

Sun Java™ System Directory Server Release Notes for Patchzip

Version 5.2 2005Q4

Part Number 819-4290-10

These Release Notes contain important information about the compressed archive (patchzip) of Sun Java System Directory 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 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/prod/sunone>. 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](#)
- [About Directory Server 5.2 2005Q4](#)
- [Bugs Fixed in This Update](#)
- [Installation Information](#)
- [Known Issues and Limitations](#)
- [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 of Changes
September 2005	RR

About Directory Server 5.2 2005Q4

This is a maintenance update for compressed archive installations of Directory Server 5.2. This update can be performed on Directory Server 5.2 only. This update cannot be performed on versions of Directory Server prior to Directory Server 5.2.

These release notes describe issues related to the compressed archive of Directory Server 5.2 2005Q4. New features and enhancements, known issues and limitations, and other information related to Directory Server 5.2 2005Q4 are described in the main *Directory Server Release Notes*.

Supported Platforms

Directory Server 5.2 2005Q4 is available on the following platforms:

- Sun Solaris 8 for UltraSPARC (32 and 64 bit)
- Sun Solaris 9 for UltraSPARC (32 and 64 bit)
- Sun Solaris 10 for SPARC (64-bit)
- Sun Solaris 9 for x86 (IA-32)
- Sun Solaris 10 for x86 (IA-32)
- Microsoft Windows 2000 Server and Advanced Server SP 4 (IA-32)
- Microsoft Windows Server 2003 Enterprise Edition (IA-32) (including SP1)
- Microsoft Windows Server 2003 Standard Edition (IA-32) (including SP1)
- Red Hat Linux AS 2.1 U6
- Red Hat Linux AS 3.0 U4

- Hewlett-Packard HP-UX 11i PA-RISC 1.1 or 2.0 (32 bit and 64 bit)
- IBM AIX 5.2 (Power PC) (32 bit)

The original release of Directory Server 5.2 has not been validated on IBM AIX 5.2. However, this update is validated on IBM AIX 5.2. The original release of Directory Server 5.2 has been validated on IBM AIX 5.1, but IBM AIX 5.1 is no longer supported by IBM.

Specific operating system patches may need to be installed before Directory Server 5.2 2005Q4 can be installed. For further information, refer to the *Directory Server Installation and Tuning Guide* issued with the initial release of Directory Server 5.2. You can obtain Solaris patches from <http://sunsolve.sun.com>

Bugs Fixed in This Update

This section describes bug fixes specific to the compressed archive of Directory Server 5.2 2005Q4. For a list of bugs fixed in the Directory Server 5.2 2005Q4 product, refer to the main *Directory Server Release Notes*.

Table 2 Bugs Fixed in the Compressed Archive of Directory Server 5.2 2005Q4

Bug Number	Description
5080043	PatchZIP / Install of 5.2 p2 changes file permissions to root

Installation Information

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

- [Full Distribution](#)
- [Patch Requirements](#)
- [General Installation Information](#)

Full Distribution

This release is available as a full distribution at this location:

<http://www.sun.com/download/products.xml?id=4373c4c2>. To install the full distribution, follow the instructions in the Sun ONE Directory Server 5.2 Installation and Tuning Guide at <http://docs.sun.com/source/816-6697-10/install.html>. The list of supported platforms given in this document supersedes that in the Sun ONE Directory Server 5.2 Installation and Tuning Guide.

This full installation cannot be used to upgrade a previous version or installation of Directory Server 5.2. This full installation can only be used for new installations of the software. If you already have Directory Server 5.2 installed on your system and need to upgrade to Directory Server 5.2 Patch 4, please see “[Patch Requirements](#)” on page 4.

Patch Requirements

This section lists the patches that correspond to this release. The patches are available at <http://sunsolve.sun.com>.

Table 3 Alignment Patches for the Compressed Archive of Directory Server 5.2 2005Q4

Platform	Required Patch	Description
AIX	117670-03	Directory Server 5.2 patch 4: Core patch - AIX5.2
HP-UX	117669-03	Directory Server 5.2 patch 4: Core patch - HPUX11i
Linux	117668-03	Directory Server 5.2 patch 4: Core patch - patchzip: RHAS 2.1/RHAS 3.0
Solaris	117665-03	Directory Server 5.2 patch 4: Core patch - patchzip for Solaris
Solaris_i86pc	117666-03	Directory Server 5.2_x86 patch 4: Core patch - patchzip for Solaris
Windows	117667-03	Directory Server 5.2 patch 4: Core patch - Microsoft Windows

Localized patches are independent of the operating system that you use. The localized patch IDs are as follows:

Table 4 Localization Patches for the Compressed Archive of Directory Server 5.2 2005Q4

