

Oracle® iPlanet Web Server

Release Notes

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Oracle iPlanet Web Server Release Notes, Release 6.1 SP21

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Preface

Welcome to *Oracle iPlanet Web Server Release Notes*.

Oracle iPlanet Web Server (often referred to as Web Server in this document) is a multi-process, multi-threaded, secure web server built on industry standards. It provides high performance, reliability, scalability, and manageability for medium to large enterprises.

The information in this document is organized as follows:

- [Chapter 1, "Oracle iPlanet Web Server Release 6.1 SP21 Release Notes"](#)
This chapter contains information about the features, enhancements, and issues resolved in the current release; the hardware and software requirements; and installation, migration, and upgrade notes.
- [Chapter 2, "Known Issues"](#)
This chapter lists the important known issues and limitations at the time of the current release.
- [Chapter 3, "Product Documentation"](#)
This chapter presents an overview of the Web Server documentation; describes the documentation corrections, enhancements, and issues resolved; and provides information about how to access documentation, support, and training resources.
- [Appendix A, "Features and Enhancements in Previous Oracle iPlanet Web Server 6.1 Releases"](#)
This appendix describes the features and enhancements in previous releases of the product.
- [Appendix B, "Issues Resolved in Previous Oracle iPlanet Web Server 6.1 Releases"](#)
This appendix lists the issues resolved in previous releases of the product.

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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Oracle iPlanet Web Server Release 6.1 SP21 Release Notes

This chapter contains information about the features, enhancements, and issues resolved in Oracle iPlanet Web Server Release 6.1 SP21. It also provides information about the platforms, software, technologies and protocols that the latest release supports. For information about additional documentation changes, see [Chapter 3, "Product Documentation."](#)

This chapter contains the following sections:

- [New Features and Enhancements in Oracle iPlanet Web Server Release 6.1 SP21](#)
- [Issues Resolved in Oracle iPlanet Web Server Release 6.1 SP21](#)
- [Product Patches for Oracle iPlanet Web Server Release 6.1 SP21](#)
- [Supported Platforms](#)
- [Supported Software, Technologies and Protocols](#)
- [Deprecated or Modified Public Interfaces in Web Server 6.1](#)
- [Installation, Upgrade, and Migration Notes](#)
- [How to Report Problems and Provide Feedback](#)

1.1 New Features and Enhancements in Oracle iPlanet Web Server Release 6.1 SP21

Oracle iPlanet Web Server 6.1 SP21 supports Network Security Services (NSS) 3.17.4.

For information about new features and enhancements in previous releases of Oracle iPlanet Web Server 6.1, see [Appendix A](#).

1.2 Issues Resolved in Oracle iPlanet Web Server Release 6.1 SP21

[Table 1–1](#) lists the issues resolved in Oracle iPlanet Web Server. The documentation issues are prefixed "Doc:" in the Description column of the table.

Table 1–1 Issues Resolved in 6.1 SP21

Issue ID	Description
20954518	NSS upgrade to 3.17.4.
21087699	Version number changes for Oracle iPlanet Web Server 6.1. SP21.

For information about issues resolved in previous releases of Oracle iPlanet Web Server 6.1, see [Appendix B](#).

1.3 Product Patches for Oracle iPlanet Web Server Release 6.1 SP21

The following Oracle iPlanet Web Server Release 6.1 SP21 patches are available on the My Oracle Support site at <http://support.oracle.com>.

Platform	Patch ID
Oracle Solaris on SPARC (32-bit)	18960052
Oracle Solaris on SPARC (64-bit)	18960053
Oracle Solaris on x86 (32-bit)	18960054
Linux x86	19025058
IBM AIX on POWER Systems (32-bit)	18960090
HP-UX (32-bit)	18960091
Microsoft Windows (32-bit)	18960055

1.4 Supported Platforms

[Table 1–2](#) summarizes the supported platforms for Oracle iPlanet Web Server Release 6.1 SP21.

For more information about installation requirements, see [Section 1.4.1, "Required Patches"](#) and *Sun Java System Web Server 6.1 SP12 Installation and Migration Guide*.

Table 1–2 Oracle iPlanet Web Server Release 6.1 SP21 Supported Platforms

Vendor	Architecture	Operating System	Minimum Required Memory	Recommended Memory	Recommended Disk Space
IBM	PowerPC	AIX * 5.2, 5.3, 6.1	64 MB	192 MB	256 MB
Microsoft	x86 (32-bit)	Windows Server 2003 Enterprise Edition, SP1 or above Windows Server 2003 Enterprise Edition R2 or above	64 MB	192 MB	256 MB
Oracle	SPARC**	Solaris 10***	64 MB	192 MB	256 MB
Oracle	SPARC**** (64-bit)	Solaris 10	64 MB	192 MB	256 MB
Oracle	x86 (32-bit)	Solaris 10***	64 MB	192 MB	256 MB
Red Hat	x86 (32-bit)	Red Hat Advanced Server 4.0	64 MB	192 MB	256 MB
Novell	x86 (32-bit)	SUSE Linux Enterprise 9.0	64 MB	192 MB	256 MB

* AIX 5.1 is dropped. It was deprecated in Web Server 6.1 SP5.

** The following Microsoft Windows platforms are deprecated: Windows 2000 Professional, Windows 2000 Server, Windows 2000 Advanced Server, and Windows XP Professional.

*** The following Solaris platforms are deprecated: Solaris 8, 9.

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

For better performance and support, migrate your web server to a supported operating system.

Note: For Solaris 10 installations, Web Server 6.1 SP5 and later support Global Zone with Sparse Root Zone and Whole Root Zone.

1.4.1 Required Patches

Update your operating system with the latest applicable patches:

- [AIX 5.2 Patches](#)
- [AIX 5.3 Patches](#)
- [AIX 5.3 Technology Level 6 SP5 Patches](#)
- [AIX 5.3 Technology Level 7 SP2 Patches](#)

1.4.1.1 AIX 5.2 Patches

- Base-level OS - AIX 5.2
- Maintenance-level patches 5200-07 or above
- 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.

1.4.1.2 AIX 5.3 Patches

- Base-level OS - AIX 5.3
- Maintenance-level patches 5300-03 or above

1.4.1.3 AIX 5.3 Technology Level 6 SP5 Patches

When you upgrade from AIX version 5.3 to AIX version 5.3 Technology Level 6 SP5, apply the following patch so that the control returns to the command-line prompt when you start the administration server/instance server.

```
bos.mp/bos.mp64 at 5.3.0.66
```

1.4.1.4 AIX 5.3 Technology Level 7 SP2 Patches

When you upgrade from AIX version 5.3 to AIX version 5.3 Technology Level 7 SP2, apply the following patch so that the control returns to the command-line prompt when you start the administration server/instance server.

```
bos.mp/bos.mp64 at 5.3.7.2
```

1.5 Supported Software, Technologies and Protocols

The following sections provide information about some of the software, technologies and protocols that Oracle iPlanet Web Server 6.1 supports:

- [Active Server Pages Support](#)
- [Browser Support](#)
- [Disabling HTTP PUT and DELETE](#)
- [Enhanced Hardware Accelerator Encryption Support](#)
- [Enhanced Security](#)
- [HTTP Compression Support](#)
- [J2SE and Java SE Support](#)
- [Java Servlet 2.3 and JavaServer Pages \(JSP\) 1.2 Support](#)
- [JDBC Support](#)
- [JNDI Support](#)
- [Localized Version Support](#)
- [NSAPI Filters Support](#)
- [NSS and NSPR Support](#)
- [PHP Compatibility](#)
- [Search Engine Support](#)
- [Solaris PKCS #11 Support](#)
- [Sun Java Studio Enterprise Support](#)
- [64-bit Support](#)
- [WebDAV Support](#)

1.5.1 Active Server Pages Support

Web Server 6.1 supports the Active Server Pages (ASP) specification through Sun Java System Active Server Pages version 4.0.1 (formerly Sun ChiliSoft ASP), version 4.0.2, and version 4.0.3. Active Server Pages software adds a secure and enterprise-grade ASP engine to the Web Server. Web Server 6.1 supports Sun Java System Active Server Pages 4.0.2 and 4.0.3 on the following platforms:

- Solaris (SPARC) versions 8, 9, and 10
- Solaris (x86) 9, 10
- Windows 2000 Professional Edition, Server, Advanced Server, XP and 2003 Enterprise Edition
- AIX 5.2, 5.3

- RedHat Enterprise Linux 3.0, 4.0

A license is not required for Sun Java System Active Server Pages if you are installing it to the Web Server. The Sun Java System Active Server Pages installer is available on the companion CD if you purchase the Web Server Media Kit, or you can download it from <http://www.sun.com/download/products.xml?id=420a8e72>.

Note:

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

1.5.2 Browser Support

The following browsers are supported with Web Server 6.1 Administration graphical user interface (GUI):

Mozilla 1.7 or later
 Firefox 1.0.4 or 1.5 or later
 NetscapeNavigator 7.0 or later
 Microsoft Internet Explorer 6 and 7

1.5.3 Disabling HTTP PUT and DELETE

This section discusses on how to disable the PUT and DELETE options.

1.5.3.1 To Disable HTTP PUT and DELETE

1. Access the Administration Console.
2. Select a server from the list of servers and click the **Manage** button.
3. Click the **Restrict Access** link under the **Preferences** tab.
4. Select the Edit option from the drop-down list and click the **OK** button.
5. Select **The entire server** option from the method A table and click the Edit Access Control button.
6. Click the access rights (r-x--i) link under the Rights column.
 Access Rights table appears at the bottom of the screen.
7. Deselect the WRITE and DELETE options.
8. Click the **Update** button.
9. Click the **Submit** button.
10. Click the **Apply** link present at the top right of the screen and click the **Apply Changes** button to make the changes permanent.
11. Restart the server for changes to take effect.

1.5.4 Enhanced Hardware Accelerator Encryption Support

Web Server 6.1 provides hardware accelerator support for Sun Crypto Accelerator 500, 1000, 4000 and 6000 boards, which enhance the performance of SSL on web server.

