-based service management, with easier configuration for access through firewalls.

As a result, the following commands might not be included in a future release:

- start-admin
- stop-admin
- startconsole

In addition, everything in `o=NetscapeRoot`, might change. In particular, `o=NetscapeRoot` might no longer be present and the `serverroot` architecture might be replaced by a different one.

Documentation Notes

- In some parts of the Directory Proxy Server documentation and console, the version number of the product is referred to as 5.2. Directory Proxy Server 5 2005Q4 is a maintenance release of Directory Proxy Server 5.2.
- Localized documentation is posted to <http://docs.sun.com/> as it becomes available.

Known Issues and Limitations

This section contains a list of the known issues and limitations with Directory Proxy Server 5.2 2005Q4.

After Startup Directory Proxy Server Does Not Automatically Listen on the Network (4818122)

When Directory Proxy Server is started by the command line, it does not automatically listen on the network. If SSL mode is activated, you must provide a token and password to start SSL. When the token request has been satisfied, Directory Proxy Server can listen on the network.

Workaround
None

Cannot Rename an Object With a Previously Used Name (4863003)

An object cannot be renamed with a previously used name. For example, an object cannot be named and renamed as follows:

- Create an object with name myname-1 and save the name
- Rename the object to myname-2 and save the name
- Rename the object back to myname-1

This limitation applies to all named properties of the object, including the configuration name.

Workaround

To avoid the problem, use a new name to rename an object. To resolve the problem, quit and restart the console.

Using the Log Property Panel on Directory Proxy Server Console Can Corrupt Configuration (4864081 and #4942337)

Changing the log properties by using the log property panel on the Directory Proxy Server console can corrupt the configuration in the configuration directory server. This issue is caused because the console does not generate an ids-proxy-con-include-logproperty entry in the configuration.

Workaround

Manually generate a new configuration by performing the following procedure:

1. Export the configuration in the configuration directory server by using the dpsconfig2ldif command.
2. In the LDIF file, comment out the line that contains the ids-proxy-con-include-logproperty. For example:

```
#ids-proxy-con-include-logproperty in the entry dn:  
ids-proxy-con-config-name=myhost , ou=system, ou=dar-config, o=NetscapeRoot
```

3. Delete the old system configuration. For example:

```
ldapdelete -D "cn=Directory Manager" -w password -h dshost -p 389  
"ids-proxy-con-config-name=myhost,ou=system, ou=dar-config, o=NetscapeRoot"
```

Where myhost is the Directory Proxy Server host.

4. Import the configuration to the configuration directory server by using the dpsldif2config command. For example:

```
./dpsldif2config -C dps-myhost -h dshost -p 389 -D "cn=Directory Manager" -w  
password -v ./conf.ldif
```

5. Try again to change the log properties by using the log property panel on the Directory Proxy Server console.

On-Line Help Can Fail if Several Directory Proxy Server Instances Are Registered (4869580)

To display on-line help, the Directory Proxy Server Console contacts any Directory Proxy Server instance registered in the configuration directory. If there is more than one Directory Proxy Server instance registered in the configuration directory, it is not possible to specify which Directory Proxy Server instance is used.

If the instance of Directory Proxy Server that answers the request for on-line help is not available, the request fails. The Directory Proxy Server Console does not know that there is no return value and no thrown exception.

Workaround

None

Duplicate Configurations Caused by Renaming Configurations With the Console (4923242)

If you use the Directory Proxy Server Console to rename a Directory Proxy Server configuration a duplicate configuration name is created.

Workaround

To clone a configuration, create a new configuration and copy all of the values from the original configuration to the new configuration.

BIND/UNBIND Is Performed for Each Referral (4943985)

Instead of reusing existing connections to the backend LDAP servers, Directory Proxy Server performs a BIND/UNBIND for each referral. This issue causes a reduction in performance if the backend server is on a Wide Area Network.

Workaround

None

Cannot Follow Referrals in BIND Requests (4951403)

When a bind request is made by the Directory Proxy Server to another server, a DN is returned. However, the Directory Proxy Server does not use the returned DN to connect to the server. Instead, the Directory Proxy Server uses the original DN. The bind request does not work.

Workaround

This feature is a limitation for bind requests only. This feature is not a limitation for search requests, modify requests, and other requests.