Language	Required Patch	Description
de	117798-03	Directory Server 5.2 patch 4: German (DE) Localized resources - (patchzip)
es	117799-03	Directory Server 5.2 patch 4: Spanish (ES) localized resources - (patchzip)
fr	117800-03	Directory Server 5.2 patch 4: French (FR) Localized resources - (patchzip)
ja	117801-03	Directory Server 5.2 patch 4: Japanese (JA) Localized resources - (patchzip)
ko	117802-03	Directory Server 5.2 patch 4: Korean (KO) Localized resources - (patchzip)

Table 4 Localization Patches for the Compressed Archive of Directory Server 5.2 2005Q4

Language	Required Patch	Description
zh	117803-03	Directory Server 5.2 patch 4: Simplified Chinese (ZH) Localized Resources - (patchzip)
zh_TW	117804-03	Directory Server 5.2 patch 4: Traditional Chinese (ZH_TW) Localized resources - (patchzip)

General Installation Information

For information about installation, see the following sections:

- [“Installation Notes”](#)
- [“Installation Instructions”](#)

Installation Notes

Read the following notes before installing this patch:

- If several instances of Directory Server share the same configuration directory server, all instances must be upgraded to the same version.
- If the installation script restarts some instances of Directory Server that you stopped intentionally, stop these instances manually after upgrade.
- IPv6 support has not been extensively tested on Windows systems.
- During the patchzip installation, the following messages may be observed.

```
Server has detected a disorderly shutdown or a change in cache size
Recovery phase is starting, this may take a while...
```

Ignore this message.

Installation Instructions

The following instructions apply to a full installation of Directory Server and Administration Server on the target host. Instructions for other types of installation are in the README file of the compressed archive.

In this section `<SERVER ROOT>` is the directory where the Directory Server product has been installed.

► **To Upgrade to the Compressed Archive of Directory Server 5.2 2005Q4 on Unix Platforms**

1. Close all console windows. If a console is open when the installation script is run, the script cannot upgrade the console binaries.

2. Unpack the tar gzipped archive:

```
# mkdir <MyDirectory>
# cd <MyDirectory>
# cp <package>.tar.gz .
# gunzip <package>.tar.gz
# tar xvf <package>.tar
```

3. As the owner of <SERVER ROOT>, run the installation script by using one of the following commands:

- **Command 1:** `./install.sh <SERVER ROOT> <ADMIN ID> <ADMIN PASSWORD>`

The ID and password are provided with the command.

- **Command 2:** `./install.sh <SERVER ROOT>`

The ID and password are requested interactively.

- **Command 3:** `./install.sh <SERVER ROOT> -f <CREDENTIAL FILE>`

The ID and password are provided in the following lines of the file <CREDENTIAL FILE>:

```
Admin Id: <ADMIN ID>
Admin Password: <ADMIN PASSWORD>
```

- **Command 4:** `./install.sh <SERVER ROOT> <ADMIN ID> <ADMIN PASSWORD> <SERVER UID> <SERVER GROUP>`

The Directory Server is restarted by the installation script.

► **To Upgrade to the Compressed Archive of Directory Server 5.2 2005Q4 on Windows Platforms**

1. Become the administrator or a member of the administrator group.
2. Close all console windows. If a console is open when the installation script is run, the script cannot upgrade the console binaries.
3. Close the event viewer.

4. Unpack the zip archive:

```
# mkdir <MyDirectory>
# cd <MyDirectory>
# cp <ZIP file> .
# unzip <ZIP file>
```

5. Stop any instances of Directory Server located in <SERVER ROOT>.

6. Run the installation script in one of the following ways:

- If <SERVER ROOT>, <ADMIN ID> or <ADMIN PASSWORD> do not contain special characters, use this command:

```
# install.bat <SERVER ROOT> <ADMIN ID> <ADMIN PASSWORD>
```

- If <SERVER ROOT>, <ADMIN ID> or <ADMIN PASSWORD> contain special characters, use this command:

```
# lib\nsPer15.005_03\bin\MSWin32-x86\perl.exe upgrade.pl /
"<SERVER ROOT>" "<ADMIN ID>" "<ADMIN PASSWORD>"
```

Values with special characters must be protected with double quotes ("). Values with spaces are not supported.

Directory Server is restarted by the installation script.

