



Sun Java System Web Server 6.1 2006Q2 SP6 Release Notes



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Sun Java System Web Server Release Notes

Sun Java™ System Web Server 6.1 2006Q2 SP6 (hereafter referred to as Sun Java System Web Server 6.1) contains important security vulnerability fixes. All users of Sun Java System Web Server, especially those with sites that use Secure Sockets Layer (SSL) or Transport Security Layer (TLS), are strongly encouraged to install this service pack. This release also provides support for the HP-UX and AIX platforms.

These release notes contain important information available at the time of release of Sun Java System Web Server 6.1 SP6, including information about features and enhancements, known limitations and problems, technical notes, and pointers to additional resources. Review the release notes prior to installing and configuring your server, and then periodically thereafter for the most up-to-date information.

The complete Sun Java System Web Server 6.1 documentation is available at <http://docs.sun.com/coll/1308.2>.

These release notes contain the following sections:

- [Features and Enhancements](#)
- [Supported Platforms](#)
- [Required Patches](#)
- [Deprecated or Modified Public Interfaces in Sun Java System Web Server 6.1](#)
- [Installation, Upgrade, and Migration Notes](#)
- [Product Documentation](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [How to Report Problems and Provide Feedback](#)
- [Additional Sun Resources](#)

Features and Enhancements

Sun Java System Web Server 6.1 provides the following features and enhancements:

- Java Servlet 2.3 and JavaServer Pages (JSP) 1.2 Support
- J2SE Platform 1.4 JDK/JRE Support
- J2SE Platform 1.5 JDK/JRE Support
- WebDAV Support
- NSAPI Filters Support
- HTTP Compression Support
- Search Engine Support
- Enhanced Security
- JNDI Support
- JDBC Support
- Sun Java Studio Enterprise Support
- Active Server Pages Support
- PHP Compatibility
- NSS and NSPR Support
- Enhanced Hardware Accelerator Encryption Support
- 64-bit Support
- Solaris PKCS #11 Support
- Localized Version Support

Java Servlet 2.3 and JavaServer Pages (JSP) 1.2 Support

Sun Java System Web Server includes a Java 2 Platform, Enterprise Edition (J2EE™)-compliant implementation of the Java Servlet 2.3 and JavaServer Pages (JSP) 1.2 specifications. A J2EE-compliant Web container provides the flexibility and reliability needed to design and deploy web applications that comply with Java technology standards. Web applications can be deployed on a per virtual server basis.

For information about these technologies, see the following resources:

- Java Servlets at <http://java.sun.com/products/servlet/index.html>
- JavaServer Pages at <http://java.sun.com/products/jsp/index.html>

For information about developing Servlets and JSPs, see *Sun Java System Web Server 6.1 SP6 Programmer's Guide to Web Applications*.

J2SE Platform 1.4 JDK/JRE Support

Sun Java System Web Server supports Java 2 Platform, Standard Edition (J2SE™) 1.4. J2SE is bundled with the Web Server and installed during installation. You can also install your own JDK at a later time.

The 64-bit Solaris SPARC release of Sun Java System Web Server requires a 64-bit JDK. On all other platforms, a 32-bit JDK is required.

Note – For Sun Java System Web Server 6.1 SP7, AIX will be bundled with JDK 1.4.2.

J2SE Platform 1.5 JDK/JRE Support

Sun Java System Web Server supports Java 2 Platform, Standard Edition (J2SE) 1.5 and has been tested and certified with 1.5.0_01 on Solaris, Linux, and Windows platforms.

WebDAV Support

Sun Java System Web Server supports the Web-based Distributed Authoring and Versioning (WebDAV) protocol. WebDAV enables collaborative Web publishing and has the following features:

- Compliance with RFC 2518 and interoperability with RFC 2518 clients
- Security and access control for Web publishing
- Basic publishing operations on file-system-based WebDAV collections and resources

WebDAV provides integrated support for content meta data, name space management, and overwrite protection. These technologies combined with the many authoring tools that support WebDAV provide an ideal development platform for collaborative environments.

NSAPI Filters Support

Sun Java System Web Server extends the Netscape Server Application Programmer's Interface (NSAPI) to support NSAPI filters.

Filters enable the custom processing of HTTP request and response streams. This allows a function to intercept and potentially modify the content presented to or generated by another function. For example, a plug-in could install a NSAPI filter to intercept a XML page generated by another plug-in's Server Application Function (SAF) and then transform that XML page into a HTML, XHTML, or WAP page appropriate for the client. Alternatively, a NSAPI filter could decompress data received from a client before presenting it to another plug-in.

For more information, see *Sun Java System Web Server 6.1 SP6 NSAPI Programmer's Guide*.

HTTP Compression Support

Sun Java System Web Server supports content compression, which allows you to increase delivery speed to clients and serve higher content volumes without incurring a corresponding increase in hardware expenses. Content compression reduces content download time, a benefit most apparent to users of dial-up and high-traffic connections.

For more information, see *Sun Java System Web Server 6.1 SP6 Administrator's Guide*.

Search Engine Support

Sun Java System Web Server supports a Java-based search engine that provides full-text search indexing and retrieval. The search feature allows you to search documents on the server and display results on a Web page. Server administrators can create the indexes of documents against and customize the search interface to meet user specific needs.

The default URL to access the search functionality is as follows:

```
http://<server-instance>:port number/search
```

Example:

```
http://plaza:8080/search
```

When the end-user invokes this URL, the Search page (a Java web application) is launched.

For detailed information about conducting basic and advanced searches, see the Online Help provided with the search engine. To access Online Help, click the Help link on the Search page. For more information, see *Sun Java System Web Server 6.1 SP6 Administrator's Guide*.

Enhanced Security

Sun Java System Web Server allows you to restrict access using flat file authentication. Sun Java System Web Server supports the Java Security Manager. Enabling the Security Manager can improve security by restricting the rights granted to your J2EE web applications. By default, the Security Manager feature is disabled when you install the product. To enable Security Manager, *uncomment* the following entries in the `server.xml` file:

```
<JVMOPTIONS>-Djava.security.manager</JVMOPTIONS>
```

```
<JVMOPTIONS>-Djava.security.policy=instance_dir/config/server.policy</JVMOPTIONS>
```

where *instance_dir* is the path to the installation directory of this server instance.

For more information about `server.xml`, see *Sun Java System Web Server 6.1 SP6 Administrator's Configuration File Reference*.

JNDI Support

Sun Java System Web Server supports the Java Naming and Directory Interface (JNDI). JNDI provides connectivity to heterogeneous enterprise naming and directory services.

JDBC Support

Sun Java System Web Server provides out-of-the-box Java DataBase Connectivity (JDBC), and supports a wide range of industry-standard and customized JDBC drivers.

Sun Java Studio Enterprise Support

Sun Java System Web Server supports Sun Java Studio Enterprise 8. Sun Java Studio technology is Sun's powerful and extensible integrated development environment (IDE) for Java technology developers. Sun Java Studio is based on the NetBeans software and is integrated with the Sun Java platform.

Sun Java Studio support is available on all platforms supported by Sun Java System Web Server 6.1. The plug-in for the Web Server can be obtained in the following ways:

- From the companion CD in the Sun Java System Web Server Media Kit
- By using the AutoUpdate feature of Sun Java Studio
- From the download center for Sun Java System Web Server

Note – Sun Java Studio 8 plug-in for Sun Java System Web Server 6.1 SP6 works only with a local Web Server, that is, with the IDE and the Web Server on the same machine

For information about using the web application features in Sun Java Studio 8, see <http://developers.sun.com/prodtech/javatools/jsenterprise/learning/tutorials/index.html>.

Set the Sun Java System Web Server 6.1 SP6 instance as default, and then take the same actions described in the tutorial.

Also see the NetBeans tutorial at <http://www.netbeans.org/kb/41/j2ee-tut/>.

For more information about Sun Java Studio 8, see <http://www.sun.com/software/sundev/jde/>.

For additional developer resources, see “Additional Sun Resources” on page 59 in these release notes.

Using Sun Java Studio Enterprise 8 for Debugging

Sun Java Studio Enterprise 8 can be used for remote debugging if you want to manually attach the IDE to a remote Web Server started in debug mode. The steps are as follows:

1. Restart the server instance in the debug mode by using the Sun Java System Web Server Administration interface (Server Manager > JVM General > Debug Enabled).
2. Note the JPDA port number.
3. Start the IDE.
4. Choose Debug > Start.

5. Select the `dt_socket` method.
6. Enter the remote machine name and JPDA port number.
At that moment, any breakpoint created in the IDE on Servlet source code of a deployed application will be active.

Active Server Pages Support

Sun Java System Web Server 6.1 supports the Active Server Pages specification through Sun Java System Active Server Pages version 4.0.1 (formerly Sun™ ChiliSoft ASP) and 4.0.2. Sun Java System Active Server Pages adds a secure and enterprise-grade Active Server Pages engine to the Sun Java System Web Server.

Sun Java System Web Server 6.1 supports Sun Java System Active Server Pages 4.0.1 and 4.0.2 on the following platforms:

- Solaris™ (SPARC®) 8 and 9
- Windows 2000 and XP
- Red Hat Advanced Server 2.1

A license is not required for Sun Java System Active Server Pages if you are installing it to the Sun Java System Web Server. The Sun Java System Active Server Pages installer is available on the companion CD if you purchase the Sun Java System Web Server Media Kit, or you can download from <http://www.sun.com/software/chilisoft/index.html>.

Note the following:

- The Sun Java System Active Server Pages plug-in requires an additional 50 MB (approximately) of disk space after Sun Java System Web Server 6.1 is installed.
- Before you begin installation, make sure you are logged in as root.

PHP Compatibility

PHP can be used with the Sun Java System Web Server using one of the three supported APIs namely CGI, NSAPI, and FastCGI. PHP is a page scripting language available from the PHP group. The PHP group provides instructions on its Web site (<http://www.php.net>) for configuring the PHP software to use any of the following APIs:

- CGI API is the most stable interface that can be used but will suffer from performance limitations inherent in CGI.
- NSAPI uses the Sun Java System Web Server's native API to run the PHP software within the Web Server's memory. This configuration will provide the best performance, but risks crashing the server if **non thread safe** PHP modules are used.

- FastCGI interface provides a compromise between performance and stability. FastCGI allows the PHP software to remain running after serving requests while continuing to run outside of the Web Server's memory. If an unstable PHP module is used, it will not crash the Web Server. For this reason Sun recommends you to use FastCGI interface with the PHP software.

The FastCGI interface is supported with Web Server through the installation of the FastCGI add-on available at <http://www.sun.com/download/products.xml?id=42d693c3>.

When run as a FastCGI process, the PHP software uses the following environment variables to control the life cycle of PHP processes.

- `PHP_FCGI_CHILDREN` determines the number of PHP processes that will be created to respond to requests.
- `PHP_FCGI_MAX_REQUESTS` determines the number of requests a PHP process can respond to before terminating itself and being replaced with a new PHP process.

Note – Sun recommends against the use of `PHP_FCGI_CHILDREN`. Instead, you can use the FastCGI add-on configuration parameter `min-procs` to control the minimum number of PHP processes.

NSS and NSPR Support

Sun Java System Web Server supports NSS. The version of NSS included in this version of Web Server is **3.11.1** (for both 32-bit and 64-bit). NSS is a set of libraries designed to support cross-platform development of security-enabled server applications. Sun Java System Web Server 6.1 SP6 also includes NSPR **4.6.2**.

NSS has released the following patches. You can download these patches from <http://patchstatus.sfbay.sun.com/patchstatus/>.

- Solaris 8 SPARC: 119209-07
- Solaris 9 SPARC: 119211-07
- Solaris 9 x86: 119212-07
- Solaris 10 SPARC: 119213-07
- Solaris 10 x86: 119214-07
- Linux: 121656-07

Enhanced Hardware Accelerator Encryption Support

Sun Java System Web Server 6.1 provides hardware accelerator support for Sun Crypto Accelerator 500 and 1000, a cryptographic accelerator board that enhances the performance of SSL on Web Server.

64-bit Support

To complement the existing support to 32-bit Solaris SPARC, Sun Java System Web Server 6.1 SP6 also supports 64-bit Solaris SPARC. Sun encourages administrators to continue to deploy the 32-bit release of Sun Java System Web Server.

The 64-bit release may be of use in certain memory-intensive deployments as it enables administrators to configure a larger file cache and Java heap than the 32-bit release. However, existing plug-ins are not compatible with the 64-bit release. These plug-ins have to be recompiled for the 64-bit release by the plug-in vendor. Java web applications that use native, and non-Java libraries should also be recompiled.