Note: Initialize the Sun Crypto Accelerator card when using with web server. For more information about Sun Crypto Accelerator, see *Sun Crypto Accelerator 6000 Board Version 1.1 User's Guide* at:

<http://download.oracle.com/docs/cd/E19321-01/index.html>

1.5.5 Enhanced Security

Web Server 6.1 enables you to restrict access using flat file authentication through the Java Security Manager. Enabling the Security Manager feature 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</JVMOP
PTIONS>
```

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 SP12 Administrator's Configuration File Reference*.

1.5.6 HTTP Compression Support

Web Server 6.1 supports content compression. This compression enables you to increase the 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 SP12 Administrator's Guide*.

1.5.7 J2SE and Java SE Support

Oracle iPlanet Web Server 6.1 supports Java SE 6 and J2SE 5. It does not support J2SE 1.4, which has passed its EOSL (End Of Service Life).

For the Windows, Solaris, and all Linux platforms, Web Server 6.1 includes Java SE 6. When you upgrade to or install Web Server 6.1 on these platforms, the JDK is upgraded or installed automatically. For HP-UX and AIX, you must download the JDK and install it before installing Web Server.

Oracle iPlanet Web Server 6.1 is certified with the following JDK versions:

Platform	JDK 1.6 Version	JDK 1.5 Version
Hewlett-Packard HP-UX	1.6.0.01-jinteg_06_jun_2008_13_24-b00	1.5.0.16
IBM AIX	1.6.0 pap3260sr1-20080416_01(SR1)	1.5.0 pap32dev-20080315 (SR7)
Microsoft Windows	1.6.0_24	1.5.0.22
Oracle Solaris	1.6.0_24	1.5.0.22
Red Hat Linux	1.6.0_24	1.5.0.22

Platform	JDK 1.6 Version	JDK 1.5 Version
Sun Linux	1.6.0_24	1.5.0.22
SUSE Linux	1.6.0_24	1.5.0.22

Note: A 32-bit JDK is required on all platforms except 64-bit Solaris SPARC, which requires a 64-bit JDK.

1.5.8 Java Servlet 2.3 and JavaServer Pages (JSP) 1.2 Support

Web Server 6.1 includes a Java 2 Platform, Enterprise Edition (J2EE) compliant implementation of the Java Servlet 2.3 and JavaServer Pages (JSP) 1.2 technology 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:
<http://www.oracle.com/technetwork/java/index-jsp-135475.html>
- JavaServer Pages:
<http://www.oracle.com/technetwork/java/javaee/jsp/index.html>

For information about developing Servlets and JavaServer Pages, see *Sun Java System Web Server 6.1 SP12 Programmer's Guide to Web Applications*.

1.5.9 JDBC Support

Web Server 6.1 includes the Java DataBase Connectivity (JDBC) software, and supports a wide range of industry-standard and customized JDBC drivers.

1.5.10 JNDI Support

Web Server 6.1 supports the Java Naming and Directory Interface (JNDI) API. JNDI provides seamless connectivity to heterogeneous enterprise naming and directory services.

1.5.11 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 Web Server 6.1 SP13 over the existing server. Web Server 6.1 SP13 releases are available in Japanese, Simplified and Traditional Chinese, French, Spanish, German, and Korean.

1.5.12 NSAPI Filters Support

Web Server 6.1 extends the Netscape Server Application Programmer's Interface (NSAPI) to support NSAPI filters.

NSAPI filters enable the custom processing of HTTP request and response streams. This processing enabled 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 about NSAPI filters, see *Sun Java System Web Server 6.1 SP12 NSAPI Programmer's Guide*.

1.5.13 NSS and NSPR Support

Oracle iPlanet Web Server 6.1 supports NSS, a set of libraries that support cross-platform development of security-enabled server applications. Oracle iPlanet Web Server 6.1 SP18 includes version 3.14.3 of NSS (for both 32-bit and 64-bit) and version 4.8.9 of NSPR.

1.5.14 PHP Compatibility

PHP: Hypertext Preprocessor (PHP) can be used with the Web Server using one of the three supported APIs; 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 these APIs:

- CGI API is the most stable interface that can be used but will suffer from performance limitations inherent in CGI.
- NSAPI uses the 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 enables 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 use the 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: Instead of using `PHP_FCGI_CHILDREN`, use the FastCGI add-on configuration parameter `min-procs` to control the minimum number of PHP processes.

1.5.15 Search Engine Support

Web Server 6.1 supports a Java search engine that provides full-text search indexing and retrieval. The search feature enables you to search documents on the server and display results on a web page. Server administrators can create the indexes of documents and customize the search interface to meet user specific needs.

The default URL to access the search functionality is `http://server-instance:port/number/search`

For example:

`http://plaza:8080/search`

When the user goes to this URL, the Search page, a Java web application, is launched.

For detailed information about basic and advanced search feature, 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 SP12 Administrator's Guide*.

1.5.16 Solaris PKCS #11 Support

For the Web Server SSL subsystem (NSS) to use external PKCS#11 tokens, you have to configure NSS with the `modutil` command to make it aware of the tokens. 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 the Solaris 10 `libpkcs11` task 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` task as a PKCS11 token in NSS.

1. Ensure that SSL support has been initialized for the web server instances.
2. 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` and `cer8` database files in the alias directory and is of the form `https-$INSTANCENAME-`.

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

3. Run the `modutil` command without any arguments for a list of all possible mechanisms.
4. Initialize the `libpkcs11` provider's password with `pktool`.