7. Reboot the system.

► **To Upgrade to the Compressed Archive of Directory Server 5.2 2005Q4 in a Localized Environment**

1. Upgrade the English version of the compressed archive for your operating system, as described in the previous procedures.
2. Extract the patch file for your locale to the /tmp directory or another directory of your choice.
3. As the owner of <SERVER ROOT> on Unix platforms, or as the Administrator on Windows platforms, unzip the patch file by using the -o option to overwrite existing files, For example:

```
# unzip -o 5.2_Patch_4-ja.zip -d <SERVER ROOT>
```

Known Issues and Limitations

This section describes the known issues and limitations with the compressed archive of Directory Server 5.2 2005Q4. For a list of the known issues and limitations in the Directory Server 5.2 2005Q4 product, refer to the main *Directory Server Release Notes*. The issues are grouped into the following categories:

- [Installation, Uninstallation, and Migration](#)
- [Replication](#)
- [Directory Server Console](#)
- [Core Server](#)
- [Miscellaneous](#)

Installation, Uninstallation, and Migration

Installing Directory Proxy Server in the default startup order on Windows 2000 Advanced Server causes services to hang (#4903795)

Workaround

To prevent services from hanging, avoid using the default startup order (Directory Proxy Server, Administration Server, and then Directory Server). Instead, install Directory Server, then Directory Proxy Server followed by Administration Server.

Installing Directory Server 5.2 on AIX 5.1 is successful but generates misleading errors (#4911828)

Installing Directory Server 5.2 on a Windows machine running Directory Server 5.1 Service Pack 2 fails (#4974775)

Workaround

Shut down the Directory Server 5.1 Service Pack 2 instance then rename or remove the `nsldap32v50.dll` file shown in the error log and attempt the 5.2 installation again.

The `migrateinstance5` script fails on Windows if the default server root is in use (`c:\Program Files\Sun\MP5`) preventing users from migrating from a previous version to Directory Server 5.2 (#4985979)

If either Administration Server or Directory Server is installed as root, uninstallation must also be run as root (#5014882).

If you do not run the uninstallation as root, the product registry is not updated correctly.

On Linux Platforms the Unzip Utility Must be Installed Before Upgrading the Compressed Archive (#5057611)

The `unzip` utility is not delivered with the compressed archive for Linux platforms. Before upgrading the compressed archive on Linux platforms, install the `unzip` utility. For other platforms the `unzip` utility is delivered with the compressed archive.

Installing this update on Windows platforms fails if Windows Event Viewer is open (#5061260).

Close the Event Viewer before launching the update.

Multiple Options When You Create an Instance From the Console on Windows Platforms (#6230829)

When you create a new instance by using the console, you are given multiple options.

This issue occurs when you upgrade from Directory Server 5.2 by using the compressed archives (`patchzip`) of Directory Server 5.2 2005Q1, Directory Server 5.2 2005Q1 and Directory Server 5.2 2004Q2.

Workaround

Choose any of the options. There is no difference between the options.

Cannot Open Console on Configuration Directory Server for Directory Server Only Installations on HP-UX Platforms (#6234242)

On HP-UX platforms, when you install Directory Server only, you cannot open the console on the associated Configuration Directory Server unless the locale is specified as English.

Workaround

On the Configuration Directory Server, perform one of the following workarounds:

- Set the locale to English before you open the console
- Load the console from the command line by running this command: `startconsole -l en`

Upgrade of Compressed Archive Fails With Message “Can’t create logfile” (#6238257)

When you upgrade from Directory Server 5.2 to Directory Server 5.2 2005Q4 by using the compressed archive, the upgrade can fail and the following error message can be given:

```
sh ./install.sh <server_root> <admin_id> <admin_pwd>
Can't create logfile: Permission denied at upgrade.pl line 272.
```

Workaround

Delete the log file `/var/tmp/sync-log` before performing the upgrade.

If you have started the upgrade, delete the log file `/var/tmp/sync-log` and rerun the upgrade.

Replication

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:

- For zip installations, remove the `10rfc2307.ldif` file from the 5.1 schema directory and copy the 5.2 `11rfc2307.ldif` file to the 5.1 schema directory.
- 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 will not cause any problems. See the [General Installation Information](#) for details on how the schema has changed.

Directory Server Console

On Windows 2000 Service Pack 4 it is impossible to remove a directory instance via the console if that instance is not running (#4962625)

On Windows 2000 Service Pack 4 you cannot remove an instance using Directory Server Console unless it is running.

Workaround

Ensure that the instance is running before attempting to remove it using Directory Server Console

Core Server

The db2ldif command fails on Windows if the suffix to be exported specified by the -s option contains a subdomain (#4952347)

bak2db Command Generates Unnecessary Error Messages (#5068357)

When run on Windows platforms, the bak2db command can generate unnecessary errors 20741 and 20742. These errors are false errors.

Workaround

Ignore messages generated by errors 20741 and 20742.

Miscellaneous

SNMP is not supported on IPv6 on HP-UX (#4970378)

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 this update, 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 Server topics are discussed:

<http://swforum.sun.com>

Sun Welcomes Your Comments

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<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 Server 5.2 Release Notes is 819-4290-10.

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>
- **Sun Software Data Sheets**
<http://www.sun.com/software>
- **Directory Server Certified Engineer Training Program**
<http://training.sun.com/US/certification/enterprise>

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