Sun Java System Web Server 6.1 SP6 also provides 64-bit support for FastCGI, Reverse Proxy, and Java Web Services Developer Pack (JWS DP) plug-ins.

The 64-bit release is compatible with 64-bit Solaris kernels on UltraSPARC processors. The 64-bit release cannot be used on x86 processors or with 32-bit Solaris kernels. The 32-bit release continues to be compatible with both 32-bit and 64-bit Solaris kernels.

Note – The 64-bit and 32-bit releases of Sun Java System Web Server are packaged and distributed separately. It is not possible to upgrade an existing 32-bit Sun Java System Web Server installation to a 64-bit installation. It is possible to distinguish the 32-bit and 64-bit releases by the version string that is displayed in the installer, at server startup, and in the server errors log as follows:

| Release | Version String |
|---------|------------------------------------|
| 32-bit | Sun ONE Web Server 6.1SP6 |
| 64-bit | Sun ONE Web Server 6.1SP6 (64-Bit) |

Solaris PKCS #11 Support

For Web Server's SSL subsystem (NSS) to use external PKCS#11 token(s), you have to configure NSS with the `modutil` command to make it aware of the token(s). The Solaris `libpkcs11` softtoken is a PKCS#11 compliant token which can be used with NSS. As an additional benefit on UltraSPARC-T1, systems using Solaris 10's `libpkcs11` will make use of the platform crypto acceleration support.

Run the `modutil` command without any arguments for usage information. For example, to add the Solaris 10 `libpkcs11` library as a PKCS11 token in NSS,

- Ensure that SSL support has been initialized for the Web Server instance(s). You can do this using the Administration GUI.
- Run the following command:

```
% modutil -dbdir $ALIASDIR -dbprefix $PREFIX -add libpkcs -libfile  
/usr/lib/libpkcs11.so -mechanisms RSA
```

where,

- \$ALIASDIR is the path to the alias directory in the install root where the NSS database files are located.
- \$PREFIX is the prefix used by the key3/cer8 database files in the alias directory and is of the form https-\$INSTANCENAME-.

Note the `-mechanisms` flag which makes this token the preferred initial provider for the given algorithms.

Run the `modutil` command without any arguments for a list of all possible mechanisms.

Before using the `libpkcs11` provider, initialize its password with `pktool`:

```
% pktool setpin
```

For further details on configuring NSS, see man pages and references:

- `libpkcs11(3LIB)`: <http://docs.sun.com/app/docs/doc/816-5173/6mbb8aduq?a=view>
- `pkcs11_softtoken(5)`: <http://docs.sun.com/app/docs/doc/816-5175/6mbba7f37?a=view>
- `pktool(1)`: <http://docs.sun.com/app/docs/doc/816-5165/6mbb0m9oj?a=view>
- `modutil`: <http://www.mozilla.org/projects/security/pki/nss/tools/modutil.html>

Localized Version Support

If you are using a localized version of Web Server 6.1x, you can take advantage of the existing localization features by installing Sun Java System Web Server 6.1 SP6 over the existing server. Sun Java System Web Server 6.1 SP6 is available in Japanese, Simplified and Traditional Chinese, French, Spanish, German, and Korean.

Supported Platforms

Sun Java System Web Server 6.1 SP6 can be installed on the Solaris, HP-UX, AIX, Linux, and Windows platforms. For more information about installation requirements, see [“Required Patches” on page 15](#) in these release notes and *Sun Java System Web Server 6.1 SP6 Installation and Migration Guide*. The following table summarizes platform support.

Note – HP-UX 11i is supported only on PA-RISC platforms.

TABLE 1 Sun Java System Web Server 6.1 SP6 Supported Platforms

| Vendor | Architecture | Operating System | Minimum Required Memory | Recommended Memory | Recommended Disk Space |
|-----------------|------------------|---|-------------------------|--------------------|------------------------|
| IBM | PowerPC | AIX 5.1*, 5.2, 5.3 | 64 MB | 192 MB | 256 MB |
| Hewlett-Packard | PA-RISC 2.0 | HP-UX 11.11 | 64 MB | 192 MB | 256 MB |
| Microsoft | x86 | Windows 2000 SP4 or higher Windows XP Professional Windows 2000 Advance Server, Windows 2003 SP1 Enterprise Edition (32 bit) | 64 MB | 192 MB | 256 MB |
| Sun | SPARC** | Solaris 8, 9, 10 | 64 MB | 192 MB | 256 MB |
| Sun | SPARC** (64-bit) | Solaris 10 | 64 MB | 192 MB | 256 MB |
| Sun | SPARC**, x86 | Trusted Solaris 8 (Professional Services Engagement)*** | 64 MB | 192 MB | 256 MB |
| Sun | x86 | Solaris 9, 10 | 64 MB | 192 MB | 256 MB |
| Sun | x86 | Sun Linux 5.0 (Deprecated)**** | 64 MB | 192 MB | 256 MB |
| Red Hat | x86 | Red Hat Advanced Server 2.1 <ul style="list-style-type: none"> ■ Linux kernel 2.4.9-e.3smp ■ glibc-2.2.4-26 ■ ncurses-4-5.0-5 Red Hat Enterprise Linux 3.0 update 1 <ul style="list-style-type: none"> ■ uname -r: 2.4.21-9.ELsmp Red Hat Advance Server 4.0 SuSE Linux Enterprise 9.0 | 64 MB | 192 MB | 256 MB |

* AIX 5.1 is deprecated.

** As of iPlanet Web Server 6.0, older SPARC CPUs are not supported. Sun Java System Web Server 6.1 continues to support the UltraSPARC architecture.

*** Sun or Sun Partner Advantage professional services highly recommended.

**** Support for Sun Linux 5.0 is deprecated and will be removed in the next release of the Sun Java System Web Server.

Sun recommends you to migrate your Web Server to a supported operating system.

Note – For a Solaris installation, Sun Java System Web Server (SP5 onwards) supports Global Zone with Sparse Root Zone and Whole Root Zone.

Required Patches

Sun recommends you to update your operating system with the latest applicable patches.

Note – To upgrade from Java Enterprise System (JES) 4 to Sun Java System Web Server 6.1 SP6, you should add the security patches along with the Web Server patches.

- [Solaris Patches](#)
- [HP-UX Patches](#)
- [AIX Patches](#)

Solaris Patches

Solaris users must have the Sun recommended patch cluster installed. For more details, see <http://sunsolve.sun.com>.

Solaris 8 (SPARC)

- Solaris 8 2/02
- Sun recommended latest Security and Recommended patch cluster

Solaris 9 (SPARC and x86)

- Solaris 9 8/03 or above
- Sun recommended latest Security and Recommended patch cluster

HP-UX Patches

The following HP-UX patches are required for Sun Java System Web Server 6.1 SP6.

HP-UX 11i

HP-UX 11i is supported only on PA-RISC platforms.

The minimum patch level required is as follows:

- B.11.11.0203 – HP-UX 11i Operating Environment Component
- B.11.11.0306.1 — Required patch bundle for 11i, June 2003
- B.11.11.0306.4 — Gold Base patches for HP-UX 11i, June 2003
- B.11.11.0306.4 — Gold Application patches for HP-UX 11i, June 2003
- PHCO_29109 — Pthread enhancement and fixes
- PHCO_30544 — Pthread.h fix and new enhancement
- PHCO_29328 — libc man page cumulative patch
- PHCO_29495 — libc cumulative patch
- Java Out-of-Box — JAVA_OOB, 1.0.00.0

The following patch levels are also certified:

For bundled JDK

- BUNDLE11i — B.11.11.0306.1 — Required Patch Bundle for HP-UX 11i, June 2003
- HPUX11i-OE — B.11.11.0412 — HP-UX 11i Operating Environment Component
- GOLDAPPS11i — B.11.11.0412.5 — Gold Applications Patches for HP-UX 11i v1, December 2004
- GOLDBASE11i — B.11.11.0412.5 — Gold Base Patches for HP-UX 11i v1, December 2004
- GOLDAPPS11i — B.11.11.0506.4 — Applications Patches for HP-UX 11i v1, June 2005
- GOLDBASE11i — B.11.11.0506.4 — Base Patches for HP-UX 11i v1, June 2005
- GOLDBASE11i.PHCO_29960 — 1.0 — Pthread enhancement and fixes
- GOLDBASE11i.PHCO_31061 — 1.0 — libc cumulative patch
- PHCO_30544 — 1.0 — Pthread enhancement and fixes
- PHCO_31923 — 1.0 — libc cumulative header file patch JAVA_OOB, 1.0.00.02
- PHCO_33711 - 1.0 — libc cumulative patch

For JDK 1.5.0_01:

- BUNDLE11i — B.11.11.0306.1 — Required Patch Bundle for HP-UX 11i, June 2003
- GOLDAPPS11i — B.11.11.0506.4 — Applications Patches for HP-UX 11i v1, June 2005
- GOLDBASE11i — B.11.11.0506.4 — Base Patches for HP-UX 11i v1, June 2005
- HPUX11i-OE — B.11.11.0312 — HP-UX 11i Operating Environment Component
- PHCO_30544 — 1.0 — Pthread enhancement and fixes
- PHCO_32761 — 1.0 — libc cumulative patch
- PHCO_33711 - 1.0 — libc cumulative patch
- Java15JDK - 1.5.0.01.00 — Java 1.5 JDK for HP-UX

- JAVAOOB — 2.03.01 — Java2 Out-of-box for HP-UX

The Java out-of-box tool is used to configure the necessary kernel tunable parameters. Use of this tool is the recommended method for modifying kernel values. If necessary, modify the following tunable parameters to reflect a value equal to or greater than the following:

- `nkthreads` – 3635
- `maxfiles` – 60
- `maxfiles_lim` – 1024
- `max_thread_proc` – 512
- `maxswapchunks` – 2048
- `nfile` – 4136
- `ncallout` – 3651
- `nproc` – 2068



Caution – Modifying the kernel tunable parameters can have adverse impacts on your system.

AIX Patches

The following AIX patches are required for Sun Java System Web Server 6.1 SP6.

AIX 5.1

- Base-level OS — AIX 5.1
- Maintenance-level patches — 5100-09
- JDK APAR — IY46667 must be applied

AIX 5.2

- Base-level OS — AIX 5.2
- Maintenance-level patches — 5200-02
- JDK APAR — IY46668 must be applied

If you have deployed Java web applications on the Web Server, set the following environment variables to the values specified below (as per the IBM JDK documentation) before starting the server:

- `export AIXTHREAD_SCOPE=S`
- `export AIXTHREAD_MUTEX_DEBUG=OFF`
- `export AIXTHREAD_RWLOCK_DEBUG=OFF`
- `export AIXTHREAD_COND_DEBUG=OFF`

You can directly add the above code line to the Web Server start script.

AIX 5.3

- Base-level OS — AIX 5.3
- Maintenance-level patches — 5300-01

Deprecated or Modified Public Interfaces in Sun Java System Web Server 6.1

The following public interfaces in Sun Java System Web Server 6.1 may be deprecated or modified in non-compatible ways in a future Web Server release. These interfaces remains unchanged within the Web Server 6.1 product. Scripts that rely on these interfaces may have to be updated to function with future Web Server releases.

TABLE 2 Deprecated or Modified Public Interfaces

| Configuration File or Utility | Description |
|--|--|
| <code>magnus.conf</code> | Modified. Some functionality may be moved to other files. |
| <code>server.xml</code> | Modified. Schema and functionality may be modified. |
| <code>nsfc.conf</code> | Deprecated. Functionality may be moved to other files. |
| <code>dbswitch.conf</code> | Deprecated. This file may be eliminated; functionality may be moved to other files. |
| <code>password.conf</code> | Deprecated. This file may be eliminated; functionality may be moved to other files. |
| file layout | Modified. The configuration file structure may be modified. |
| start, stop, restart, and rotate scripts | Modified. The names and/or locations of these utilities may change. |
| <code>wdeploy</code> application | Deprecated. This utility may be eliminated; functionality may be integrated with other management utilities. |

Installation, Upgrade, and Migration Notes

This section includes notes about installing, upgrading, and migrating your Sun Java System Web Server. For detailed information about these topics, refer the *Sun Java System Web Server 6.1 SP6 Installation and Migration Guide*. For known issues in this release of Sun Java System Web Server, see “Known Issues” on page 45.

Installation

- **Do not install Web Server into a directory with spaces in the name.**

It is very important to note that the Web Server **will not start** if it is installed into a directory with spaces in the name, for instance, Program Files. You will not receive an error message about this during installation, but following installation the server will not start.

- **Web Server cannot be set up on RHLAS 3.0 without `compat-libstdc++`**

Upgrade

When you install Sun Java System Web Server 6.1 SP6 over an existing installation of Sun Java System Web Server, the installer automatically carries out the upgrade.