```
% pktool setpin
```

For further details on configuring NSS, see the `libpkcs11(3LIB)`, `pkcs11_softtoken(5)`, and `pktool(1)` man pages. For more information about `modutil`, see <http://www.mozilla.org/projects/security/pki/nss/tools/modutil.html>.

1.5.17 Sun Java Studio Enterprise Support

Web Server 6.1 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 Web Server 6.1. The plug-in for the web server can be obtained in the following ways:

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

Note: Sun Java Studio 8 plug-in for Web Server 6.1 SP13 works only with a local web server, that is, the IDE and the web server must be installed on the same machine.

For more information about Sun Java Studio 8, see

<http://developers.sun.com/jsenterprise/overview/previous/jse8.jsp>.

1.5.17.1 To Use 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.

1. Restart the server instance in the debug mode by using the 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. Type the remote machine name and JPDA port number.

Any breakpoint created in the IDE on Servlet source code of a deployed application becomes active.

1.5.18 64-bit Support

To complement the existing support to 32-bit Solaris SPARC, Web Server 6.1 also supports 64-bit Solaris SPARC.

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. Therefore, you might prefer to deploy the 32-bit release of Web Server.

Web Server 6.1 SP13 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 Web Server are packaged and distributed separately. You cannot upgrade an existing 32-bit Web Server installation to a 64-bit installation. You can 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 6.1SP13
64-bit	Sun ONE Web Server 6.1SP13 (64-Bit)

1.5.19 WebDAV Support

Web Server 6.1 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 metadata, namespace management, and overwrite protection. These technologies combined with the many authoring tools that support WebDAV provide an ideal development platform for collaborative environments.

1.6 Deprecated or Modified Public Interfaces in Web Server 6.1

The following public interfaces in 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 1–3 *Deprecated or Modified Public Interfaces*

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

1.7 Installation, Upgrade, and Migration Notes

This section includes notes about installing, upgrading, and migrating your Web Server. For more information about these topics, see *Sun Java System Web Server 6.1 SP12 Installation and Migration Guide*. For known issues in this release of Web Server, see [Chapter 2, "Known Issues."](#)

1.7.1 Installation notes

Note the following:

- Do not install Oracle iPlanet Web Server into a directory with spaces in the name. 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 problem during installation, but following installation the server will not start.
- Web server cannot be set up on Red Hat Linux Advanced Server 3.0 without `compat-libstdc++`.

1.7.2 Upgrade

When you install Oracle iPlanet Web Server Release 6.1 SP21 over an existing installation, the installer automatically carries out the upgrade.

If you have Sun ONE Web Server 6.1 SP1 installed, point the Oracle iPlanet Web Server Release 6.1 SP21 installer to the location of the 6.1 SP1 installation and then upgrade.

1.7.3 Migration

Direct migration from a version of Web Server earlier than 4.1 to Oracle iPlanet Web Server Release 6.1 SP21 is not supported. You must first migrate your legacy server to Web Server 4.1, and then to Oracle iPlanet Web Server Release 6.1 SP21.

For detailed migration information, see *Sun Java System Web Server 6.1 SP12 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.

1.8 How to Report Problems and Provide Feedback

If you have problems with Oracle iPlanet Web Server Release 6.1 SP21, contact My Oracle Support (<http://support.oracle.com>).

Please have the following information available prior to contacting support. This helps to ensure that our support staff can best assist you in resolving problems.

- 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

Known Issues

This chapter lists the important known issues and limitations at the time of the Oracle iPlanet Web Server Release 6.1 SP19 release.

The issues are grouped as follows:

- [Oracle iPlanet Web Server 6.1 General Issues](#)
- [Oracle iPlanet Web Server 6.1 Administration Issues](#)
- [Oracle iPlanet Web Server 6.1 Core Issues](#)
- [Oracle iPlanet Web Server 6.1 Documentation Issues](#)
- [Oracle iPlanet Web Server 6.1 Installation Issues](#)
- [Oracle iPlanet Web Server 6.1 Localization Issues](#)
- [Oracle iPlanet Web Server 6.1 Upgrade and Migration Issues](#)
- [Oracle iPlanet Web Server 6.1 Samples Issues](#)
- [Oracle iPlanet Web Server 6.1 Search Issues](#)
- [Oracle iPlanet Web Server 6.1 Security Issues](#)
- [Oracle iPlanet Web Server 6.1 Tools Issues](#)
- [Oracle iPlanet Web Server 6.1 Web Container Issues](#)
- [Oracle iPlanet Web Server 6.1 WebDAV Issues](#)

2.1 Oracle iPlanet Web Server 6.1 General Issues

[Table 2-1](#) lists General known issues.

Table 2–1 General Known Issues

Issue ID	Description
6496339	<p>(Windows 2003 only) Report generation fails with <code>lganalyz.exe</code> application error in Web Server 6.1 SP6.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Log in to the web server machine. 2. Go to <code>WSinstall\bin\https\httpadmin\bin</code>. 3. Run the <code>flexanlg util</code> command to get the report, for example, <pre>C:/Sun/WEBSER-1.1/extras/flexanlg/flexanlg -F -n jwsoffice -x -i C:/Sun/WEBSER-1.1/HTTPS--2/logs/access -c hnrfeuok -t s5m5h10 -l c+5h5 -p ct1</pre> <p>Note:</p> <ul style="list-style-type: none"> ■ Type the above command in a continuous line. ■ Replace <code>jwsoffice</code> with your hostname or IP address. You also can export the output to an HTML file and use a browser to view it. For more information on the <code>flexanlg</code> utility, see <i>Sun Java System Web Server 6.1 SP12 Administrator's Guide</i>.
6553259	Web Server 6.1 SP8, when run with JDK 6 shows the search collection names (checkbox) in a different order in the search pages, as compared to when it is run with older JDK versions.
6198559	JES3: Patch upgrade of web server on Linux displays false uninstall notification.
4988370	Contents do not get updated under a particular situation on HP-UX 11.0 platforms.
6413819	<p>The HP-UX operating system has two cache spaces, <code>Page Cache</code> and <code>Buffer Cache</code>, for accessing files. Normally, when the application performs the <code>mmap</code> function, the file is mapped to <code>Page Cache</code>.</p> <p>However, currently the operating system has no responsibility to synchronize the data between the <code>Page Cache</code> and <code>Buffer Cache</code> if the <code>mmap</code> is performed as <code>PRIVATE</code> option. Even if you copy the file, the operating system refreshes the cached data only in the <code>Buffer Cache</code>.</p> <p>Workaround: Use a text 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 AS 3.0 update 1-<code>uname -r: 2.4.21-9.ELsmp</code>.</p>
5060906	<p>Authorization dialog appears for an unprotected directory without an index file.</p> <p>Additional information: 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 is 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 change as follows:</p> <pre>allow (read, execute, info, list) user = "anyone"</pre>
6590899	<p>Web server fails to startup with JDK 1.5 initialization.</p> <p>Workaround</p> <p>Set the following in the start script:</p> <pre>LDR_CNTRL=MAXDATA=0xB0000000@DSA; export LDR_CNTRL</pre>

2.2 Oracle iPlanet Web Server 6.1 Administration Issues

Table 2–2 lists the known issues in Administration.

Table 2–2 Known Issues in Administration

Issue ID	Description
6922055	<p>6.1 SP12 and later — Admin GUI unable to uncheck Enabled in search</p> <p>When using JDK 1.6 with Web Server 6.1 SP12 and later, you cannot disable the Enabled option in the Virtual Server Search tab. It remains enabled even after you uncheck it, click OK to save changes and are notified that the configuration was updated successfully.</p> <p>Workaround: Instead of disabling search using the Admin GUI, edit the instance/config/server.xml file, modifying enabled="true" to enabled="false" for the search web-app.</p>
6543821 6531819	<p>If you remove a listen socket or change its port number and restart or reconfigure the server, the server fails to close the old listen socket. The operating system continues to accept connections on that port, but the server will not respond to requests on that port.</p> <p>Work around: Close the old listen socket, stop the server and restart it.</p>
6301761	<p>ACL applet might fail to load with Mozilla 1.4 and Firefox 1.0.6.</p>
6021151	<p>Problem using HttpServerAdmin to create a JNDI resource containing an LDAP domain name containing commas.</p> <p>Workaround: For HttpServerAdmin to escape the ',' in the property, use '\\' as the escape character. Use '\\' on the Windows platforms.</p> <p>In the property java.naming.provider.url=ldap://localhost:389/ou=loggingQueues,ou=tms,ou=services,ou=abc the ',' are escaped as shown here:</p> <pre data-bbox="565 968 1442 1045">-property java.naming.provider.url=ldap://localhost:389/ou=loggingQueues\\,ou=tms\\,ou=services\\,ou=abc</pre>
5035129	<p>Unable to manage Directory Server user/group/ou using Web Server 6.1 SP2 Administration on RedHat Linux Advance Server 3.0.</p>
4650456	<p>View Access and View Error does not work properly with multibyte characters.</p>
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>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 an SSL-enabled directory server.</p>

Table 2–2 (Cont.) Known Issues in Administration

Issue ID	Description
4841310	<p data-bbox="488 260 1182 285">Can't get REMOTE_USER variable when authenticated by .htaccess.</p> <p data-bbox="488 302 1365 485">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="488 501 1300 657">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="488 674 1365 751">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="488 768 1349 894">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="488 1035 1365 1087">The Add Server page in the Administration GUI disappears in Netscape Navigator 7.0 when insufficient information is provided.</p> <p data-bbox="488 1104 1333 1205">Workaround: Provide 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 Navigator 7.0.</p>
4910309	<p data-bbox="488 1226 1122 1251">The word `null' is incorrectly displayed on an alert message.</p> <p data-bbox="488 1268 1365 1314">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="488 1335 1333 1388">Superusers cannot access the Administration interface after enabling distributed administration.</p> <p data-bbox="488 1404 1317 1457">Workaround: After enabling distributed administration, create a user in LDAP with the same administration user name and password as that of superuser.</p>
4908694	<p data-bbox="488 1478 992 1503">Default link not working for Logging Settings.</p> <p data-bbox="488 1520 1349 1566">The default link on the Logging Settings for Virtual Server page does not set the default path, but rather acts as a reset button.</p>
4911552	.shtml files are parsed even if you configure them to be un-parsed.
No ID	<p data-bbox="488 1633 1292 1686">The sun-web.xml file bundled with the web server points to the wrong DTD location.</p> <p data-bbox="488 1703 1268 1755">Correction: The correct location is http://www.sun.com/software/dtd/appserver/sun-web-app_2_3-1.dtd.</p>
6284698	<p data-bbox="488 1776 1138 1801">Web server is not operational when installed as non-root user.</p> <p data-bbox="488 1818 1365 1862">Workaround: Start the web server instance from the command line instead of using the Web Administration console.</p>