Remote Instance Fails to Start From the Console When SSL Is Enabled (4961059)

When SSL is enabled in a remote instance of Directory Proxy Server, you cannot use the console to start or restart the instance. The console displays a message that there is no PIN file present.

Workaround

Install a PIN file on the console side, using the same path that is used server side.

Backout Fails if Administration Server Is Backed Out Before Directory Proxy Server (5015762)

Backout fails if Administration Server is backed out before Directory Proxy Server.

Workaround

Back out of Directory Proxy Server before backing out of Administration Server. For more information about updating and backing out of Directory Proxy Server, see the *Java Enterprise System 2005Q4 Installation Guide*.

Must Use Utility Scripts in the Server Root Directory Only (5033742)

Versions of the utility scripts, `dpsconfig2ldif`, `dpsldif2config`, and `migratefromidar50` can exist in directories other than the server root directory. However, these versions of the utility scripts might not be correct.

Workaround

Use the utility scripts from this directory only: `<serverroot>/bin/dps_utilities`.

Migration Fails From IDAR 5.0 or 5.0 SP1 to Directory Proxy Server 5.2 2004Q2 and Later Versions (5037424)

The `migratefromidar50` script fails when migrating from Directory Access Router 5.0 or 5.0 SP1 to Directory Proxy Server 5.2 2004Q2 and later versions. The failure occurs because the password is encrypted in the `tailor.txt` file for instances of Directory Proxy Server 5 2004Q2 and later versions.

Workaround

- 1) Replace the encrypted password by the non-encrypted password in the `tailor.txt` file for the the instance of Directory Proxy Server 5.2 2004Q2 or later version.
- 2) Launch the migration script.

Cannot Start Directory Proxy Server Console (5041840)

If the Administration Server is started before the Configuration Directory Server after installation, the Directory Proxy Server cannot access the Administration Server. In this scenario, the Directory Proxy Server console cannot be started correctly.

Workaround

Start the Configuration Directory Server before starting the Administration Server.

The Console Blocks When a New Instance Is Created (5042362)

When you create a new instance of Directory Proxy Server, the console blocks and produces this error message: “An error occurred while loading data for this view”.

Workaround

Exit from the console or restart the console when you create a new instance.

Slow Response of Directory Proxy Server Causes Exceptions in Web Server (6245438)

When there are many connections from a remote node to Directory Proxy Server, the Directory Proxy Server response is slow and results in exceptions.

Incorrect Error Messages During Upgrade and Uninstall (6293491)

When the Directory Proxy Server 5 2005Q4 patch is applied, the following error message is produced:

```
couldn't read file
"/opt/sun/directory-proxy-server/5.2/bin/dps/install/script/sync-dps-cds-50203.tcl":
no such file or directory
```

When the Directory Proxy Server 5 2005Q4 patch is removed, the following error message is produced:

```
/var/tmp/rpm-tmp.69288: line 1012: remove_sync_dps_cds_50204: command not found error:
%postun(sun-directory-proxy-server-5.2-12) scriptlet failed, exit status 127
```

These error messages are incorrect, ignore them.

Console Hangs When Directory Proxy Server Configuration Is Renamed (6295155)

The console hangs if the configuration name is changed by using the console.

Error When Removing Directory Proxy Server 5 2005Q4 Patch on SunOS_x86 (6307084)

Backout is not supported for Directory Proxy Server 5 2005Q4 Patch on SunOS_x86.

Redistributable Files

Sun Java System Directory Proxy 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 Proxy 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 ProductTracker, as well as to maintenance programs and support contact numbers.

- The SunSolve support website at <http://sunsolve.sun.com>

This site includes patches, support documents, security information, and the Sun System Handbook.

- 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 Proxy 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. Use the web-based form to provide feedback to Sun:

<http://www.sun.com/contact/feedback/?refurl=http://www.sun.com>

Please provide the full document title and part number in the appropriate fields. The part number can be found on the title page of the book or at the top of the document, and is usually a seven or nine digit number. For example, the part number of these Directory Proxy Server 5.2 Release Notes is 819-2406-10.

Additional Sun Resources

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

- Sun Java System Documentation
<http://docs.sun.com/db/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 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 Proxy Server Certified Engineer Training Program
<http://training.sun.com/US/certification/enterprise>

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