If you have Sun ONE Web Server 6.1 SP1 installed, point the Sun Java System Web Server 6.1 SP6 installer to the location of the 6.1 SP1 installation and then upgrade.

If you have the Sun Java Enterprise System 1 installed on your system and you wish to upgrade the Sun ONE Web Server 6.1 that is part of Sun Java Enterprise System 1 to Sun Java System Web Server 6.1 SP6, refer the *Sun Java Enterprise System 2004Q2 Installation Guide*.

Migration

Direct migration from a version of iPlanet™ Web Server lower than 4.1 to Sun Java System Web Server 6.1 SP6 is not supported. You must first migrate your legacy server to iPlanet Web Server 4.1, and then to Sun Java System Web Server 6.1 SP6.

For detailed migration information, see *Sun Java System Web Server 6.1 SP6 Installation and Migration Guide*. This guide contains information about migrating from version 4.1 to 6.1 and from version 6.0 to 6.1.

Product Documentation

Sun Java System Web Server includes a complete set of product documentation at <http://docs.sun.com/coll/1308.2>.

Sun Java System Web Server manuals are available as online files in PDF and HTML formats. The following table lists the tasks and concepts described in each manual.

TABLE 3 Sun Java System Web Server Documentation Roadmap

| For Information About | See the Following |
|--|--|
| Late-breaking information about the software and documentation | <i>Release Notes</i> |
| Getting started with Sun Java System Web Server, including hands-on exercises that introduce server basics and features (recommended for first-time users) | <i>Getting Started Guide</i> |
| Performing installation and migration tasks: <ul style="list-style-type: none">■ Installing Sun Java System Web Server and its various components, supported platforms, and environments■ Migrating from a previous version of Sun Java System Web Server | <i>Installation and Migration Guide</i> The guide can also be accessed from your Web Server installation: <code>server_root/manual/https/ig/</code> |

TABLE 3 Sun Java System Web Server Documentation Roadmap (Continued)

| For Information About | See the Following |
|---|---|
| Performing the following administration tasks: <ul style="list-style-type: none"> ■ Using the Administration and command-line interfaces ■ Configuring server preferences ■ Using server instances ■ Monitoring and logging server activity ■ Using certificates and public key cryptography to secure the server ■ Configuring access control to secure the server ■ Using Java 2 Platform, Enterprise Edition (J2EE platform) security features ■ Deploying applications ■ Managing virtual servers ■ Defining server workload and sizing the system to meet performance needs ■ Searching the contents and attributes of server documents, and creating a text search interface ■ Configuring the server for content compression ■ Configuring the server for Web publishing and content authoring using WebDAV | <i>Administrator's Guide</i> The guide can also be accessed from your Web Server installation: <code>server_root/manual/https/ag/</code> |
| Using programming technologies and APIs to do the following: <ul style="list-style-type: none"> ■ Extend and modify Sun Java System Web Server ■ Dynamically generate content in response to client requests ■ Modify the content of the server | <i>Programmer's Guide</i> |
| Creating custom Netscape Server Application Programmer's Interface (NSAPI) plug-ins | <i>NSAPI Programmer's Guide</i> |
| Implementing Servlets and JavaServer Pages™ (JSP™) technology in Sun Java System Web Server | <i>Programmer's Guide to Web Applications</i> |
| Editing configuration files | <i>Administrator's Configuration File Reference</i> |
| Tuning Sun Java System Web Server to optimize performance | <i>Performance Tuning, Sizing, and Scaling Guide</i> |

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, see <http://sun.com/access>.

Resolved Issues

This section lists the most important issues fixed in the following releases:

- [Issues Resolved in 6.1 SP6](#)
- [Issues Resolved in 6.1 SP5](#)
- [Issues Resolved in 6.1 SP4](#)
- [Issues Resolved in 6.1 SP3](#)
- [Issues Resolved in 6.1 SP2](#)
- [Issues Resolved in 6.1 SP1](#)
- [Issues Resolved in 6.1](#)

Issues Resolved in 6.1 SP6

The following table lists the issues resolved in Sun Java System Web Server 6.1 SP6.

TABLE 4 Issues Resolved in Sun Java System Web Server 6.1 SP6

| Problem ID | Description |
|------------|---|
| 5027774 | WW_umask in the configuration is NULL in Solaris. |

TABLE 4 Issues Resolved in Sun Java System Web Server 6.1 SP6 (Continued)

| Problem ID | Description |
|------------|--|
| 6334248 | Windows 2003 mapped network drive not readable as a document root directory. |
| 6397340 | <p>Additional Information:To use a document root in a shared network resource, a UNC path has to be used, for example, <code>//<machine-name>/<shared-folder-name></code>. A mapped drive letter like X: will not work as document root. You can specify the document root either manually in <code>server.xml</code> or through the Administration GUI: Virtual Server Class->Content Management->Primary Content Directory.</p> <p>For using a shared directory on UNIX, do the following:</p> <ol style="list-style-type: none"> 1. Install SFU (Windows Services for UNIX) on the Windows machine where Web Server is installed. 2. Map the Windows users and groups to UNIX users and groups through the SFU user interface shortcut under the Start menu. <p>Note – While running Web Server, User Name Mapping Service (which is part of SFU) has to run.</p> <p>For using a shared directory from another Windows machine, ensure that the password of Administrator account on both the machines is same, otherwise the service will not be able to access the network resource.</p> <p>Whether the shared directory is on UNIX or Windows, the service representing the instance server has to run as a particular user of Administrators group like <code>./Administrator</code> rather than running it on the default local system account. To do this, go to Control Panel->Administrative Tools->Services and make the changes in the Properties dialog box.</p> |
| 6384651 | For HP-UX: Web Server sometimes return wrong last-modified header and date header. |
| 6404983 | Searching of Users and Groups through LDAP server using the Administration GUI fails. |
| 6316387 | Web Server uses incorrect logic when processing the <code>if-unmodified-since</code> header. |
| 6318003 | Web Server sends back the actual content with 412 code for request with <code>if-unmodified-since</code> and <code>range</code> . |
| 6312702 | <code>HttpServletResponse.reset()</code> does not work as expected. |
| 6360180 | Crash in <code>webapps/qa_app/jsp/encodedurlforwarder</code> . |

TABLE 4 Issues Resolved in Sun Java System Web Server 6.1 SP6 (Continued)

| Problem ID | Description |
|------------|--|
| 6316881 | <p>Multibyte characters in headers can't be retrieved by <code>req.getHeader()</code>.</p> <p>Workaround:</p> <p>By default, request headers are encoded using UTF-8 enc. You can customize request header encoding at the web-app level by following these steps:</p> <ol style="list-style-type: none"> Set the value of the configuration parameter <code>use-requestenc-for-headers</code> to any value such as <code>yes</code>, <code>true</code>, or <code>on</code>, in the web-app's <code>sun-web.xml</code>. In the following example, request header encoding is enabled for the web-app: <pre data-bbox="511 517 1158 730"><sun-web-app> <parameter-encoding form-hint-field="j_encoding"> <property name="use-requestenc-for-headers" value="true" > <session-config> <session-manager> </session-config> <jsp-config> </sun-web-app></pre> <ol style="list-style-type: none"> Set the name of the character encoding in the application (JSP/Servlet) using <code>request.setCharacterEncoding()</code>. |
| 6318406 | Redeploying the web-app causes ownership changes on files. |
| 6294743 | Updating JSP search collection creates new tmp files in the converted directory and fills up disk space. |
| 6197731 | Internal error on accessing Administration Server. |
| 6316262 | Administration GUI does not reflect the changes made to the access log path. |
| 6378521 | makefiles need a cleanup in 6.1 SPx. |
| 6318200 | Buffer overflows when formatting installer error messages. |
| 6343584 | Deadlock in keepalive subsystem caused by NSS blocking. |
| 6326965 | <p>Administration password in plain text in a file readable by anyone.</p> <p>Workaround: There are two workarounds;</p> <ol style="list-style-type: none"> Delete the file <code>.adminpasswd</code> manually. Change the permissions of the <code>.adminpasswd</code> file to <code>400</code>. |

TABLE 4 Issues Resolved in Sun Java System Web Server 6.1 SP6 (Continued)

| Problem ID | Description |
|--------------------|---|
| 4991884 6246214 | <p>Search indexing hangs on large .doc files.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Add the following property within the SEARCH element. <pre data-bbox="573 378 1191 513"><SEARCH> <PROPERTY name="conversionExtensions" Value="pdf,doc"> : : </SEARCH></pre> 2. Restart the server. 3. Add .doc files to the collection. |
| 6356179 | <p>The Administration Server of Web Server 6.1 does not change the id attribute in the USERDB tag.</p> <p>Additional Information: To change the 'id' attribute in the USERDB tag, do the following:</p> <ul style="list-style-type: none"> ■ Create one virtual server class file. Use this class file as template to create multiple virtual servers. In this case, most of the configuration defined by VS Class will be inherited by all virtual servers. or ■ Create multiple virtual server class files within a server instance (https-localhost) and each of these virtual server class files can contain one or more virtual servers. |
| 6333656 | MIME type file in Web Server binaries must have the StarOffice/OpenOffice MIME types. |
| 6342394 | Cron log rotation on Windows can create invalid archive logs with a specific instance name. |
| 6358851 | SNMP Master and Sub Agent startup fails. |
| 6336309 | Problem with rewriting the special character in server.xml. |
| 6335483 | Create symbol enabled builds for HP-UX (non-stripped). |
| 6332442 | Web Server crashes on Linux when Init fn="stats-init" is present in magnus.conf. |
| 4718466 | After importing the 6 th key to crypto, iplanet WS 6.0 displays an error: <i>server not avail</i> . |
| 6340799 | During stress test on S1WS6.1SP5 SSL on SUSE Linux Ent. Server 9 SP2, webserverd has memory leak. |
| 6353988 | Cannot set client trust or server trust on some built-in Certificate Authorities (CAs) for Web Server 6.1SP4/SP5. |
| 6329109 | Web Server 6.1: Lock file conflict for multiple installations running on the same port but different IP address. |
| 6378545 | While updating a JSP search collection, updating a JSP file fails re-indexing. |

TABLE 4 Issues Resolved in Sun Java System Web Server 6.1 SP6 (Continued)

| Problem ID | Description |
|------------|--|
| 6280778 | PDF files unable to be indexed with Web Server 6.1 search. This error occurs on HP-UX with OS patch PHSS_28871 installed. |
| 6302377 | Servlet container UTF-8 URI mapping vulnerability. |
| 6370089 | Integrate NSS 3.11.1 with Web Server 6.1 SP6. |
| 6285129 | Using % in the <code>jsp:param</code> value fails in some circumstances. |
| 6324034 | Web Server has default limit for upload file size as 10MB. |
| 6361485 | <code>htaccess</code> not working in Web Server 6.1 SP5 for User Document Directories. |
| 6350122 | WS6.1SP5 on Windows Cron based log rotation failed with garbage inside <code>scheduler.conf</code> file. |
| 6388243 | Installing a CRL on Web Server 6.1SP4 (Windows) adds it to the CKLs section in the Administration GUI. |
| 6377343 | With NSS 3.11.1, certificates with new critical extensions like <code>PolicyConstraints</code> mentioned in RFC3280 can be imported into the certificate database. |
| 6376634 | The SSL session was not timing out as expected when <code>SSL3SessionTimeout</code> or <code>SSLSessionTimeout</code> was configured to the user defined value in <code>magnus.conf</code> . NSS 3.11.1 fixed the <code>magnus.conf</code> directives <code>SSL3SessionTimeout</code> and <code>SSLSessionTimeout</code> . |

Issues Resolved in 6.1 SP6 Documentation

The following table lists the issues resolved in the English language version of Sun Java System Web Server 6.1 SP6 documentation.

Note – The following issues exists in the localized version of Sun Java System Web Server 6.1 SP6 documentation.