Table 2–2 (Cont.) Known Issues in Administration

Issue ID	Description
6078104	<p>JSP applications are not accessible from Web Server 6.1 when the passthrough plug-in is configured.</p> <p>Workaround: Change the line from the service directive of passthrough from</p> <pre>Service type="magnus-internal/passthrough" fn="service-passthrough" servers="http://server:port" to Service fn="service-passthrough" servers="http://server:port"</pre>
4991278	No Administration GUI feature is available to delete JSP ClassCache files.
6316265	The Administration GUI says Click Apply for the changes to take affect but no Apply button exists in the Administration Server.
6708852	<p>ACL did not update USERDB in server.xml , then [NSACL6000] HTTP5239 errors when access page</p> <p>When you use a non-default authdb for ACL, ensure that the authdb detail has been added to server.xml. Else, the server will throw an error later when you access the page protected by ACL as :</p> <pre>[NSACL6000] HTTP5239: digestrealm is not a registered database</pre> <p>Workaround:</p> <p>The error is because, theserver.xml still has USERDB as "default" and cannot find the "digest1" for ACL as shown below:</p> <pre><VSCLASS id="vsclass1" objectfile="obj.conf"> <VS id="https-testdigest" connections="1s1" mime="mime1" aclids="acl1" urlhosts="apple"> <PROPERTY name="docroot" value="/export/home/iws6.1sp9/docs"/> <USERDB id="default"/></pre> <p>Add manually the below information into server.xml, after default USERDB declaration under the required virtual server, and restart the server.</p> <pre><USERDB id="digestrealm" database="digestrealm"/></pre> <p>You also need to ensure that authdb has been rightly mentioned in the dbswitch.conf and ACL file.</p> <p>In dbswitch.conf file:</p> <pre>apple:/export/home/iws6.1sp9> cat userdb/dbswitch.conf directory digestrealm file digestrealm:syntax digest digestrealm:digestfile /export/home/iws6.1sp9/digestrealm</pre> <p>In ACL file:</p> <pre>acl "default"; authenticate (user,group) { database = "digestrealm"; method = "digest"; prompt = "digestrealm"; }; deny (all) (user = "anyone"); allow (read,execute,list,info) (user = "all");</pre>

2.3 Oracle iPlanet Web Server 6.1 Core Issues

Table 2–3 lists the known issues in Core.

Table 2–3 Known Issues in Core

Issue ID	Description
6363944	<p>webservd 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>
6641109	<p>Web server crashing configured with an NFS-mounted docroot directory</p> <p>Web server crashes if NFS file is removed or replaced, while using NFS and <code>MediumFileSizeLimit > 0</code>. Therefore, you should not use <code>MediumFileSizeLimit > 0</code>, if the document root is mounted over NFS.</p> <p>Workaround</p> <p>When Web server documents are residing on an NFS mount, as in NFS client, set <code>MediumFileSizeLimit</code> to 0 in <code>nsfc.conf</code>.</p>
6766108	<p>The index file is displayed from the web server config directory.</p> <p>When Directory Indexing is set to 'None', web server throws a 500 error instead of a 404 error. The index file is also displayed from the config directory, exposing critical information.</p> <p>Workaround</p> <p>The below modification to the <code>obj.conf</code> file rectifies the response; returning a 404 error without displaying the index file.</p> <pre><Client type="magnus-internal/directory"> ObjectType fn="set-variable" error="403" noaction="true" </Client> Service method="{GET HEAD}" type="magnus-internal/directory" fn="send-error" path="/tmp/index.html" Service method="{GET HEAD POST}" type="*~magnus-internal/*" fn="send-file" Service method="TRACE" fn="service-trace"</pre>

2.4 Oracle iPlanet Web Server 6.1 Documentation Issues

Table 2–4 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 [Appendix B.22, "Issues Resolved in 6.1 Documentation."](#)

Table 2–4 Known Issues in Documentation

Issue ID	Description
6506960	<p>Online Help indicates that the maximum characters for an authentication password is eight characters.</p> <p>Additional Information: The authentication characters for an authentication password can be more that eight characters.</p>

Table 2–4 (Cont.) Known Issues in Documentation

Issue ID	Description
4964908	No documentation available regarding feature upgrades. Additional Information: See Section 1.7, "Installation, Upgrade, and Migration Notes."
4928287	Need to doc the non-existence of <instance>/lib All documents do not inform 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.
6237303	<i>Release Notes for SUN ONE Web Server 6.1</i> does not list all patches that are required for the Solaris SPARC platform. Additional Information: 109326-09 is a required patch for Web Server 6.1 on Solaris release 8.

2.5 Oracle iPlanet Web Server 6.1 Installation Issues

[Table 2–5](#) lists the known issues in Installation.

Table 2–5 Known Issues in Installation

Issue ID	Description
6590899	AIX Web server fails to start with JDK 1.5. Workaround Set the following in the start script. <code>LDR_CNTRL=MAXDATA=0xB0000000@DSA; export LDR_CNTRL</code>
5020317	JDK only upgrade results in disabling search. The user receives an exception, and the search page is not accessible from the GUI. Workaround: This exception does not happen if Web Server 6.1 SP2 core is 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.
4855263	Web Server will not start if it is installed into a directory with spaces in the name, for instance, <i>Program Files</i> . You will not receive an error message about this during installation, but following installation the server will not start. Workaround: Do not install the web server into a directory with spaces in the name.
4869238	On the Windows platform, the Web Server installer does not accept a long name as <i>server-root</i> . Workaround: Specify a path name for the Web Server installation directory that is no longer than 128 characters even though the field allows you to type up to 256 characters.
4901205	On the Solaris platform, Control-B does not work on screens that follow the Fully Qualified Domain Name screen in the installer, starting with the User and Group Name screen. Workaround: If you need to return to previous screens during the installation, quit the installer and start again.
4937915	On the AIX platform, Control-C makes the terminal screen hang during installation. This problem occurs on the screen used to specify the name of the computer on which the web server will be installed.

Table 2–5 (Cont.) Known Issues in Installation

Issue ID	Description
4960048	Some SNMP related files are overwritten when upgrading to Web Server 6.1 SP1. Workaround: Back up the following files before the upgrade: server-root/plugins/snmp/magt/CONFIG server-root/plugins/snmp/sagt/CONFIG

2.6 Oracle iPlanet Web Server 6.1 Localization Issues

Table 2–6 lists the known issues in the localization.

Table 2–6 Known Issues in the Localization

Issue ID	Description
4937055	The Administration online help of web server is not localized. The Administration online help has been localized only up to the first level. The initial help pages are localized but clicking the links on a page, for example, Removing a Server displays help content in the English language.
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 the English language. Workaround: Set the browser's prefer locale to zh to view the online help in the Chinese language.
6583870	Web server 6.1 SP8: In Internet Explorer 7, you can select the locale as ja or ja-JP. If you select the locale as ja, online help is displayed in Japanese. But when you select the locale as ja-JP, online help is displayed in the English language.

2.7 Oracle iPlanet Web Server 6.1 Upgrade and Migration Issues

Table 2–7 lists the known issues in Upgrade and Migration.

Table 2-7 Known Issues in Upgrade and Migration

Issue ID	Description
6932016	<p>Verisign EV certificate chain issue with new built-in CA root.</p> <p>If you are using Verisign EV 2048-bit SSL web server certificates, some older browsers might give a Certificate Authority Not Trusted warning after you upgrade from an earlier version of Web Server 6.1 to Web Server 6.1 SP12 or later.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Stop Web Server. 2. Change to the <code>alias</code> subdirectory of the installation root directory. <pre>cd install_dir/alias</pre> 3. List the Root Certs module. <pre>modutil -list -nocertdb -dbdir .</pre> 4. Delete the Root Certs module. <pre>modutil -dbdir . -delete 'Root Certs'</pre> 5. Confirm that the Root Certs module is deleted. <pre>modutil -list -nocertdb -dbdir .</pre> 6. Start Web Server. <p>Note: All instances of Web Server 6.1 share the same single <code>secmod.db</code> file in the <code><install home>/alias</code> directory. Therefore any change to the <code>secmod.db</code> file in one instance, affects all the other instances. For example, if instance one has implemented the above mentioned workaround, a new instance two initializes a new security database, and the above workaround of instance one is removed. Hence the above workaround has to be applied again.</p>
6514480	<p>Cannot enable Java on a migrated 4.1 instance even after opting to enable JAVA at the time of migration and enabling from the GUI after migration.</p> <p>Workaround: Manually add the following entries to the <code>obj.conf</code> file and restart the instance:</p> <pre><Object name="default"> NameTrans fn="ntrans-j2ee" name="j2ee" NameTrans PathCheck ObjectType Service Error fn="error-j2ee" AddLog </Object> <Object </Object> <Object name="j2ee"> Service fn="service-j2ee" method="*" </Object></pre>

Table 2–7 (Cont.) Known Issues in Upgrade and Migration

Issue ID	Description
4790457	<p>Cannot change the document root of a 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 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 application file status ignored during migration from 6.0 to 6.1</p> <p>Web application status defined at the file level in the <code>server.xml</code> file is not migrated. If a user has switched off the status of the web applications file to suppress them, upon migration these web applications are exposed.</p> <p>Workaround: Edit the <code>server.xml</code> file of the migrated instance and turn off status for each web application.</p>
4988156	<p>Installation of SP_2 patch on existing install (update)</p> <p>If you want to upgrade the Web Server 6.1 that is installed as a part of Sun Java Enterprise System (JES), to the latest Service Pack, download and apply the relevant patches. For more details, refer to the <i>JES 3 Migration and Upgrade Guide</i>.</p>
14301929	<p>On HP, upgradation from 6.1 SP12, 6.1 SP13 or 6.1 SP14 to 6.1 SP17 fails displaying the following error message:</p> <pre>Extracting Server Core... Error: Disk full</pre> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Go to <code><install root>/plugins/include/nspr</code> path. 2. When you run the <code>ls -l</code> command you can see that there are few files that have non-existing symbolic links. 3. Remove these files using the <code>rm <file names></code> command. 4. Run 6.1 SP17 installer to upgrade this instance.

2.8 Oracle iPlanet Web Server 6.1 Samples Issues

Table 2–8 lists the known issues in the sample applications. Note that none of these issues prevent the sample applications from functioning correctly.

Table 2–8 Known Issues in Samples

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

2.9 Oracle iPlanet Web Server 6.1 Search Issues

Table 2–9 lists the known issues in Search.

Table 2–9 Known Issues in Search

Issue ID	Description
4977315	AIX-Search Engine of 6.1 should have the ability to change the sort order.