TABLE 5 Issues Resolved in Sun Java System Web Server 6.1 Documentation

| Problem ID | Description |
|------------|---|
| 6378473 | <i>Release Notes for Sun Java System Web Server 6.1 Add-Ons Reverse Proxy Plugin</i> has incorrect default value for the <code>validate-server-cert</code> SAF. |
| 6391505 | <i>Installation and Migration Guide</i> should document configuration file writability, root security risks, and Solaris <code>net_privaddr</code> privilege. |
| 6359385 | <i>Administrator's Configuration File Reference</i> should document the <code>magnus.conf</code> variable <code>MaxKeepAliveConnections</code> value range for 64-bit server. |

TABLE 5 Issues Resolved in Sun Java System Web Server 6.1 Documentation (Continued)

| Problem ID | Description |
|--------------------|---|
| 6358849 | <i>Administrator's Configuration File Reference</i> should document the <code>MaxOpenFiles</code> attribute in the <code>nsfc.conf</code> configuration file. |
| 5065188 6173274 | <i>Administrator's Guide</i> incorrectly describes a Find menu Passage Search option in the Advanced Search section. This menu option is not available. |
| 6155266 | <i>Administrator's Guide</i> describes the configuration log level incorrectly. |
| 6206074 | <i>Administrator's Configuration File Reference</i> describes an incorrect default value for the <code>ChildRestartCallback</code> directive. |
| 6170766 | <i>Installation and Migration Guide</i> describes an incorrect method of upgrading a new version of Web Server in the <i>Before You Install Sun ONE Web Server</i> section. |
| 6170769 | <i>Administrator's Configuration File Reference</i> has incorrect information about the <code>AdminLanguage</code> directive. |
| 6173273 | <i>Administrator's Guide</i> has a typo error under section <i>Choosing MIME Types</i> . |
| 6173133 | <i>NSAPI Programmer's Guide</i> describes an incorrect example of a NSAPI Function Reference. |
| 6173272 | <i>Administrator's Guide</i> incorrectly documents the supported version of Java as '1.4.1_03'. |
| 5029460 | <i>Administrator's Guide</i> documents an incorrect <code>certmap.conf</code> configuration. |
| 4975161 | <i>Administrator's Configuration File Reference</i> does not document the optional parameter 'block-size' for <code>pool-init</code> . |
| 5002190 | <i>Administrator's Guide</i> doesn't contain information about the <code>htpasswd</code> command utility. |
| 5002192 | <i>Administrator's Configuration File Reference</i> has incorrect information about the <code>LogLevel</code> attribute. |
| 5038534 | <i>Administrator's Configuration File Reference</i> has incorrect default value for the <code>LogFlushInterval</code> directive. |
| 4781137 | <i>Administrator's Guide</i> has the following incorrect information: |
| 4823362 | <i>Administrator's Guide</i> needs to be updated with additional information regarding ACL. |
| 5046588 | <i>Installation and Migration Guide</i> incorrectly documents the supported version of Sun accelerator hardware. |
| 5052605 | <i>NSAPI Programmer's Guide</i> does not clearly specify that content-type needs to be in lower case. |
| 5062560 | <i>Installation and Migration Guide</i> does not document the method of disabling the start-on-boot option. |

TABLE 5 Issues Resolved in Sun Java System Web Server 6.1 Documentation (Continued)

| Problem ID | Description |
|------------|--|
| 6285234 | <i>Administrator's Configuration File Reference</i> incorrectly describes the default value of the <code>StrictHttpHeaders</code> directive as on. |
| 6067318 | <i>Administrator's Configuration File Reference</i> has insufficient information about the <i>set-variable</i> error parameter. |
| 6230379 | <i>Administrator's Configuration File Reference</i> incorrectly describes a <code>remove-file()</code> SAF. |
| 6208955 | <i>NSAPI Programmer's Guide</i> incorrectly documents the description of <code>SERVER_SOFTWARE</code> as <code>MAGNUS_VERSION_STRING</code> . |
| 6320016 | <i>Administrator's Configuration File Reference</i> doesn't clearly define the default value of <code>listenQ</code> on Windows. |
| 6354681 | <i>Administrator's Configuration File Reference</i> needs more information about DNS. |

Issues Resolved in 6.1 SP5

The following table lists the issues resolved in Sun Java System Web Server 6.1 SP5.

TABLE 6 Issues Resolved in Sun Java System Web Server 6.1 SP5

| Problem ID | Description |
|------------|--|
| 6322443 | NSFC buffer size should be configurable (64-Bit). Additional Information: Use the new <code>BufferSize nsfc.conf</code> directive to configure the size of the buffer used to transmit file contents on cache misses. The following directive can be added to <code>nsfc.conf</code> to increase the buffer size from its default of 8192 bytes to 16384 bytes: <code>BufferSize=16384</code> Larger buffer size may result in improved throughput at the cost of increased latency and memory utilization. |
| 6234284 | JES3 Web Server installation fails and/or core dumps if the Administration password contain shell meta characters such as <code>;</code> , <code>\$</code> , <code>&</code> , <code>^</code> , <code>*</code> , <code>(.)</code> , <code> </code> , <code><</code> , <code>></code> , <code>'</code> , <code>;</code> , <code>\</code> , and so on in the Administration password. |
| 6232465 | Include <code>-N</code> linker option for HP-UX Web Server builds. |
| 6171389 | Input filter is called only for the first HTTP request when using <code>Keep-Alive</code> . All subsequent requests of the TCP connection are not being processed by the filter. |
| 6195820 | Global resources are not available to load-on-startup Servlets. |
| 5042600 | Unable to migrate 6.0 SP7 Web Server instance to 6.1 SP2. |
| 6244615 | Web Server migration should correctly update <code>RootCerts</code> . |

TABLE 6 Issues Resolved in Sun Java System Web Server 6.1 SP5 (Continued)

| Problem ID | Description |
|------------|---|
| 6219618 | JES Web Server 6.1 SP2 failed to index PDF version 1.5 (Acrobat 6.x) document for creating Search Collection. |
| 6239342 | Cross-site scripting vulnerability in a default error page. |
| 4879994 | <p>SSL: Data larger than 8k is huge when the request triggers new SSL handshake.</p> <p>Additional Information: By default Web Server can upload file of size up to 1MB (when client certificate authentication is optional). To upload file larger than 1MB, increase <code>SSLClientAuthDataLimit</code> in the <code>magnus.conf</code> file. In case of simultaneous uploading of very large files, Web Server uses large chunk of memory. To minimize memory utilization do any of the followings:</p> <ul style="list-style-type: none"> ■ If authentication is not required, turn off the authentication. ■ If authentication is required, make it mandatory by setting <code>require=1</code> in the <code>obj.conf</code>. <p><code>PathCheck fn="get-client-cert" dorequest="1" require="1"</code></p> |
| 6229472 | .htaccess directive is broken. |
| 6170938 | accept language does not work for User Document Directories. |
| 6180991 | Internal-Daemon Log Rotation does not work for files larger than 2GB. |
| 6254121 | .htaccess fails to protect resources which do not have a corresponding file. |
| 6185904 | New NSS error codes are not being handled properly. |
| 6262885 | <p>Switching from HTTPS to HTTP causes generation of new session.</p> <p>Additional Information: Set the <code>isSecure</code> attribute of the session cookie for the web application under the <code>cookie-properties</code> to either <code>true</code> or <code>false</code> in the web-app's <code>sun-web.xml</code>. The default value is <code>true</code>.</p> <p>In the following example, <code>isSecure</code> is set to <code>false</code> for the web-app by setting the parameter value to <code>false</code>.</p> <pre><session-config> <cookie-properties> <property name="isSecure" value="false"> </cookie-properties> </session-config></pre> |
| 6222728 | SNMP services fail in Web Server 6.1 SP2/SP3 on Windows 2000 platform. |
| 6273472 | Web Server 6.1 SP4 uninstall script displays an error message – ‘No such file or directory’. |
| 6259257 | Some PDF files fail to be indexed by the search engine. |
| 6253489 | Using JSP and several includes within the JSP throws <code>ClassCastException</code> in the <code>ApplicationDispatcher</code> . |

TABLE 6 Issues Resolved in Sun Java System Web Server 6.1 SP5 (Continued)

| Problem ID | Description |
|------------|---|
| 6285847 | Requests with double 'Content-Length' header should get rejected (HRS vulnerability). Workaround: Add the StrictHttpHeaders directive in magnus.conf and set its value to on. |
| 6275413 | Incorrectly configured home-page SAF crashes server. |

Issues Resolved in 6.1 SP4

The following table lists the issues resolved in Sun Java System Web Server 6.1 SP4.

TABLE 7 Issues Resolved in Sun Java System Web Server 6.1 SP4

| Problem ID | Description |
|------------|---|
| 6021153 | Required patch id 112396-03 does not exist. The patch #112396-03 listed as required in earlier release notes was incorrect. The correct patch number is: 112396-02. Solaris users must have the Sun recommended patch cluster installed, available in the Recommended and Security Patches section at: http://sunsolve.sun.com <i>Solaris 8 (SPARC)</i> <ul style="list-style-type: none"> ■ Solaris 8 Update 7 ■ Sun recommended latest Security and Recommended patch cluster. <i>Solaris 9 (SPARC and x86)</i> <ul style="list-style-type: none"> ■ Solaris 9 Update 4 or above. ■ Sun recommended latest Security and Recommended patch cluster. |
| 6066252 | Client certificates with AKI extension causes SEC_ERROR_UNKNOWN_ISSUER error. |
| 6092498 | Web Server 6.1 fails to validate a client certificate with LDAP if the certificate contains Czech characters. |
| 6171311 | Frequent errors encountered when running Web Server with JDK 1.5. |
| 6171784 | Web Server performance issue with certain error logging configuration. |
| 4925875 | For Korean HTML collection, Korean word search with asterix does not contain return any result. |

TABLE 7 Issues Resolved in Sun Java System Web Server 6.1 SP4 (Continued)

| Problem ID | Description |
|------------|---|
| 6171950 | <p>Precompiled JSPs do not work as expected with reload-interval parameter in sun-web.xml.</p> <p>Workaround: Use the property 'use-precompiled' (set to true under JSP-config in sun-web.xml) to specify that the JSPs are precompiled and should never need to be compiled at runtime.</p> <p>A sample sun-web.xml is as follows:</p> <pre data-bbox="535 479 1074 696"><sun-web-app> <session-config> <session-manager> </session-config> <jsp-config> <property name="use-precompiled" value="true" > </jsp-config> </sun-web-app></pre> |
| 5048940 | Superuser Access Control page in Administration GUI not accessible after upgrade from SP1. |
| 6177544 | libpassthrough.so not present after RPM installation of plug-in. |
| 6176231 | Sun Java System Web Server 6.1 SP4 — Using the Delete certificate Administration GUI (bin/https/admin/security) core dumps with NSS 3.9.3 beta. |
| 6173365 | Multiple package installers for same build of Web Server of Solaris SPARC/x86. |
| 5039633 | Update NSS to 3.9 series. |
| 5063134 | Java Enterprise System symbolic link not used for J2SE location. |
| 6067407 | Problems using ACL_LDAPSessionFree(). |
| 6173293 | Web Server always sets content type to text/html when Servlet filter is set. |
| 6176264 | Web Server 6.1 SP4 Solaris x86 unable to start the SSL instance through the Administration GUI. |
| 6180677 | Web Server SP4 for JES3 is unable to upgrade on top of Web Server SP2 for JES2. |
| 6066139 | Tests fail while running Web Server with JDK1.5_beta2 release. |
| 6088595 | Administration console throws exception with JDK 1.5.0_beta2 while creating and editing classes. |
| 4904913 | I18N search: '?' wildcard search in Japanese causes wrong match. |

Issues Resolved in 6.1 SP3

The following table lists the issues resolved in Sun Java System Web Server 6.1 SP3.

TABLE 8 Issues Resolved in Sun Java System Web Server 6.1 SP3

| Problem ID | Description |
|------------|---|
| 4798461 | GUI does not correctly reflect when 'Transmit File' is turned off. |
| 4904896 | I18N search: sort encoding list of Default Encoding on search Administration GUI. |
| 4905412 | GUI doesn't permit to manage users in the <code>keyfile</code> database. |
| 4991338 | Web Server Administration console does not show all the tabs (in Mozilla browser). |
| 5001819 | Web Server 6.1: Nova Search Engine sometimes misses to pick up document. |
| 5014693 | Java filters, HTTP compression, and SHTML fail to interoperate. |
| 5021077 | Encountering <code>java.lang.NullPointerException</code> if you click on OK button without selecting the Directory Server. |
| 5025617 | Web Server's JNDI needs to map <code>resource-env-ref's</code> from <code>sun-web.xml</code> . |
| 5042676 | Request flow problem with Client tag code=302. |
| 5056989 | <p>Enable prefixing of hostname in session ID.</p> <p>You can enable prefixing hostname in session ID (as in 6.0SPx) for the web-app by setting the value of the property <code>prefixSessionIDWithHostname</code> under <code>manager-properties</code> to <code>yes</code>, <code>true</code>, or <code>on</code>, in the web-app's <code>sun-web.xml</code>.</p> <p>In the following example, prefixing host name in session ID is enabled for the web-app by setting the parameter value to <code>true</code>.</p> <pre><session-config> <session-manager> <manager-properties> <property name="prefixSessionIDWithHostname" value="true"> </manager-properties> </session-manager> </session-config></pre> |
| 5057749 | Web Server 6.1 SP2: Plug-in defined in <code>certmap.conf</code> does not load. |
| 6041356 | Memory leaks when <code>AdminLanguage</code> and/or <code>DefaultLanguage</code> is specified in <code>magnus.conf</code> . |
| 6057426 | <p>The load balancer plug-in (formerly Resonate plug-in), <code>loadbal.so</code>, does not work on SPARC Solaris.</p> <p>Note that the location of the <code>loadbal.so</code> plug-in is:</p> <pre>server_root/plugins/loadbal.so</pre> |

TABLE 8 Issues Resolved in Sun Java System Web Server 6.1 SP3 (Continued)

| Problem ID | Description |
|------------|---|
| 5065017 | Servlet session data problem. |
| 5048051 | Create collection fails on Linux with RPM install. |
| 5029954 | Stack size is ignored when ConnQueueSize/RqThrottle is 0. |
| 4898077 | Inconsistent behavior between HttpServerAdmin and iWS console. |
| 5013100 | Two ports (for example, 2500 and 02500) are added in server.xml as different ports. |
| 5046634 | <p>2-byte character in HTTP header and plug-in programs.</p> <p>You can enable response header encoding at the web-app level by setting the value of the configuration parameter use-responseCT-for-headers to yes, true, or on, in the web-app's sun-web.xml.</p> <p>In the following example, response header encoding is enabled for the web-app setting the parameter value to true. A sample sun-web.xml is as follows:</p> <pre><sun-web-app> <parameter-encoding form-hint-field="j_encoding"> <property name="use-responseCT-for-headers" value="true" > <session-config> <session-manager> </session-config> <jsp-config> </sun-web-app></pre> |

Issues Resolved in 6.1 SP2

The following table lists the issues resolved in Sun Java System Web Server 6.1 SP2.

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2

| Problem ID | Description |
|------------|---|
| 4536102 | ADM:i18n: SNMP community name doesn't show up on Solaris Netscape. |
| 4536194 | CGI subsystem makes blocking calls from NSPR user threads. |
| 4536739 | Administration ACL and Superuser AC: Allow only 'from host' does not work. |
| 4615933 | CORE SHTML: can't set Content-encoding for .shtml files. |
| 4629796 | French Thread pool name displaying garbage on JA-NT (Internet Explorer and Netscape). |
| 4651056 | Web Server returns 404 for files starting with '...'. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4651206 | After adding new mime type file, there is no way of verifying addition from the GUI. |
| 4651207 | Document preference Web page should provide a file to use for error responses. |
| 4652009 | Customized access log file is not reflected in the GUI in the View Access Log tab. |
| 4657465 | Need to disable cookie-encoding. By default, the Sun Java System Web Server URL encodes the cookies before sending them to the client. If you do not want the cookies to be encoded, add the following line to sun-web.xml: <property name="encodeCookies" value="false"> For the above example, add the line directly under the sun-web-app tag; do not embed them in any other tag. |
| 4664945 | Internal Error from URL forwarding form. |
| 4666409 | Clearing the ErrorResponse CGI file name. |
| 4676934 | Distributed - Administration: Overrides default ACI in Web Server 6.0 SP2. |
| 4676946 | No validation of virtual server settings form. |
| 4676950 | Internal error on removing http:// from URL forwarding form. |
| 4682434 | CGI that has scripts to grab environment variables fails to execute. |
| 4682894 | Cluster management - Selection of source server deselects target servers. |
| 4684775 | Asynchronous DNS is disabled by default. |
| 4707989 | Web-app/JSP: load-on-startup not working on JSP files. |
| 4704385 | Cluster: Null message in modify cluster when 'OK' is clicked soon after reset. |
| 4705181 | User and group is not validating for the users and accepting blank spaces in CGI. |
| 4705204 | Newly added ACL files are not getting deleted after selecting delete. |
| 4706063 | chroot and directory are not validating correctly. |
| 4711353 | Administration: Global SNMP Master Trap Warning displays <i>Form Element Missing:manager?</i> . |
| 4718914 | Turn the security ON for any instance server without installing a certificate. |
| 4724503 | After enabling IPv6 on GUI Edit listen socket, server will not start. |
| 4727597 | Administration GUI gets cluttered when a new server is added with a duplicate port. |
| 4721021 | Unable to access absolute URI on SSL enabled server. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4727444 | Access Log reports incorrect data. |
| 4732877 | Urlhosts field does not accept more than one hostname. |
| 4745314 | \$id variable in VSCLASS docroot is not working on Windows. |
| 4749239 | ACLI: Incorrect processing of ACL. |
| 4753601 | MaxRqHeader directive in magnus.conf is not working as desired. |
| 4754934 | Vignette NSAPI plug-in on Web Server 6.0 not functioning correctly when HTTP1.1 is used. |
| 4761188 | <p>LDAP: Improve LDAP dynamic group performance for ACL's.</p> <p>For performance reason, a new LDAP configuration parameter, <code>dyngroups fast</code> is introduced for SP2. With this parameter, Web Server will make assertion about group membership bypassing nested individuals among dynamic groups.</p> <p>For example, assuming that user 'alpha' belongs to group 'a', group 'a' is a member of group 'b' by group 'b' memberURL definition (dynamic group), and your ACL only grants group 'b' access. In such case, Web Server will deny access from 'alpha' because 'alpha' is not regarded as member of group 'b'.</p> <p>If you want to support a nested group, do not define this new config for LDAP authentication service (you won't get performance gain consequently.) A sample configuration directory is as follows:</p> <pre>ldapregular ldap://localhost:389/o=TestCentral ldapregular: dyngroups fast</pre> |
| 4763653 | Validation required for the form elements in document preferences page. |
| 4764307 | Magnus.conf: Performance settings: accepting negative numbers. |
| 4765709 | Administration: Configure Directory Service not validating <code>binddn/password</code> . |
| 4770294 | Web Server 6.1 on Windows should add CR character to the end of line in access log. |
| 4786612 | Web Server treats ':' as a separator between hostname/IP and port in several places. This code needs to be updated to recognize when the ':' is actually part of an IPv6 address. |
| 4787310 | Eviction fails in NSFC when <code>SmallFileSpace</code> is set to low value. |
| 4788075 | Setting the PATH variable in magnus.conf for Web Server 6.0 SP5 does not work. |
| 4800173 | Performance issue with large ACL file in conjunction with many virtual servers. |
| 4808402 | Native authenticator support. |
| 4814097 | Unable to select 'none' as program item under program groups in GUI. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4822720 | <p>Keep-alive subsystem should be dynamically tuned.</p> <p>The keep-alive subsystem requires tuning for optimal performance. In Web Server 6.0, this subsystem was tuned for heavy load and performs poorly when there are only a handful of concurrent keep-alive connections. The keep-alive subsystem was modified for Web Server 6.1 SP2 so it performs some dynamic tuning to accommodate the actual load.</p> |
| 4849907 | shtml is parsed when execute permission is not set and configured. |
| 4855807 | AIX: Web Server hangs after restarted by watchdog. |
| 4858152 | Access log entries in server.xml of the migrated instance points to invalid path. |
| 4869527 | SNMP: Test fails for RH Linux 6.2/7.2/Adv Server 2.1, and Sun Linux 5. |
| 4862498 | New directory Service Screen not connected to interface. |
| 4870613 | Back button not working for frames in Netscape 7. |
| 4873766 | The upload-file SAF does not work correctly with chunked requests. |
| 4882838 | <p>Unable to specify protocol for URL in generated redirects.</p> <p>The server generates a self-referencing URL whenever it sends a redirect to a client. As of Web Server 6.1 SP1, the servername attribute of the LS element in server.xml can be used to configure the scheme used in server-generated self-referencing URLs.</p> <p>For example, if an SSL offloader sits between the Internet and the Web Server instance, decrypting SSL-encrypted traffic for http://www.sun.com and relaying it to the Web Server on port 8080, a LS element such as the following could appear in server.xml:</p> <pre data-bbox="471 1008 1074 1060"><LS remap="ls1" port="8080" security="disabled"...servername="https://www.sun.com"></pre> <p>The 'https://' prefix in the servername value instructs the server to use the HTTPS scheme in self-referencing URLs even though the LS is not configured to handle SSL traffic.</p> |
| 4889081 | Internal log rotation creates empty logs. |
| 4894033 | Distributed-administration: Functioning of Administration ACL 'Allow only from host/ip' is not as per document. |
| 4896881 | While untaring the Web Server bits, the ownership and group information is not correct. |
| 4897074 | On Linux only: When you create a collection, PDF files will not be indexed and added to the collection. |
| 4899105 | The highlighting of the connection value in edit virtual server is not correct. |
| 4905175 | WebDAV ACL settings are inherited into new Virtual Servers. |
| 4909378 | Help Button for edit WebDAVd is not pointing to the correct help page. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4903449 | Performance affected with multi-process mode and one thread. |
| 4905681 | The AsyncDNS setting is ignored in Sun Java System Web Server 6.1 SP1. The Web Server never performs asynchronous DNS lookups. Note that even when the magnus . conf has AsyncDNS on, Asynchronous DNS is still turned off. |
| 4908631 | An error message status is returned when user tries to stop the server when it is not running. |
| 4907288 | Cluster Management file transfer not working on Windows. |
| 4909678 | Web Server 6.1 Digest authentication is not working for flat files. |
| 4910266 | Web Server 6.1: Creating Digest file users via GUI duplicates users in exponential order. |
| 4904088 | Migration final page needs to HTML encode the '<' and '>' characters. |
| 4908986 | JDBC: Servlet code UploadServlet mishandles SQL exceptions. |
| 4904896 | I18N search: sort encoding list of Default Encoding on search Administration GUI. |
| 4908010 | Unable to remove search collection for a newly created virtual server. |
| 4908401 | I18N: Un-localized timestamp for each search—returned documents. |
| 4910222 | Error on Windows when trying to create a collection with a document root that has back slashes. Workaround: This behavior occurs when you specify a document root that has back slashes or mixed slashes. Use forward slashes. |
| 4911548 | Server returns ConfigException while creating the duplicate search collection. |
| 4911656 | I18N: Can not go to 'sort by date' link while searching multibyte characters. |
| 4913909 | i18n: error adding file with Korean filename - skipping since no read permission. |
| 4913228 | Missing quote in oracle script for jdbcRealm sample application. |
| 4910869 | NSFC enhancement needed. Add the ReplaceFiles nsfc . conf directive. When ReplaceFiles=true (default), the existing file cache behavior is preserved. ReplaceFiles=false indicates that once a file is cached, its file cache entry should never be discarded to make room for another file; this is useful in benchmark scenarios because it allows us to eliminate contention on the hit list lock. |
| 4910272 | Server should not accept mixed slashes for the doc root while adding a new server. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4912254 | Web Server installation failed due to 'set -o noclobber' in .env. |
| 4911070 | Web Server 6.1: Add listen socket protocol family field is missing for IPv6 address. |
| 4911630 | Many of the fields in the magnus editor does not have validations as they are accepting negative integer values. |
| 4911550 | Getting ServletException while trying to access the server with additional doc. |
| 4911633 | Change Password for the user is not working. |
| 4913566 | The URL Forwarding Editing Page is not consistent. |
| 4919473 | Updating Security Realm properties from Administration GUI not reflected in server.xml. |
| 4913289 | Help on 'Edit Virtual Class' doesn't give complete criteria for VS class deletion. |
| 4916331 | Keep-alive connections can hang under light load. |
| 4925475 | The server.xml createconsole attribute is ignored. |
| 4925938 | Getting Null Pointer exception if user mistakenly edits the VS Administration URL. |
| 4929848 | Performance: Web Server polls kstat once per second. |
| 4926414 | I18N-korean: Re-indexing collection hangs when missing one or more existing docs. |
| 4935797 | certmap.conf file location mis-represented. |
| 4930327 | Destination headers are not URL decoded in MOVE/COPY requests. |
| 4933483 | SIGCHLD signals are reported on startup. |
| 4935582 | TCP_NODELAY need not be set for AF_NCA. |
| 4930642 | Source returned when the file's mime.types entry does not end with a carriage return. |
| 4930329 | Default values of maxpropdepth is poorly chosen. |
| 4932995 | The leading '/' is being removed when deleting web application through Administration GUI. |
| 4935420 | Resource picker for restrict access fails for migrated instance of 6.1. |
| 4944850 | Address directive not properly migrated when migrating from Web Server 4.1 to 6.1. |
| 4946829 | Administration: Creating a new virtual server after migration causes \$user: unable to find value. |
| 4941027 | Cross site scripting in Web Server administration interface. |
| 4948397 | Web Server 6.1 SP1 SNMP is not working. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4946187 | Distributed-Administration: 'After enabling distributed administration, if an ACL is set to allow authenticated users only, the server still allows access to other users in the Administration group. |
| 4947005 | Add server instance is not working on Solaris x86. |
| 4940040 | Administrator's Configuration File Reference defines nonexistent TYPE element. |
| 4942750 | Search example is incorrect. |
| 4943631 | Wrong documentation on Thread pool config file. |
| 4941741 | Web Server 6.1 SP1 server on Solaris 8 SPARC fails to start due to libCld.so. |
| 4945994 | fc_net_write should result in a single system call. |
| 4940418 | Third-party profiler support for bytecode instrumentation. |
| 4943329 | IWSSessionManager doesn't work as expected with Web Server 6.1. |
| 4947065 | The search web-app shows only a maximum of 11 collections. |
| 4947624 | Ineffective alert message displayed while re-indexing on Windows. |
| 4950552 | Wrong number of results for particular output results (11, 21, 31...). |
| 4954789 | Web Server deployment fails with ClassCastException. |
| 4956415 | Web Server 6.1 Search: Requesting an ability to display the meta tag description. |
| 4950644 | Ineffective alert message displayed while creating a duplicate collection on Linux. |
| 4951860 | httpagt depends on NETSITE_ROOT variable. |
| 4957158 | fc_open fails when running specweb99 on x86 build. |
| 4952492 | MOVE method should 'rename' files when possible. |
| 4958571 | PR_NetAddrToString performance is less than expected. |
| 4951264 | Web Server crashes during Java-triggered reconfiguration and server shutdown. |
| 4958755 | ServletContext.getContext(String) does not return other contexts when called from root context. It returns the root context. |
| 4950653 | 'Null' is displayed for QoS vsclass values. |
| 4951982 | Invalid error message is displayed while configuring LDAP with wrong credentials. |
| 4953147 | Cron-based log rotation fails when Administration user is root, and instance is non-root. Workaround: Change the user to be same as Administration server user in the scheduler.conf file. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|---|
| 4961864 | Web Server hangs when using rotate-callback. |
| 4962059 | Administration password stored as plain text in file setup. inf. |
| 4969637 | Minor coding error in send-error SAF. |
| 4961999 | After adding a virtual server, the top frame does not show the virtual server in the drop down box. |
| 4962624 | Administration: No Validation for protocol value in Edit Listen socket. |
| 4963483 | The GUI gets cluttered if one tries to create an ACL file path with forward slash. |
| 4968422 | Showing up invalid ACL file on the browser in the WebDAV screen. |
| 4966497 | Perf Dump data for Average Queueing Delay is not correct. |
| 4970955 | Cross-site security issue with Apache sample (\plugins\java\samples\webapps\simple). |
| 4972573 | Incorrect behavior in web-apps-sample sample application in Web Server 6.1 SP1. |
| 4972587 | Incorrect instructions in index.html of I18N sample application. |
| 4976454 | Samples shipped with Web Server 6.1. |
| 4970273 | FastCGI beta libraries are in RTM Web Server packages. |
| 4976953 | AIX 6.0 SP6: forbidden error to a GET for a file with correct group permissions. |
| 4976490 | Log messages are truncated. |
| 4975675 | Dynamic reconfiguration fails when server is under load. |
| 4976910 | NSFC_GetEntryPrivateData() calls NSFC_ExitCacheMonitor() when no entry exists. |
| 4973079 | The GUI retains dismissed invalid port entries and populates it when servername field validation fails. |
| 4975788 | classpath edited using Internet Explorer is broken; server JVM can't start. |
| 4975798 | Cannot add path to classpath suffix using web-admin. |
| 4975782 | Cannot delete external JNDI reference. |
| 4970188 | RPM can't locate system umask. |
| 4971298 | pkgchk -n fails for Web Server package in JES. |
| 4986761 | Web Server 6.0 migration fails. |
| 4989231 | Server fails to start up on Linux platform. Wrong JDK path during build. |
| 4988104 | Edit virtual servers page should update the connections value correctly. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|--|
| 4986700 | Last-modified and Etag are suppressed when Servlet filters are used. |
| 4991888 | Storing the wrong file name for key file configuration. |
| 4992739 | Cannot start Web Server instance, after modifying its classpath suffix. |
| 4995447 | Web Server 6.1 SP2 RH Linux unable to access Administration GUI; throws error message after login. |
| 4995489 | Solaris x86: distributed Administration cannot be enabled. |
| 4991775 | Validation of cookie name in cookie example Servlet. |
| 5002905 | Super User Access Control cannot be set even when Distributed Administration is not enabled. |
| 5012107 | POST request body consumed twice when using bad plug-in. |
| 4962659 | Search criteria is getting truncated to 100 characters. |
| 4967580 | Search displays wrong links for the SSL enabled instance. |
| 4970181 | Stellent filters need to be added to the Linux and Solaris x86 builds. |
| 4975327 | indexMeta tags of the nova search should be set automatically. |
| 4975367 | Indexing for the meta tag should be case-insensitive. |
| 4997149 | Remove documents with *. * pattern is not removing all the files when the excludeExtensions property is set. |
| 4997178 | Server returns null pointer exception while indexing .sxc file when excludeExtensions is set. |
| 4997697 | Page numbers are not displayed properly on the search results page. |
| 4844616 | Misconfiguration of bs witch causes crash. |
| 4854698 | Plug-in crashes with malformed request. |
| 4866965 | ACLI: Failed authentication will be logged twice in the server errors log file. |
| 4880864 | ACL: Web Server returns "404 Not found" errors when ACLs deny access. |
| 4915326 | WEBC: granting signedBy permissions to jar files does not work. |
| 4918754 | Web Server 6.1 cannot process HTTP URL GET parameter that is in 8-bit charset. |
| 4924921 | Cannot set 800 MB of JVM maximum heap size on Windows 2000 using JDK 1.3.1. |
| 4926336 | Using % in the value of JSP parameter corrupts the query string. |
| 4927770 | Server aborts with SIGABRT from within libjvm. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|---|
| 4928358 | JSP errors are wrongly reported as “Not Found” errors. |
| 4930374 | extra-class-path attribute in class-loader element in sun-web.xml doesn't work as expected. |
| 4932893 | Dynamic reloading doesn't work for web application descriptor files, for example web.xml. |
| 4939370 | Web container thread names are not unique. |
| 4934083 | LDAP: Crash during LDAP authentication. |
| 4934562 | WEBC: getRemoteUser() does not work for standalone JSPs. |
| 4935669 | WEBC: request may not always contain client certificate data. |
| 4935570 | Certificate data not always present even when available. |
| 4932547 | Tomcat AuthenticatorBase returns 500 instead of 403. |
| 4946762 | Out-of-box default realm should be native. |
| 4948123 | Web Server 6.1 incorrectly reports client key size in certain situations. |
| 4949842 | WEBC: isUserInRole() will not match when using core authentication. |
| 4957829 | LDAP: user can enter wildcard '*' for UID in basic authentication. |
| 4960013 | Cannot have more than one LDAP realm. |
| 4968857 | htconvert not converting .nsconfig wildcard patterns correctly. |
| 4968882 | htconvert does not work on 6.1 style server.xml. |
| 4960873 | NPE encountered when a session is expired simultaneously by two (2) threads. |
| 4973927 | EPIPE signal not caught as an IOException from OutputStream.write(). |
| 4976277 | Using JDK 1.4.1 provided JNDI connection pool for LDAP pooling. |
| 4983707 | Changing the log level to Security causes NullPointerException upon start. |
| 4981028 | Distributable semantics in web.xml is not honoured by the web container. |
| 4993468 | getResourcePaths returns paths that contain '/'. |
| 4996219 | webserverd leaks memory on RedHat Linux Advance Server 3.0. |
| 4997593 | Poor integration between NSAPI srvhdrs and HttpServletResponse headers. |
| 4997756 | LOCK-UNLOCK is not working properly and GUI does not show up lock information properly. |
| 4997838 | Web Server does not start on RHLAS 3.0 with Security turned On. |

TABLE 9 Issues Resolved in Sun Java System Web Server 6.1 SP2 (Continued)

| Problem ID | Description |
|------------|---|
| 5003531 | 500 error when accessing web-app with transport-guarantee=CONFIDENTIAL from a non-SSL port. |
| 5004542 | ASN.1 parsing bugs/brute forcer program can cause Web Server crash. |
| 5016494 | NSS: Crash in DER_UTCTimeToTime with corrupt certificate. |

Issues Resolved in 6.1 SP1

The following table lists the issues resolved in Sun Java System Web Server 6.1 SP1.

TABLE 10 Issues Resolved in Sun Java System Web Server 6.1 SP1

| Problem ID | Description |
|------------|--|
| 5060906 | <p>Authorization dialog pops up for an unprotected directory without index file.</p> <p>Additional information: As for 6.1 SP1, if a directory does not have an index file such as <code>index.html</code>, <code>index.jsp</code>, or <code>home.html</code>, then while turning on ACL authentication anyone with read and write permission are denied the list access even though this directory is unprotected.</p> <p>Workaround: To revert back to the previous behavior of 6.1, change the default ACL so that anonymous users are allowed list privileges. Make the changes as follows:</p> <pre>allow (read, execute, info, list) user = "anyone"</pre> |
| 4642650 | <p>Option needed to disable appending of absolute URL in Servlet/JSP container.</p> <p>Fix details: New property added to <code>sun-web.xml</code>: <code>relativeRedirectAllowed</code></p> <p>Default value: <code>false</code></p> <p>Description: If <code>true</code>, allows the web application to send a relative URL to the client using the <code>HttpServletResponse.sendRedirect()</code> API (that is, it suppresses the container from translating a relative URL to a fully qualified URL).</p> |
| 4793938 | Enabling Remote File Manipulation from the Server Manager GUI allows any remote user to obtain a listing of any directory in the server's URI space. |
| 4904201 | javahome path wrongly set when adding a server with no bundled JDK. |
| 4911580 | Adding a new server instance may fail with a Server Error message. |
| 4928794 | Server restarts when trying to create null resource by PUT. |

TABLE 10 Issues Resolved in Sun Java System Web Server 6.1 SP1 (Continued)

| Problem ID | Description |
|------------|--|
| 4929913 | <p>Search engine does not extract and index FTS information from PDF files.</p> <p>Fix details: This fix applies to all supported platforms except Linux.</p> <p>The Author, Subject, and Keywords meta tags are always indexed. Functionality has been added that now allows arbitrary meta tags to be indexed, including those produced when converting the FTS_* attributes from PDF files. Manual configuration of a new setting in server.xml is required, as described below.</p> <ul style="list-style-type: none"> ■ In the SEARCH section of server.xml, add a PROPERTY with name="indexMetatags". The value should be a comma-delimited list of meta tag names (note that the Author, Subject, and Keywords meta tags are always indexed, regardless of this setting). ■ To index the meta tags resulting from the conversion of PDFs and other types of documents, this configuration must use the name of the meta tag, rather than the name of the "field" in the particular document type. For example, to index the FTS_Title contents from PDF files, "Title" must be a component of the "indexMetatags" setting: <pre><PROPERTY name="indexMetatags" value="Title"></pre> <p>Note – See issue 4956415 for details about displaying custom meta tag information in search results.</p> |
| 4933935 | On Solaris 9: reconf ig does not work in package-based installs. |
| 4945089 | <p>ASN.1 parsing issue in SSL.</p> <p>A problem has been identified in the implementation of the SSL protocols used by the Web Server that may be exploited as a Denial of Service attack. Sun Java System Web Server 6.1 SP1 fixes this problem. If you use the Web Server to host sites that utilize SSL version 3 or TLS, you are strongly encouraged to install this service pack.</p> |
| 4950388 | The reconf ig command does not work on Windows XP. |
| 4964069 | The commi t . exe utility crashes on Windows platforms. |

Issues Resolved in 6.1

The following table lists the issues resolved in Sun Java System Web Server 6.1.

TABLE 11 Issues Resolved in Sun Java System Web Server 6.1

| Problem ID | Description |
|------------|---|
| 4869693 | On Windows, the Web Server installation overwrites SunONE Directory Server .dll files due to cohabitation issues with Directory Server 5.x. |

TABLE 11 Issues Resolved in Sun Java System Web Server 6.1 (Continued)

| Problem ID | Description |
|------------|---|
| 4540254 | Rotating log files shouldn't require server restart on UNIX. |
| 4727146 | Logs filling with 'connection reset' entries. |
| 4786735 | Installer doesn't set proper JDK CLASSPATH/LIBPATH when the external JDK is used. |
| 4792721 | Incorrect error messages when LDAP server is offline. |
| 4799452 | <code>sun.tools.javac.Main</code> has been deprecated, exception stops valid JSPs. |
| 4801874 | <code>ACL_LDAPSessionAllocate</code> always returns <code>LAS_EVAL_FAIL</code> . |
| 4811418 | Digest authentication crashes. |
| 4819405 | Memory growth/leak of <code>slapd</code> process with <code>digestauth</code> plug-in. |
| 4820513 | <code>digestauth</code> plug-in code is not thread safe. |
| 4839875 | When using <code>cacheofs/nfs</code> as <code>ClassCache</code> and <code>document-root</code> , Sun Java System Web Server doesn't always pick up the new JSP. |
| 4842190 | Web Server crashes when receiving <code>Accept-Language</code> header larger than 15 languages. |
| 4842574 | Server crash with malformed request. |
| 4842601 | <code>Accept-Language</code> header security issue. |
| 4846832 | CRL corrupts database. |
| 4848896 | <code>digestauth</code> plug-in crashes for a particular type of request. |
| 4849914 | Memory leak in <code>digestauth</code> plug-in for a particular type of request. |
| 4855546 | Log analyzer vulnerability. |
| 4858026 | JSP: crash in <code>getParameter</code> when posting large amounts of data. |
| 4867887 | Basic authentication fails for users with user IDs that have spaces. |
| 4903319 | When you create a collection, not all documents will be indexed and added to the collection. |

Known Issues

This section lists the more important known issues and limitations at the time of the Sun Java System Web Server 6.1 SP6 release. The issues are listed as follows:

- [General](#)
- [Administration](#)
- [Core](#)
- [Documentation and Online Help](#)

- [Installation](#)
- [Migration](#)
- [Samples](#)
- [Search](#)
- [Security](#)
- [Tools](#)
- [Web Container](#)
- [WebDAV](#)
- [Localization](#)

General

The following table lists General known issues.

TABLE 12 General Known Issues

| Problem ID | Description |
|------------|---|
| 6198559 | JES3: Patch upgrade of Web Server on Linux displays false 'uninstall' notification. |
| 4988370 | Contents does not get updated under a particular situation on HP-UX 11.0 platforms. |
| 6413819 | <p>HP-UX operating system has two cache spaces called Page Cache and Buffer Cache for accessing files. Normally, when the application performs the mmap function, the file is mapped to Page Cache.</p> <p>However, currently the operating system has no responsibility to synchronize the data between the Page Cache and Buffer Cache, if the mmap is performed as PRIVATE option. Even if you copy the file, the operating system refreshes the cached data only in the Buffer Cache.</p> <p>Workaround: Use the vi editor to update the contents each time.</p> |
| 6404983 | <p>Searching of Users and Groups through LDAP server using Administration Graphical User Interface fails.</p> <p>Workaround: For this feature to work, install Red Hat Linux AS 3.0 update 1 — uname -r: 2.4.21-9.ELsmp.</p> |

Administration

The following table lists the known issues in Administration.

TABLE 13 Known Issues in Administration

| Problem ID | Description |
|------------|--|
| 6301761 | ACL applet might fail to load with Mozilla 1.4 and Firefox 1.0.6. |
| 6021151 | <p>Problem using <code>HttpServerAdmin</code> to create a JNDI resource containing an LDAP domain name containing commas.</p> <p>Workaround: For <code>HttpServerAdmin</code> to escape the <code>'</code>, in the property use <code>'\'</code> as escape character (and use <code>'\'</code> in Windows platforms).</p> <p>In the property <code>java.naming.provider.url=ldap://localhost:389/ou=loggingQueues,ou=tms,ou=services,ou=abc</code> the <code>'</code>, are escaped as shown here:</p> <pre>-property java.naming.provider.url=ldap://localhost:389/ou=loggingQueues \\,ou=tms\\,ou=services\\,ou=abc</pre> |
| 5007892 | <p>Distributed Administration: ACL deletion does not clean up <code>obj.conf</code>.</p> <p>Workaround: Comment out <code>NameTrans</code> for <code>https-admserv</code>:</p> <pre>#NameTrans fn="assign-name" name="https-admserv" from="/https-admserv/*"</pre> |
| 5035129 | Unable to manage Directory Server user/group/ou using Web Server 6.1 SP2 Administration on RHLAS 3.0. |
| 4650456 | View Access and View Error doesn't work properly with multi-byte characters. |
| 4652585 | <p>When Distributed Administration is enabled, the local Administration user is disabled</p> <p>Workaround: Create a user with the default Administration user name within the distributed Administration group.</p> <p>Note that the newly created LDAP Administration user must have the same password as the Web Server Administration user.</p> |
| 4725683 | <p>The log file date stamp does not take the local time zone into account and shows the incorrect date.</p> <p>Workaround: If the date in the log file filename extension should match the date of the log entries, configure the server to rotate the log files at 23:59.</p> |
| 4761960 | <p>Web Server 6.0 SP4: Cannot enable distributed Administration when using SASL and anonymous bind.</p> <p>Workaround: Do not use anonymous bind to SSL enabled directory server.</p> |

TABLE 13 Known Issues in Administration (Continued)

| Problem ID | Description |
|------------|---|
| 4841310 | <p data-bbox="468 251 1298 286">Can't get REMOTE_USER variable when authenticated by .htaccess.</p> <p data-bbox="468 295 1298 468">Workaround: If you enable .htaccess files, the server checks for .htaccess files before serving resources. The server looks for .htaccess files in the same directory as the resource and in that directory's parent directories, up to and including the document root. For example, if the Primary Document Directory is set to /sun/server/docs and a client requests /sun/server/docs/reports/index.html, the server will check for .htaccess files at /sun/server/docs/reports/.htaccess and /sun/server/docs/.htaccess.</p> <p data-bbox="468 477 1298 624">Note that the server's Additional Document Directories and CGI Directory functionality allows an administrator to define alternate document roots. The existence of alternate document roots affects .htaccess file processing. For example, consider a server with the Primary Document Directory set to /sun/server/docs and a CGI program at /sun/server/docs/cgi-bin/program.cgi.</p> <p data-bbox="468 633 1298 720">If you enable CGI as a File Type, the server will evaluate the contents of both /sun/server/docs/.htaccess and /sun/server/docs/cgi-bin/.htaccess when a client issues a request for the CGI program.</p> <p data-bbox="468 729 1298 859">However, if you configure a CGI Directory at /sun/server/docs/cgi-bin, the server will inspect /sun/server/docs/cgi-bin/.htaccess but not /sun/server/docs/.htaccess. This occurs because specifying /sun/server/docs/cgi-bin as a CGI Directory marks it as an alternate document root.</p> |
| 4865295 | The End User Administration feature (under Distributed Administration in the Administration interface) is no longer supported. |
| 4882999 | Inconsistent look and feel of the Administration GUI. |
| 4888696 | <p data-bbox="468 980 1298 1041">The Add Server page in the Administration GUI disappears in Netscape 7.0 when insufficient information is entered.</p> <p data-bbox="468 1050 1298 1189">Workaround: Enter complete information on the Add Server page before clicking OK. If necessary, reload the page to restore the Add Server GUI, or click another page or another tab and then navigate back to the Add Server page. This problem occurs only in Netscape 7.0.</p> |
| 4910309 | <p data-bbox="468 1197 1298 1223">The word 'null' is incorrectly displayed on an alert message.</p> <p data-bbox="468 1232 1298 1302">This word displays when editing directory services in the Pick Directory for Virtual Server page in the Virtual Server Manager.</p> |
| 4905808 | <p data-bbox="468 1310 1298 1371">Super users cannot access the Administration interface after enabling distributed administration.</p> <p data-bbox="468 1380 1298 1451">Workaround: After enabling distributed administration, create a user in LDAP with the same administration user name and password as that of super user.</p> |

TABLE 13 Known Issues in Administration (Continued)

| Problem ID | Description |
|------------|--|
| 4908694 | Default link not working for Logging Settings. The default link on the Logging Settings for Virtual Server page does not set the default path, but rather acts as a reset button. |
| 4910197 | When editing a JDBC resource, the properties page retains values after they have been deleted. |
| 4911552 | .shtml files are parsed even if you configure them to be un-parsed. |
| No ID | The sun-web.xml file bundled with the Web Server points to the wrong DTD location. Correction: The correct location is http://www.sun.com/software/dtd/webserver/sun-web-app_2_3-1.dtd . |
| 6284698 | Web Server not operational when installed as non root user. Workaround: Start the Web Server instance from the command line instead of using the Web Administration console. |
| 6078104 | JSP applications are not accessible from WS6.1 when passthrough plug-in is configured. Workaround: Change the line from the service directive of passthrough: From: Service type="magnus-internal/passthrough" fn="service-passthrough"servers="http://server:port" To: Service fn="service-passthrough" servers="http://server:port" |
| 4991278 | No Administration GUI feature available to delete JSP ClassCache files. |
| 6316265 | Administration GUI says Click Apply for the changes to take affect but there is no Apply button for Administration Server. |

Core

The following table lists the known issue in Core.

TABLE 14 Known Issues in Core

| Problem ID | Description |
|------------|---|
| 6363944 | <p>webserverd child process orphaned when Solaris crypto softtoken (libpkcs11.so) is used in Web Server 6.1SP5 64-bit.</p> <p>Workaround: This problem occurs only when the server is explicitly configured to use the Solaris softtoken. If you have to use <code>fork()</code>, <code>Runtime.exec()</code>, or <code><! - #exec cmd=" . . " -></code>, do not configure the server to use the Solaris softtoken.</p> |
| 6313832 | <p>Existing 32-bit plug-ins cannot be used with the 64-bit release. Attempting to load a 32-bit plug-in using the 64-bit Sun Java System Web Server release will result in an error message such as the following:</p> <pre>Sun ONE Web Server 6.1SP5 (64-Bit) B10/28/2005 09:00 failure: CORE3170: Configuration initialization failed: Error running init function load-modules: dlopen of plugin.so failed (ld.so.1: webserverd: fatal: plugin.so: wrong ELF class: ELFCLASS32)</pre> <p>Workaround: Use the 32-bit release of Sun Java System Web Server or contact the plug-in vendor to obtain a 64-bit release of the affected plug-in.</p> |
| 4939491 | HP-UX: Executing the <code>./stop</code> script gives an error message and kills the process group. |

Documentation and Online Help

The following table lists the known issues in Documentation and Online Help.

Note – For a list of known issues in the localized versions of 6.1 documentation, see [“Issues Resolved in 6.1 SP6 Documentation”](#) on page 26.

TABLE 15 Known Issues in Documentation

| Problem ID | Description |
|------------|--|
| 6367812 | <p>Online help does not document steps to restart the <code>schedulerd</code>.</p> <p>Additional Information: To start <code>schedulerd</code> from a command line, set an environment variable <code>ADMSEV_ROOT</code> by following these steps:</p> <ol style="list-style-type: none"> 1. Run <code>ADMSEV_ROOT=\$SERVER_ROOT/https-admserv/config</code> 2. Export <code>ADMSEV_ROOT</code> 3. Go to the <code>\$SERVER_ROOT/bin/https/bin</code> directory 4. Run <code>./schedulerd -d <server_root></code> |
| 4957123 | <i>Administrator's Guide</i> does not document the Search Query operators. |

TABLE 15 Known Issues in Documentation (Continued)

| Problem ID | Description |
|------------|--|
| 4964908 | No documentation available regarding feature upgrades. |
| 5016571 | <i>Online Help</i> page under Generic Thread Pools gives invalid information. |
| 5031366 | Invalid links in the online version of <i>Administrator's Guide</i> . |
| 4968568 | <i>Administrator's Configuration File Reference</i> guide's description on the ConnQueueSize directive is not clear. |
| 5043491 | Incorrect online help content. |
| 5053339 | <i>Online Help</i> — Directory Indexing information is missing in <i>Administrator's Guide</i> and online help. |
| 4928287 | All documents do not inform the user the nonexistence of <instance>/lib directory. Additional Information: This directory is not created by the installer. Users have to create the directory if it does not exist. |
| 6308091 | <i>Administrator's Configuration File Reference</i> — Wildcard pattern with tilde in ppath does not work as documented. Correction: Configure either of the followings: <i>Config 1</i> <Object ppath="*~*.gif">AddLog fn=flex-log name="access"</Object> <i>Config 2</i> <Object ppath="*~*(.gif .gif/)">AddLog fn=flex-log name="access" </Object> |
| 6237303 | <i>Release Notes for SUN ONE Web Server 6.1</i> does not list all patches that are required for Solaris SPARC. Additional Information: 109326-09 is a required patch for Web Server 6.1 on Solaris 8. |

Installation

The following table lists the known issues in Installation.

TABLE 16 Known Issues in Installation

| Problem ID | Description |
|------------|--|
| 5020317 | <p>JDK only upgrade results in disabling search (user receives an exception, and search page will not be accessible from GUI).</p> <p>Workaround: This exception does not happen if Web Server 6.1 SP2 core is also installed along with, or prior to installing JDK alone. In addition, if Web Server 6.1 SP2 core is installed on top of a JDK-upgraded Web Server 6.1 SP1, the exception does not show up.</p> |
| 4855263 | <p>Sun Java System Web Server will not start if it is installed into a directory with spaces in the name, for instance, Program Files. You will not receive an error message about this during installation, but following installation the server will not start.</p> <p>Workaround: Do not install the Web Server into a directory with spaces in the name.</p> |
| 4869238 | <p>On Windows, the Sun Java System Web Server installer will not take a long name as server_root.</p> <p>Workaround: Specify a path name for the Sun Java System Web Server installation directory that is no longer than 128 characters (even though the dialog allows you to enter up to 256 characters).</p> |
| 4901205 | <p>On Solaris, <code>ctrl+b</code> does not work on screens that follow the Fully Qualified Domain Name screen in the installer (starting with the User and Group Name screen).</p> <p>Workaround: If you need to return to previous screens during the installation, quit the installer and start again.</p> |
| 4937915 | <p>On AIX: <code>ctrl-c</code> makes the terminal screen hang during installation.</p> <p>This occurs on the computer name screen (the screen used to specify the name of the computer on which the Web Server will be installed).</p> |
| 4960048 | <p>Some SNMP related files are overwritten when upgrading to Sun Java System Web Server 6.1 SP1.</p> <p>Workaround: Back up the following files before the upgrade:</p> <pre>\$server-root/plugins/snmp/magt/CONFIG</pre> <pre>\$server-root/plugins/snmp/sagt/CONFIG</pre> |

Migration

The following table lists the known issues in Migration.

TABLE 17 Known Issues in Migration

| Problem ID | Description |
|------------|--|
| 4790457 | <p>Can't change the document root of migrated server from 4.1.</p> <p>Workaround: Edit the migrated instance's <code>obj.conf</code> and <code>server.xml</code> manually. These files are located under <code><SERVER_ROOT>/<HTTPS-INSTANCE>/config</code> directory.</p> <p>In <code>obj.conf</code> change the line:</p> <pre>NameTrans fn=document-root root="<existing_doc_root>"</pre> <p>to</p> <pre>NameTrans fn=document-root root="\$docroot"</pre> <p>In <code>server.xml</code> under the relevant <code>VSCLASS</code> change the line:</p> <pre><PROPERTY name="docroot" value="<existing_doc_root>"></pre> <p>to</p> <pre><PROPERTY name="docroot" value="<new_doc_root>"></pre> |
| 6213097 | <p><code>ktsearch.jar</code> is not getting migrated correctly on Sun Java Enterprise System 3 (JES3).</p> <p>Workaround: Manually edit the <code>server.xml</code> file of the migrated instance to point to the correct path.</p> <p>For Linux: <code>/opt/sun/private/share/lib/ktsearch.jar</code></p> <p>For Solaris Sparc: <code>/usr/share/lib/ktsearch.jar</code></p> |
| 5007081 | <p>Web-apps file status ignored during migration from 6.0 to 6.1</p> <p>Web-apps status defined at the file level in the <code>server.xml</code> file is not getting migrated. If a user has switched off the status of the web-apps file to suppress them, upon migration these web-apps are exposed.</p> <p>Workaround: Edit the <code>server.xml</code> file of the migrated instance and turn off status for each web-app.</p> |
| 4988156 | <p>Installation of SP_2 patch on existing install (update)</p> <p>If you wish to upgrade the Sun Java System Web Server 6.1 that is installed as a part of Sun Java Enterprise System (JES), to the latest Service Pack, you will have to download and apply the relevant patches. For more details refer to the <i>JES 3 Migration and Upgrade Guide</i>.</p> |

Samples

The following table lists the known issues in the sample applications. Note that none of these issues prevent the sample applications from functioning correctly.

TABLE 18 Known Issues in Samples

| Problem ID | Description |
|------------|--|
| 5014039 | <p>Simple JSPs throw exception due to <code>distributable</code> tag in <code>web.xml</code></p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Remove the tag <code>distributable</code> from the <code>web.xml</code> under the <code>/simple/src</code> directory. 2. Redeploy the web-app. |
| No ID | <p><code>rmi-iiop</code> sample is missing a step.</p> <p>In the Deploying the Sample Application section, after executing the command <code>ant deploy</code> (step 2), restart the Web Server instance.</p> <p>Note – <code>ant</code> is a Java-based build tool and must be downloaded from Apache at http://ant.apache.org</p> <p>Note: . Also see the information provided in <code><install_root>/plugins/java/samples/docs/ant.html</code>.</p> |
| No ID | <p><code>jdbcrealm</code> sample has the wrong Oracle driver name.</p> <p>In the 'Compiling and Assembling the Sample Application' section, step 2b, change the following line from this:</p> <pre><PROPERTY name="dbdrivername" value="oracle.jdbc.pool.OracleDataSource"></pre> <p>To this:</p> <pre><PROPERTY name="dbdrivername" value="oracle.jdbc.driver.OracleDriver"></pre> |

Search

The following table lists the known issues in Search.

TABLE 19 Known Issues in Search

| Problem ID | Description |
|------------|---|
| 4977315 | AIX-Search Engine of 6.1 should have the ability to change the sort order. |
| 5038203 | <p>Workaround: For changing default order add '+' as a first character of the sort string. Since '+' in URI is escaped use '%2B' to change the order. In this case change the URL to:</p> <pre>http://host/search/index.jsp?si=1&ns;=10&c;=test&qt;=*&sb;=%2Bwriter.</pre> |

TABLE 19 Known Issues in Search (Continued)

| Problem ID | Description |
|------------|--|
| 4684124 | <p>If the document root of an already indexed collection is changed, the document returned by the search throws a <i>Document Not Found</i> error.</p> <p>Workaround: Rebuild the entire collection.</p> <p>To do so:</p> <ul style="list-style-type: none"> ■ Remove all documents and add them back again. Or ■ Delete the collection and create it again. |
| 4911725 | <p>Search doesn't work when you search for a word using a different case pattern.</p> <p>Search results will not be displayed on the search page if you search using a word of mixed case (for example, typing jaVa instead of java or JAVA).</p> |
| 4963236 | <p>On HP-UX: PDF files are not converted to HTML for inclusion in search collections.</p> <p>This occurs if the following patch is installed on the HP-UX 11i system:</p> <p>PHSS_28871 – ld/linker cumulative patch</p> |

Security

The following table lists the known issues in Security.

TABLE 20 Known Issues in Security

| Problem ID | Description |
|------------|--|
| 4671445 | <p>Sun Java System Web Server cannot connect to an LDAP server over SSL if LDAP client authentication is required.</p> <p>If Sun Java System Web Server contacts an LDAP server that requires client authentication (in this case, the Web Server is the client), the Web Server's certificate cannot be sent and access will fail.</p> |
| 4863599 | <p>Cannot use the same group name under different organizational units.</p> <p>If the same group name is used, and you try to restrict access with the group name, Sun Java System Web Server returns an error when clients try to access the site.</p> <p>Workaround: Use a different group name for each organizational unit.</p> |

TABLE 20 Known Issues in Security (Continued)

| Problem ID | Description |
|--------------------|--|
| 4963468 | <p>In some circumstances, the 'list' right has no effect on directory listing.</p> <p>According to Chapter 9 of the Sun Java System Web Server 6.1 <i>Administrator's Guide</i>, the 'list' right is required to obtain directory listings from directories that do not contain an index file. However, in certain circumstances it is possible to obtain a directory listing, even if the applicable ACLs deny the list right.</p> <p>If you need to restrict directory indexing, it is recommended that you do so by disabling indexing, as discussed in Chapter 16 of the Sun Java System Web Server 6.1 <i>Administrator's Guide</i>, instead of (or in addition to) denying the list right.</p> |
| 6310956 6298215 | <p>When LDAP drops the connection because of inactivity (for example, timeout set on the LDAP), Web Server is unable to re-initialize the connection to LDAP. This only occurs when Web Server is installed as part of the JES3/JES4 install. The problem does not exist in standalone (file-based) installation.</p> <p>Workaround:</p> <ol style="list-style-type: none"> Copy the library <code>libldap50.so</code> from the file-based install of Web Server and paste it to the following location in your current setup: <code>/opt/SUNWwbsvr/bin/https/lib</code> Restart the Web Server. |

Tools

The following table lists the known issues in Tools.

TABLE 21 Known Issues in Tools

| Problem ID | Description |
|------------|---|
| 4905696 | On Windows, deployment fails if the class file depth (along with the file name) exceeds 255 characters. |
| 4912181 | <p>On Linux, a null pointer exception is thrown when deploying an application using the <code>wdeploy</code> command-line utility. This happens at the end of deployment, and only if it succeeds.</p> <p>Workaround: The error occurs when <code>wdeploy</code> reads the <code>stdout/stderr</code> after executing <code>reconfigure</code> script following deployment. The <code>reconfigure</code> should go through, but you should check to see if the server did indeed reconfigure by looking in the errors log for the reconfigure message. If the message is not there, then run the <code>reconfigure</code> script manually.</p> |

Web Container

The following table lists the known issues in the Web Container.

TABLE 22 Known Issues in the Web Container

| Problem ID | Description |
|------------|---|
| 4903162 | Issue on Windows related to the case of <code>url-patterns</code> . Per the Servlet specification, <code>url-pattern</code> elements in <code>web.xml</code> are treated in a case sensitive manner. This might lead to unexpected behavior for Windows users (for example, if a client makes a request for <code>index.HTML</code> , expecting this to match <code>index.html</code>). |

WebDAV

The following table lists the known issues in WebDAV.

TABLE 23 Known Issues in WebDAV

| Problem ID | Description |
|------------|--|
| 4892017 | Unable to rename or move a resource if the parent directory is locked exclusively. This occurs when DAV clients send the incorrect <code>If :</code> header. For example, if you connect to the Web Server using Macromedia® Dreamweaver® or DAV Explorer, create a collection, and then lock the collection with depth infinity (which locks all of its resources as well), you will not be able to rename or move a resource. Adobe® GoLive® sends the correct <code>If :</code> header only if the lock's owner <code>href</code> matches <code>auth_user</code> . In all other cases with GoLive, the wrong header will also be sent. |
| 4902651 | Lock Management screen in the Virtual Server Manager does not display the lock information properly for hard links. Symbolic links (hard and soft) are not supported by the WebDAV implementation in Sun Java System Web Server. |

Localization

The following table lists the known issues in the localization.

TABLE 24 Known Issues in the Localization

| Problem ID | Description |
|------------|--|
| 4937055 | The Administration Online Help of Web Server are not localized. The Administration online help has been localized only up to the 1st level. The initial help pages are localized but clicking the links on a page (for example, Removing a Server) displays help content in English language. |

TABLE 24 Known Issues in the Localization (Continued)

| Problem ID | Description |
|------------|---|
| 6441984 | The Administration Online Help is displayed in English even if the locale is set to zh-cn. For zh-cn locale, the Administration GUI Online Help is in English. If the browser locale is zh-cn, then the complete Administration GUI Online Help is displayed in English language. |
| 6315783 | If the browser locale is French (fr), links to Online Help on the Search page leads to English documents though localized pages are available. Workaround: Modify the help URL by adding fr/ before the filename as follows: <code>http://<host>:<port>/search/help/fr/basic-search.html</code> . |

How to Report Problems and Provide Feedback

If you have problems with Sun Java System Web Server 6.1 SP6, contact Sun customer support using one of the following mechanisms:

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

Sun Welcomes Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions. Send your comments to Sun using the 'Send comments' link at <http://docs.sun.com/>.

Please include identifying information with your comments, such as the book's part number and title.

Additional Sun Resources

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

- Documentation for Sun Java System Web Server 6.1 and Service Packs
- Sun Software Products and Service at <http://www.sun.com/software>
- Sun Developer Information at <http://developers.sun.com/>
- Sun Developer Support Services at <http://developers.sun.com/services/index.jsp>
- Software Support Services at <http://www.sun.com/service/support/software/>
- Sun Support and Training Services at <http://www.sun.com/training>
- Sun Consulting and Professional Services at <http://www.sun.com/service/sunjavasystem/sjsservicessuite.html>