5038203	Workaround: To change the default order, add '+' as a first character of the sort string. Because '+' in URI is escaped, use '%2B' to change the order. In this case, change the URL to <code>http://host/search/index.jsp?si=1&ns=10&c=test&qt;=*&sb;=%2Bwriter.</code>
4684124	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. Workaround: Rebuild the entire collection by performing one of the following actions: <ul style="list-style-type: none"> ■ Remove all documents and add them back again. ■ Delete the collection and create it again.
4911725	Search does not work when you search for a word using a different case pattern. Search results are not displayed on the the search page if you search using a word of mixed case. For example, typing sAmPlE instead of sample or SAMPLE.
4963236	On HP-UX: PDF files are not converted to HTML for inclusion in search collections. This problem occurs if the following patch is installed on the HP-UX 11i system: PHSS_28871 - ld/linker cumulative patch
6701532	Search engine fails to index password protected PDF document If a PDF document is password protected and encrypted, the search engine fails to index the document's metadata. As a result, the requested search fails.

Table 2–9 (Cont.) Known Issues in Search

Issue ID	Description
6731491	<p>Web Server 6.1 SP10 64-bit solaris sparc, few search tests fails when JDK 1.6.0_07 used.</p> <p>While running search tests, a few test cases fail with stack overflow error when JDK 1.6.0_07 is used. Whereas, the same test passes with bundled JDK 1.5.0_16.</p> <p>Workaround: Increase the StackSize value from 131072 to a value, for example, 262144 in the magnus.conf file.</p>
14512883	<p>Search functionality does not support Acrobat PDF 9.0.</p> <p>When adding PDF files to a collection, a PDF file created in Adobe Acrobat 9.0 does not get parsed and indexed through the search engine.</p>

2.10 Oracle iPlanet Web Server 6.1 Security Issues

Table 2–10 lists the known issues in Security.

Table 2–10 Known Issues in Security

Issue ID	Description
4671445	<p>Web Server cannot connect to an LDAP server over SSL if LDAP client authentication is required.</p> <p>If 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, 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>
4963468	<p>In some circumstances, the "list" right has no effect on directory listing.</p> <p>According to "Controlling Access to Your Server" in <i>Sun Java System Web Server 6.1 SP12 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 you can obtain a directory listing even if the applicable ACLs deny the list right.</p> <p>If you need to restrict directory indexing, disable indexing, as discussed in "Content Management" in <i>Sun Java System Web Server 6.1 SP12 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 problem only occurs when web server is installed as part of the JES3/JES4 install. The problem does not exist in stand-alone (file-based) installation.</p> <p>Workaround:</p> <ol style="list-style-type: none"> Copy the library <code>libldap50.so</code> from the file-based installation 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.

2.11 Oracle iPlanet Web Server 6.1 Tools Issues

Table 2–11 lists the known issues in Tools.

Table 2–11 Known Issues in Tools

Issue ID	Description
4905696	On Windows, deployment fails if the class file depth along with the file name exceeds 255 characters.
4912181	On Linux, a null pointer exception is thrown when deploying an application using the <code>wdeploy</code> command-line utility. This problem happens at the end of deployment, and only if it succeeds. Workaround: The error occurs when <code>wdeploy</code> reads the <code>stdout/stderr</code> after executing <code>reconfigure</code> script following deployment. Check whether the server did 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.

2.12 Oracle iPlanet Web Server 6.1 Web Container Issues

Table 2–12 lists the known issues in the Web Container.

Table 2–12 Known Issues in the Web Container

Issue ID	Description
6387189	Java logging issues in a deployed module.
4903162	Issue on Windows related to the case of <code>url-patterns</code> . As per the Servlet specification, the <code>url-pattern</code> elements in <code>web.xml</code> are case sensitive. This condition might lead to unexpected behavior for Windows users, for example, if a client makes a request for <code>index.HTML</code> expecting this string to match <code>index.html</code> .

2.13 Oracle iPlanet Web Server 6.1 WebDAV Issues

Table 2–13 lists the known issues in WebDAV.

Table 2–13 Known Issues in WebDAV

Issue ID	Description
4892017	Unable to rename or move a resource if the parent directory is locked exclusively. This problem 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 <code>owner 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 Web Server.

Product Documentation

Oracle iPlanet Web Server 6.1 SP12 is the last release at which the entire documentation set for Oracle iPlanet Web Server 6.1 was updated. Subsequent to the 6.1 SP12 release, updates and corrections to 6.1 documentation are provided in this *Release Notes* document; see [Section 3.1, "Corrections and Updates to 6.1 SP12 Manuals."](#)

The Oracle iPlanet Web Server 6.1 SP12 documentation is available online in PDF and HTML formats at:

<http://download.oracle.com/docs/cd/E19857-01/index.html>.

Table 3–1 Oracle iPlanet Web Server 6.1 Documentation Roadmap

For Information About	See
Late-breaking information about the software and documentation	<i>Oracle iPlanet Web Server Release 6.1 SP19 Release Notes</i> (this document)
Information about Web Server 6.1 FastCGI plug-in, including information about server application functions (SAFs), installation, configuration, technical notes, and pointers to additional resources.	<i>FastCGI Plug-in Release Notes</i>
Information about Web Server 6.1 Reverse Proxy plug-in, including information about server application functions (SAFs), installation, configuration, technical notes, and pointers to additional resources.	<i>Reverse Proxy Plug-in Release Notes</i>
Getting started with Web Server, including hands-on exercises that introduce server basics and features (recommended for first-time users)	<i>Getting Started Guide</i>

Table 3–1 (Cont.) Oracle iPlanet Web Server 6.1 Documentation Roadmap

For Information About	See
Performing installation and migration tasks: <ul style="list-style-type: none">■ Installing Web Server and its various components, supported platforms, and environments■ Migrating from Sun ONE Web Server 4.1 or 6.0 to Web Server 6.1	<i>Installation and Migration Guide</i> Note: Java ES patches for Oracle iPlanet Web Server 6.1 were provided up to release 6.1.12. The information in this section is applicable only to release 6.1.12 and earlier releases. If Sun Java Enterprise System 1 is installed on your system and you want to upgrade the Oracle iPlanet Web Server 6.1 that is part of Sun Java Enterprise System 1 to Oracle iPlanet Web Server Release 6.1 SP19, you must use the Java Enterprise System (JES) installer to perform the upgrade. Do not use the separate component installer included with Oracle iPlanet Web Server Release 6.1 SP19.
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, Standard Edition (J2SE 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>
Using programming technologies and APIs to do the following: <ul style="list-style-type: none">■ Extend and modify 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) plugins	<i>NSAPI Programmer's Guide</i>
Implementing servlets and JavaServer Pages (JSP) technology in Web Server	<i>Programmer's Guide to Web Applications</i>

Table 3–1 (Cont.) Oracle iPlanet Web Server 6.1 Documentation Roadmap

For Information About	See
Editing configuration files	<i>Administrator's Configuration File Reference</i>
Tuning Web Server to optimize performance	<i>Performance Tuning, Sizing, and Scaling Guide</i>

3.1 Corrections and Updates to 6.1 SP12 Manuals

The following sections describe corrections and updates to Oracle iPlanet Web Server 6.1 SP12 manuals:

- [New Information About Case Sensitivity of HTTP Header Names](#)
- [Extraneous Information in Setting Access Rights](#)
- [Incorrect Information About `net_read\(\)` Return Value](#)
- [Incorrect Information About PathCheck Flow Control](#)
- [Incorrect Instructions for Stopping `schedulerd` Control Daemon](#)
- [Upgrade Fails in HP_UX When Upgraded From Oracle Web Server SP12/ SP14 to Web Server SP17](#)
- [Incorrect Information on HTTP/1.1 Compliance](#)
- [New Example to Understand the IP Attribute](#)
- ["Incorrect Information About the Default Value"](#)
- ["Set-cookie Header Appended with the `HttpOnly` Option"](#)
- ["Supported Directory Servers"](#)
- ["Description of Processes for a Web Server Instance"](#)
- ["TLS Communication through Certain Load Balancers Breaks in 6.1 SP15 and Later Releases \(6.1 SP17 and later Releases on HP-UX\)"](#)

3.1.1 New Information About Case Sensitivity of HTTP Header Names

Section 4.2 of the HTTP/1.1 standard (<http://www.ietf.org/rfc/rfc2616.txt>) states that HTTP header names are case-insensitive. When processing header names, Web Server 6.1 converts the names to all-lowercase.

3.1.2 Extraneous Information in Setting Access Rights

The section *Setting Access Rights* in the *Sun Java System Web Server 6.1 SP12 Administrator's Guide* contains the following inaccurate note. **Please ignore this note.**

Note: Although the following methods are present in the code, they are not included in the document above: `revlog`, `getattribute`, `getattributename`, `getproperties`, `startrev`, `stoprev`, `edit`, `unedit`, `save`, `setattribute`, `revadd`, `revlabel` and `destroy`.

3.1.3 Incorrect Information About `net_read()` Return Value

The section `net_read` in the *Sun Java System Web Server 6.1 SP12 NSAPI Programmer's Guide* contains incorrect information about the return value for the `net_read()` function. The correct information is:

Returns

The number of bytes read, which will not exceed the maximum size, `sz`. A negative value is returned if an error has occurred, in which case `errno` is set to the constant `ETIMEDOUT` if the operation did not complete before `timeout` seconds elapsed.

The number of bytes read, which will not exceed the maximum size, `sz`. A negative value is returned if an error has occurred, in which case `errno` is set to one of the following constants:

- `ETIMEDOUT` if the read operation did not complete before `timeout` seconds elapsed.
- `EAGAIN` if non-blocking I/O is enabled on the socket descriptor and the socket was temporarily unavailable.
- `EWOULDBLOCK` if non-blocking I/O is enabled on the socket descriptor and the read operation would have blocked.

3.1.4 Incorrect Information About PathCheck Flow Control

The section "PathCheck" in the *Sun Java System Web Server 6.1 SP12 NSAPI Programmer's Guide* contains incorrect information.

Incorrect:

If the `NameTrans` directive assigned a name or generated a physical path name that matches the name or `ppath` attribute of another object, the server first applies the `PathCheck` directives in the matching object before applying the directives in the default object.

Correct:

If the `NameTrans` directive assigned a name or generated a physical path name that matches the name or `ppath` attribute of another object, the server first applies the `PathCheck` directives in the default object before applying the directives in the matching object.

3.1.5 Incorrect Instructions for Stopping `schedulerd` Control Daemon

The section "Using `Schedulerd` Control-based Log Rotation (UNIX/Linux)" in the *Sun Java System Web Server 6.1 SP12 Administrator's Guide* contains incorrect information about stopping the `schedulerd` control daemon

Incorrect:

```
export PID_FILE=/opt/SUNWwbsvr/https-admserv/logs/scheduler.pid
kill -9 -`cat $PID_FILE`
    - rm $PID_FILE
```

Correct:

```
export PID_FILE=/opt/SUNWwbsvr/https-admserv/logs/scheduler.pid
kill -9 `cat $PID_FILE`
    rm $PID_FILE
```

3.1.6 Upgrade Fails in HP_UX When Upgraded From Oracle Web Server SP12/ SP14 to Web Server SP17

Upgrade from Oracle Web Server SP12 or SP 14 to Web Server SP17 fails in HP_UX operating system.

Workaround:

1. Go to <install root>/plugins/include/nspr path.
2. Run the `ls -l` command and find all the files that have non-existing symbolic links.
3. Remove the files that have non-existing symbolic links using the command `rm <file names>`.
4. Run the Web server SP17 installer to upgrade the instance.

Note: This upgrade issue exists only in the HP_UX operating system.

3.1.7 Incorrect Information on HTTP/1.1 Compliance

The section "About Hypertext Transfer Protocol (HTTP)" in *Sun ONE Web Server 6.1 Administrator's Guide* lists outdated RFC number.

Incorrect:

The iPlanet Web Server 4.x supports HTTP 1.1. Previous versions of the server supported HTTP 1.0. The server is conditionally compliant with the HTTP 1.1 proposed standard, as approved by the Internet Engineering Steering Group (IESG) and the Internet Engineering Task Force (IETF) HTTP working group. For more information on the criteria for being conditionally compliant, see the Hypertext Transfer Protocol—HTTP/1.1 specification (RFC 2068).

Correct:

The iPlanet Web Server 6.1 supports HTTP 1.1. Previous versions of the server supported HTTP 1.0. The server is conditionally compliant with the HTTP 1.1 proposed standard, as approved by the Internet Engineering Steering Group (IESG) and the Internet Engineering Task Force (IETF) HTTP working group. For more information on the criteria for being conditionally compliant, see the Hypertext Transfer Protocol—HTTP/1.1 specification (RFC 2616).

The section "Compliance" in *Sun Java System Web Server 6.1 SP12 NSAPI Programmer's Guide* lists outdated RFC number and incorrect link.

Incorrect:

For more information on the criteria for being conditionally compliant, see the Hypertext Transfer Protocol -- HTTP/1.1 specification (RFC 2068) at:

<http://www.ietf.org/rfc/rfc2068.txt?number=2068>

Correct:

For more information on the criteria for being conditionally compliant, see the Hypertext Transfer Protocol -- HTTP/1.1 specification (RFC 2616) at:

<http://www.ietf.org/rfc/rfc2616.txt>

3.1.8 New Example to Understand the IP Attribute

The following is an example to understand the IP attribute mentioned in the section "ACL File Syntax" in *Oracle iPlanet Web Server 7.0.9 Administrator's Configuration File Reference*:

```
deny (all) ip = "*";  
allow (read, execute, info) (ip="10.186.81.*") or (ip="10.159.184.187");
```

If there is no wildcard, do the following:

```
deny (all) ip = "*";  
allow (read, execute, info) (ip="10.186.81.155,10.159.184.187");
```

3.1.9 Incorrect Information About the Default Value

The section "AcceptTimeout" in *Sun Java System Web Server 6.1 SP7 Administrator's Configuration File Reference* contains incorrect information about the default value.

Incorrect:

30 seconds for servers that don't use hardware encryption devices and 300 seconds for those that do.

Correct:

The default value of the `AcceptTimeout` parameter is always 30 seconds.

3.1.10 Set-cookie Header Appended with the HttpOnly Option

A new property named `httponlysessioncookie` has been added to JAVA element of the `server.xml` configuration file. By default, this property is true and `;HttpOnly` is appended to the set-cookie header. When the value is set to false, `;HttpOnly` is not appended. You can set this property by changing the `server.xml` configuration file.

Starting from Oracle iPlanet Web Server 6.1.18, the set-cookie header value is being appended by `;HttpOnly` due to security reasons. If you do not wish to append `;HttpOnly` to the set-cookie header, do the following :

Set the `httponlysessioncookie` property of the JAVA element in `server.xml` configuration file to false.

3.1.11 Supported Directory Servers

The following versions of LDAP directory servers are supported:

- Oracle Directory Server Enterprise Edition 11gR1 (11.1.1.3+)
- Oracle Virtual Directory 11gR1 (11.1.1.3+)
- Oracle Internet Directory 11gR1 (11.1.1.3+)

3.1.12 Description of Processes for a Web Server Instance

For Unix, the invocation of a web server instance brings up a single watchdog process, which brings up a primordial process, which in turn launches a worker process. The watchdog process is named `webservd-wdog`, whereas both the primordial process and the worker are named `webservd`. The worker process waits for HTTP requests and processes them to generate HTTP responses. The other two processes together provide limited High Availability functionality. If the worker process crashes or goes down, then the primordial process brings up another instance of the worker process. If the

primordial process goes down, then the watchdog process must bring up another instance of it.

For Windows, the primordial process is not used.

3.1.13 TLS Communication through Certain Load Balancers Breaks in 6.1 SP15 and Later Releases (6.1 SP17 and later Releases on HP-UX)

When you use certain load balancers, such as F5 Networks' BIG-IP, to distribute client requests to iPlanet Web Server 6.1 SP15 and later releases (6.1 SP17 and later Releases in HP-UX), TLS communication using CBC ciphers (such as `TLS_RSA_WITH_AES_256_CBC_SHA` and `TLS_RSA_WITH_3DES_EDE_CBC_SHA`) breaks. BIG-IP and, possibly, other load balancers are unable to forward responses from the Oracle iPlanet Web Server instances to the clients.

The NSS version included in Oracle iPlanet Web Server release 6.1 SP15 (and later) implements split data packets. BIG-IP and some other load balancers might not be able to handle split data packets.

Workaround

Caution: This workaround removes the fix introduced in release 6.1 SP15 (6.1 SP17 in HP-UX) for the CVE-2011-3389 security vulnerability.

1. Stop the server.
2. In the `startserv` script, set the environment variable `NSS_SSL_CBC_RANDOM_IV` to 0.

The `startserv` script is located in the `instance_dir/bin` directory. On Windows, for example, add the following line in the `startserv` script:

```
set NSS_SSL_CBC_RANDOM_IV=0
```

3. Start the server.

3.2 Documentation, Support, and Training

The Oracle web site provides information about the following additional resources:

- Documentation: <http://www.oracle.com/technetwork/documentation/index.html>
- Support: <http://support.oracle.com/>
- Training: http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=315

Features and Enhancements in Previous Oracle iPlanet Web Server 6.1 Releases

The features and enhancements in Oracle iPlanet Web Server 6.1 service pack releases prior to Oracle iPlanet Web Server 6.1 SP12 are described in the individual *Release Notes* documents specific to those releases, which are available at:

<http://docs.oracle.com/cd/E19857-01/index.html>

This chapter lists the features and enhancements in Oracle iPlanet Web Server 6.1 SP12 and later releases. It contains the following sections:

- [Section A.1, "Features and Enhancements in 6.1 SP20"](#)
- [Section A.2, "Features and Enhancements in 6.1 SP19"](#)
- [Section A.3, "Features and Enhancements in 6.1 SP18"](#)
- [Section A.4, "Features and Enhancements in 6.1 SP17"](#)
- [Section A.5, "Features and Enhancements in 6.1 SP16"](#)
- [Section A.6, "Features and Enhancements in 6.1 SP15"](#)
- [Section A.7, "Features and Enhancements in 6.1 SP14"](#)
- [Section A.8, "Features and Enhancements in 6.1 SP13"](#)
- [Section A.9, "Features and Enhancements in 6.1 SP12"](#)

A.1 Features and Enhancements in 6.1 SP20

Oracle iPlanet Web Server 6.1 SP20 supports Network Security Services (NSS) 3.17.2.

A.2 Features and Enhancements in 6.1 SP19

There are no new features and enhancements in Oracle iPlanet Web Server 6.1 SP19. This release addresses security issues.

A.3 Features and Enhancements in 6.1 SP18

Oracle iPlanet Web Server 6.1 SP18 supports Network Security Services (NSS) 3.14.3.

A.4 Features and Enhancements in 6.1 SP17

There are no new features and enhancements in Oracle iPlanet Web Server 6.1 SP17. This release addresses security issues.

A.5 Features and Enhancements in 6.1 SP16

This section lists features and enhancements provided in Oracle iPlanet Web Server 6.1 SP16.

- This release addresses the Java hash-table collision security vulnerability, CVE-2011-5035.
- A new attribute, `maxparametercount`, has been added to the `JAVA` element of the `server.xml` configuration file. You can use the `maxparametercount` attribute to specify a limit for the number of parameters allowed for a JSP or a servlet request. This helps in protecting the server against a denial of service that can be caused by requests containing specially crafted parameters sent by remote attackers.
- If the number of parameters in a request exceeds the configured `maxparametercount`, the additional parameters are ignored. You can specify any positive integer as the value of `maxparametercount`. The default value is 10000.

A.6 Features and Enhancements in 6.1 SP15

This section lists features and enhancements provided in Oracle iPlanet Web Server 6.1 SP15.

- A new property, `maxrequestspereconnection`, is introduced in this release. You can use this property to resolve the CVE-2011-3389 security vulnerability, by lowering the number of requests on a keep-alive connection .

You can set `maxrequestspereconnection` as shown in the following example:

```
<LS id="ls1" port="1892" servername="pegasus.example.com"
maxrequestspereconnection="9" defaultvs="https-test" />
```

- Oracle iPlanet Web Server 6.1 SP15 supports Network Security Services (NSS) 3.13.1.0.

A.7 Features and Enhancements in 6.1 SP14

This section lists features and enhancements provided in Oracle iPlanet Web Server 6.1 SP14.

A.7.1 JDK Updated to 1.6.0_24

In Oracle iPlanet Web Server 6.1 SP14, the JDK 6 version that is packaged with the product has been changed to JDK 6 update 24. This change has been made to address security vulnerability CVE-2010-4476 (*Java Runtime Environment hangs when converting "2.2250738585072012e-308" to a binary floating-point number*).

For more information about security vulnerability CVE-2010-4476, see the Oracle Security Alert at:

<http://www.oracle.com/technetwork/topics/security/alert-cve-2010-4476-305811.html>

A.7.2 NSS Updated to 3.12.8

Oracle iPlanet Web Server 6.1 SP14 is integrated with NSS version 3.12.8.

For information about changes in this version, see the NSS 3.12.8 release notes at:

https://developer.mozilla.org/en/NSS_3.12.8_release_notes

A.8 Features and Enhancements in 6.1 SP13

This section lists features and enhancements provided in Oracle iPlanet Web Server 6.1 SP13.

- [Updated NSS and NSPR Versions, Resolving SSL/TLS Vulnerability](#)
- [HTTP Response-Splitting and XSS Vulnerability Resolved](#)
- [Updated Version of JDK](#)
- [Support for 2048-Bit Key Size in CSR](#)
- [Default Cryptographic Module Set to "Internal" in CSR](#)
- [Verisign Certificate Options Removed from Admin GUI](#)
- [Documentation Corrections and Updates](#)

A.8.1 Updated NSS and NSPR Versions, Resolving SSL/TLS Vulnerability

Web Server 6.1 SP12 included NSS 3.12.5, which provided relief, but not resolution, for the SSL/TLS renegotiation vulnerability <http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2009-3555>. Additionally, Web Server 6.1 SP12 disabled all use of SSL/TLS renegotiation in order to protect Web Server from attack. If either the client or Web Server attempted to trigger renegotiation on an existing SSL/TLS session, the connection would fail.

Web Server 6.1 SP13 includes NSS 3.12.7, which provides safe SSL/TLS renegotiation and so provides resolution of CVE-2009-3555. As a result, Web Server 6.1 SP13 re-enables use of SSL/TLS renegotiation. For more information about Web Server 6.1 SP13 support for NSS and NSPR, see [Section 1.5.13, "NSS and NSPR Support."](#)

A.8.2 HTTP Response-Splitting and XSS Vulnerability Resolved

As reported in issue 6957507, an HTTP response-splitting and XSS vulnerability was discovered in previous Web Server 6.1 versions. Web Server 6.1 SP13 corrects this vulnerability.

A.8.3 Updated Version of JDK

Web Server 6.1 SP13 includes JDK 1.6.0_21.

A.8.4 Support for 2048-Bit Key Size in CSR

In response to issue 6951364, the Web Server 6.1 SP13 Admin GUI supports specifying a 2048-bit key size when generating a CSR (Certificate Signing Request) when using Security ⇒Request a Certificate.

A.8.5 Default Cryptographic Module Set to "Internal" in CSR

In response to issue 6922063, Web Server 6.1 SP13 sets the default value of Cryptographic Module in the Admin GUI Security ⇒Request a Certificate to "internal". Additionally, the "NSS Generic Crypto Services" option has been removed.

A.8.6 Verisign Certificate Options Removed from Admin GUI

In response to issue 6972686, the "Request Verisign Certificate" and "Install Verisign Certificate" commands have been removed from the Security tab of the Admin GUI.

A.8.7 Documentation Corrections and Updates

Section 3.1, "Corrections and Updates to 6.1 SP12 Manuals" has been updated to address the following documentation issues.

Issue ID	Description
6938886	Wrong information of supportable methods should be removed in the Setting Access Rights
6940796	net_read can set EAGAIN in errno when it times out.
6966631	Statement for PathCheck is not correct.
6973013	web 6.1 doc bug - need to remove the "-" in schedulerd command line stop - "- rm \$PID_FILE"
6977268	web 6.1 and 7.0 doc RFE - all request header names are returned as lowercase

A.9 Features and Enhancements in 6.1 SP12

- Web Server 6.1 SP12 includes JDK 1.6.0_17 on Solaris, Linux and Windows platforms. Web Server 6.1 SP12 still supports JDK 5 for backward compatibility.
- This release contains fixes of important bugs, including the following ones related to security vulnerabilities:
 - Bug 6916390 describes the format string vulnerabilities in the WebDAV extensions to the Web Server. These issues may allow remote clients to trigger a Web Server crash, thus resulting in a Denial of Service (DoS) condition. These issues may also allow remote unauthorized users to gain elevated privileges, enabling them to access and modify sensitive files.
 - Bug 6916391 describes the buffer overflow issues in the Digest Authentication methods in the Web Server, which may allow remote unprivileged users to crash the Web Server, thus leading to a Denial of Service (DoS) condition. These issues may also lead to execution of arbitrary code with elevated privileges.
 - Bug 6916392 describes the heap overflow issue in the HTTP TRACE functionality in the Web Server, which may allow remote unprivileged users to crash the Web Server, thus leading to a Denial of Service (DoS) condition. These issues may also be exploited to gain unauthorized access to sensitive information.

- **SSL/TLS Vulnerability Fix (CVE-2009-3555)**

Web Server 6.1 SP12 includes NSS 3.12.5 which provides relief for the SSL/TLS renegotiation vulnerability:

<http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2009-3555>

This vulnerability is a flaw in the current SSL/TLS renegotiation protocol definition. It is not a bug in the Web Server implementation. Due to this reason, there is no implementation-level fix for this vulnerability. The only workaround is to disable renegotiation entirely in order to protect the Web Server from attack.

Therefore, Web Server 6.1 SP12 disables all use of SSL/TLS renegotiation. If either the client or the Web Server attempt to trigger renegotiation on an existing SSL/TLS session, the connection will fail.

Typically renegotiation was used to obtain a client certificate sometime after the SSL/TLS connection was first established. Web applications which attempt to obtain a client certificate in this fashion will now fail.

Obtaining a client certificate during the initial connection handshake will continue to work correctly. This mode can be configured by setting the `client-auth` element to 'required' in `server.xml`:

```
<http-listener>
  <ssl>
    <client-auth>required</client-auth>
  </ssl>
</http-listener>
```


B

Issues Resolved in Previous Oracle iPlanet Web Server 6.1 Releases

This section lists the most important issues fixed in previous Oracle iPlanet Web Server 6.1 releases:

- [Issues Resolved in 6.1 SP20](#)
- [Issues Resolved in 6.1 SP19](#)
- [Issues Resolved in 6.1 SP18](#)
- [Issues Resolved in 6.1 SP17](#)
- [Issues Resolved in 6.1 SP16](#)
- [Issues Resolved in 6.1 SP15](#)
- [Issues Resolved in 6.1 SP14](#)
- [Issues Resolved in 6.1 SP13](#)
- [Issues Resolved in 6.1 SP12](#)
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- [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 Documentation](#)

B.1 Issues Resolved in 6.1 SP20

The following table lists the issues resolved in Oracle iPlanet Web Server 6.1 SP19.

Table B–1 Issues Resolved in 6.1 SP20

Issue ID	Description
19885785	The <code>get-client-cert</code> operation does not work when SSL3 is disabled.

B.2 Issues Resolved in 6.1 SP19

The following table lists the issues resolved in Oracle iPlanet Web Server 6.1 SP19.

Table B–2 Issues Resolved in 6.1 SP19

Issue ID	Description
13027334	The <code>Allow</code> header contains incorrect HTTP methods.
13478692	User cannot change the default search setting in the Admin UI.
13555465	CGI time-out error when making a request with a large header size.
13906204	Added support for blocking I/O on listening socket (even request distribution).
14704861	Upgrade of bundled JDK version.
14776422	DOC: documented the supported LDAP directory servers. See Section 3.1.11 .
16301529	DOC: added a description of the processes for a web server instance. See Section 3.1.12 .
16804491	DOC: TLS communication issue through certain load balancers. See Section 3.1.13 .
18248603	Unable to create a certificate with a generalized time format.
18768510	Request is rejected when the full request line is unavailable to the web server.

B.3 Issues Resolved in 6.1 SP18

The following table lists the issues resolved in Oracle iPlanet Web Server 6.1 SP18.

Table B–3 Issues Resolved in 6.1 SP18

Issue ID	Description
12905731	DOC: Updated information for issue Id 6932016. See Section 2–7 .
13146878	DOC: <code>set-cookie</code> header appended with the <code>HttpOnly</code> flag option. See Section 3.1.10 .
13946398	Cannot read chunked post data SSL.
14013509	Binaries are required for HP-UX for the latest 6.1 version.
14301929	DOC: Upgrade Fails in HP_UX When Upgraded From Oracle Web Server SP12/ SP14 to Web Server SP17. See Section 3.1.6 .
14310147	Request larger than 5560 bytes sent to webserver CGI fails with error.
14324512	DOC: Incorrect Information on HTTP/1.1 Compliance. See Section 3.1.7 .

Table B–3 (Cont.) Issues Resolved in 6.1 SP18

Issue ID	Description
14580197	DOC: New Example to Understand the IP Attribute. See Section 3.1.8 .
14639404	DOC: Incorrect Information About the Default Value. See Section 3.1.9 .
17021088	Integrate NSS 3.14.3 with iPlanet Web Server 6.1.18.
17232685	DOC: Removed bug 6720218 . See Section 2.2 .

B.4 Issues Resolved in 6.1 SP17

There are no new issues resolved in Oracle iPlanet Web Server 6.1 SP17. This release addresses security issues.

B.5 Issues Resolved in 6.1 SP16

The following table lists the issues resolved in Oracle iPlanet Web Server 6.1 SP16.

Table B–4 Issues Resolved in Oracle iPlanet Web Server 6.1 SP16

Issue ID	Description
13592244	Java hash table collision attack, CVE-2011-5035

B.6 Issues Resolved in 6.1 SP15

The following table lists the issues resolved in Oracle iPlanet Web Server 6.1 SP15.

Table B–5 Issues Resolved in Oracle iPlanet Web Server 6.1 SP15

Issue ID	Description
13352262	Server side fix to limit keep-alive connections to address CVE-2011-3389.
13352337	Add option to limit keep-alive requests to resolve CVE-2011-3389
13509910	Doc: Document the newly added LS property <code>maxrequestperconnection</code>

B.7 Issues Resolved in 6.1 SP14

The following table lists the issues resolved in 6.1 SP14.

Table B–6 Issues Resolved in Oracle iPlanet Web Server 6.1 SP14

Issue ID	Description
7001814	Crash at function <code>LASIpEval</code> when ACL contains IP addresses
7015519	Disk space is not reclaimed even after log rotation
7018896	Web server 6.1.14 should bundle JDK 6 update 24
7022039	Web server to integrate new security component <code>SECURITY_3.12.8_20100916</code>

B.8 Issues Resolved in 6.1 SP13

The following table lists the issues resolved in 6.1 SP13.

Table B-7 Issues Resolved in 6.1 SP13

Issue ID	Description
6911800	flexanlg is not working for users (-t u flag and associated) -- WEB SERVER 6.1 SP11.
6912766	Support new 'safe' TLS renegotiation protocol
6922063	Web 6.1SP12 Admin GUI default security Cryptographic Module should not set to NSS Generic Crypto Services
6934831	System Error: No certificate is popup when particular CAs are displayed through admin GUI
6951364	generating CSR by 2048 bit key size should be supported on Web Server 6.1 officially
6957507	Response Splitting and XSS in Sun Java System Web Server
6962682	Solaris JES#4 patch: the checkinstall script erroneously only looks at the PATCHLIST
6972686	Request Verisign Certificate functionality does not exist. Needs to be dropped from GUI.
6973109	ws6.1sp13 bundle the latest JDK 1.6.0_21
6973383	Change product deliverables from .tar.gz to "zip" format.

B.9 Issues Resolved in 6.1 SP12

The following table lists the issues resolved in Web Server 6.1 SP12.

Table B-8 Issues Resolved in Web Server 6.1 SP12

Issue ID	Description
6898371	Severe TLS/SSL protocol vulnerability will require NSS upgrade.
6916391	Digest authentication buffer overflows.
6916392	If TRACE method contains request headers names with a single character and no value (like "A:"), then buffer overflows.
6916390	Web Server crashes due WebDav format string.
6860680	Appending "::\$DATA" to the file extension discloses the contents of JSP page.
6869988	Web Server 6.1 should bundle JDK6 rather than JDK5, wherever JDK is bundled.
6774064	Web Server should use NSS 3.12.5.0.
6882816	Web Server 6.1 SP 11 Reverse Proxy Plugin retries POST requests without POST entity bodies.
6917879	TRACE request with empty header names causes malformed responses.
6387189	Java Logging issues in a deployed module
6837931	HTTP4352: zlib internal error. Return code from zlib is -5
	Incomplete bug fix of 6358858 in Web Server 6.1 shows the above error.
6214575	Web Server should not show the dialog for authentication when all access right is denied.
6372223	Web Server 6.1SP5 Point Product can not open "Release Notes" from [Start]->[Sun ONE Web Server]->[Release Notes]
6857848	When a user tries to configure the ACL with Firefox, the submit button is not displayed. As a result, user cannot configure the ACL with Firefox.

B.10 Issues Resolved in 6.1 SP11

The following table lists the issues resolved in Web Server 6.1 SP11.

Table B–9 Issues Resolved in Web Server 6.1 SP11

Issue ID	Description
6748621	Admin server's GUI index cgi file crashes, when an incorrect or nonexistent dtd file is referenced in the conf_bk/server.xml file.
4917844	Admin server should allow selection of hashing algorithm while signing CSR.
6795558	Web Server 6.1 fails to start with a particular configuration.
6754095	Reverse Proxy Plugin runs querystring Javascript POPUP when 502 Gateway error occurs, leading to a potential XSS vulnerability.
6571031	Reverse Proxy Plugin should abort processing after the client write() fails with EPIPE.
6659522	Search functionality returns unexpected results if the search string contains a hyphen.
6633181	Java Exception is observed in web error logs as SimpleDateFormat is not synchronized properly in web code.
6707244	A 'race condition' occurs in the JVM while deploying a web application that contains a logger.
6767285	reuseSessionID does not work with IWSSessionManager, but works with StandardManager.
6815821	Server throws the following error during startup. javax.naming.NamingException: WEB3886: Context is read only
6781962	The Web Server 6.1 favicon appears distorted on Internet Explorer 7.

B.11 Issues Resolved in 6.1 SP10

The following table lists the issues resolved in Web Server 6.1 SP10.

Table B–10 Issues Resolved in Web Server 6.1 SP10

Issue ID	Description
6608135	Search fails with an error, when html document has a title containing characters like A & B.
6684388	At present, Web Server 6.1 bundles JDK 1.4.2 on Solaris, Windows, and Linux platforms. Due to End of Licence (EOL) of JDK 1.4.2, the bundled JDK has to be upgraded to the latest JDK 1.5.x.
6705396	Admin security program will not work after you apply the latest patch 116648-21 for Web Server 6.1SP9, if you do not apply NSS patch 119209-17 first.
6699747	Searched string is not highlighted in the search result page, if indexed document does not have a title.
6715380	Integrate the latest NSS/NSPR version into Web Server 6.1 SP10.
6673647	The scheduler based cron log rotation of Web Server 6.1 stops on Saturday night.
6714929	SNMP is broken with default tcp_hiwat setting on Solaris 10.
6702639	When you disable .htaccess in one virtual class, the other virtual class with .htaccess will also fail.

Table B–10 (Cont.) Issues Resolved in Web Server 6.1 SP10

Issue ID	Description
6679398	When a browser requests gzip compressed result, and when the response is sent through servlet-cache-filter, the response header does not indicate that the data was compressed (although the data was compressed), causing browsers to fail.
6537458	ACL evaluation when using Client tags is different depending on the order of requests.
6671965	The filter 'http-compression' used to compress outgoing content lacks documentation in Web Server 6.1, Administrator's Configuration File Reference Guide.
6606392	filebuf_open_nostat () behaves different for Unix and Windows. On Windows, filebuf_open_nostat () is broken, if file size is zero, while it works on Unix.
6729600	Upgrading to Web Server 6.1 SP10 fails to update searchadmin script for nutch filter related details.

B.12 Issues Resolved in 6.1 SP9

The following table lists the issues resolved in Web Server 6.1 SP9.

Table B–11 Issues Resolved in Web Server 6.1 SP9

Issue ID	Description
6295325	<p>The Web server should implement a timeout parameter for its LDAP connections pool.</p> <p>When using LDAP Authentication, the web server does not respond, if the LDAP server is unresponsive when performing ldapsession bind and ldap search. Setting the timeout value in seconds in server_root/userdb/dbswitch.conf file will stop the web server being unresponsive and also stops waiting for the LDAP server. By default there is no timeout.</p> <p>Sample dbswitch.conf:</p> <pre>default:binddn cn=Directory Manager default:encoded bindpw YWRtaW5hZG1pbG== default:timeout 60</pre>
6370259	FastCGI does not shutdown properly.
6442778	The setContentLength(0) in a servlet/JSP does not work when value is greater than 0.
6471213	Improper error messages are displayed at time out.
6504581	Memory leak in LDAP Session due to ldap_result().
6509590	Log level does not display the appropriate message.
6510001	The session-timeout value in web.xml is not getting precedence over sun-web.xml's timeout value.
6540788	Unable to install SSL server certificate with 99 years of validity.
6540817	Web Server 6.1 is not supported for Windows 2003 SP2 and R2,
6542731	Unable to run Web Server 6.1 scheduler in Java ES 4.
6553963	A particular PDF files are not recognized by the search engine.
6563615	Web server uses anonymous bind to a Secure LDAP Server when setting up distributed Admin.
6579852	Web server installation contains optimized and debug binaries of JDK.

Table B–11 (Cont.) Issues Resolved in Web Server 6.1 SP9

Issue ID	Description
6581407	The Restricting Access to a File Type feature does not change the appropriate <code>obj.conf</code> file.
6590893	Web server stand alone bits should recognize if it is being used for an upgrade from a Java ES installed web server and should provide a warning message to the user.
6591471	Server shutdown message is missing in <code>errorlog</code> file when Java is disabled globally.
6592886	Negative number is displayed in <code>QueueSize</code> of JDBC pool monitor.
6598092	Forwarding through <code>RequestDispatcher</code> fails for the first time when using the <code>invoker</code> servlet.
6603070	Incorrect handling of cookie value with single or double quote string.
6603088	Crash in LDAP search .
6609457	Post install script of web server does not handle the ABE case properly.
6620677	The start script does not calculate the right value for <code>libmtmalloc</code> to load in Solaris 9
6628376	The <code>scheduler.pid</code> file should be removed when the scheduler is stopped.
6628914	Removal of Sun Studio 10 from the <code>/usr/dist/share</code> directory causes build failure on Solaris Sparc 8,9 and 10.
6630037	The Cron log rotation creates invalid log archives with an instance name and sub string of another instance name.
6638185	Cross-site scripting vulnerability in search.
6643558	Need to provide the correct description and example for the <code>client-ip</code> tag.
6647151	Cross-site scripting vulnerability in advance search.
6619655	Reverse Proxy Plug-in documentation should state that Application Server is supported.
6514004	Steps to disable HTTP PUT and DELETE is not documented.
6582644	Description on to use the new <code>timeout</code> parameter for LDAP Authentication should be put into the release notes.
6663921	Web server start script does not return the prompt mode after starting the server on AIX. For more information, see Section 1.4.1.3, "AIX 5.3 Technology Level 6 SP5 Patches" and Section 1.4.1.4, "AIX 5.3 Technology Level 7 SP2 Patches."
6667638	Provide correct JDK version in the installation guide, which is bundled with the product.
6435723	High CPU usage in Reverse Proxy Plugin - <code>DaemonChannel::unchunk()</code>

B.13 Issues Resolved in 6.1 SP8

The following table lists the issues resolved in Web Server 6.1 SP8.

Table B–12 Issues Resolved in Web Server 6.1 SP8

Issue ID	Description
4737204	The <code>wdeploy delete</code> command follows symbolic links and deletes directories and its contents pointed by the symbolic link.
6152655	form-based authentication in a web application causes users to be logged out unexpectedly although the session should still be active.

Table B–12 (Cont.) Issues Resolved in Web Server 6.1 SP8

Issue ID	Description
6235473	Need the ability to change the permissions of a directory, which is created using WebDAV.
6319312	Fastcgistub dumps core when an instance is stopped after sending request for FastCGI Authorizer application.
6343584	Web server hangs with threads in a deadlock condition waiting for a lock owned by a NSS thread.
6379347	If Access Manager is deployed on the web server, all versions of Web Server 6.1 crash on load.
6497690	Need an option to have full URL or relative URL/URI in web server search web application.
6508015	<code>getParameterNames()</code> does not return non-parameterized names in query string.
6509623	(Windows XP and Windows 2003): Unable to open the Web Server 6.1 SP7 release notes by clicking the Start->Programs->Sun ONE Web Server->Release Notes link.
6513358	Web server Reverse Proxy Plug-in is not handling chunked data.
6519021	The <code>obj.conf</code> file of a new virtual server class generated by the Admin Server contain errors.
6519551	Issue in the JDBC Connection Pool feature.
6519839	Vulnerability with web server redirect functionality.
6520528	<code>response.sendRedirect()</code> error if the redirect URL does not begin with a slash (/).
6526460	LDAP connection failure errors with Web Server 6.1 SP7.
6531111	<code>htaccess AuthGroupFile</code> should support empty files as equivalent to not specifying the directive.
6532218	Web Server 6.1 SP7 crashes in <code>libxerces-c.so</code> on T2000 systems.
6534216	Update README, version string and license file for Web Server 6.1 SP8.
6540248	Web Server 6.1 SP8 to be integrated with NSS 3.11.6 and NSPR 4.6.6.
6546233	RPM specification and <code>pkginfo</code> file to be updated with the SP8 release and version number.
6566204	UTF-7 cross site scripting vulnerability.
6567841	Form authentication bypass and JSP source code disclosure vulnerability.
6574379	Web Server 6.1 browser support should include Internet Explorer 7.

B.14 Issues Resolved in 6.1 SP7

The following table lists the issues resolved in Web Server 6.1 SP7.

Table B–13 Issues Resolved in Web Server 6.1 SP7

Issue ID	Description
4856895	On UNIX: The watch dog process crashes on multiple CPUs machine during server shut down.
6158040	While migrating from 4.1 to 6.1, the JAVA parameters are missing in the <code>server.xml</code> file.
6206179	Internal log rotation rotates the files twice if the system time is changed between two scheduled rotations.

Table B-13 (Cont.) Issues Resolved in Web Server 6.1 SP7

Issue ID	Description
6213097	While migrating from 4.1 to 6.0, <code>ktsearch.jar</code> does not get migrated correctly on JES3.
6276594	A PUT request sent with the <code>Transfer-encoding: chunked</code> header along with a request body fails.
6292582	SNMP MIB's "Fraction of process memory in system memory" which is part of <code>iws.mib</code> , gives the wrong results when queried by the SNMP Manager.
6315783	In the French locale, Online Help links on the Search page lead to English pages.
6348395	When <code>IWSSESSIONMANAGER</code> is used, invalidating a session does not call the <code>sessionDestroyed()</code> of <code>HttpSessionListener</code> .
6350502	Pragma and cache-control headers cause interoperability problems.
6358858	<code>zlib</code> library throws an internal error.
6367672	The restart script fails when <code>MaxProcs</code> is greater than 1(one).
6376035	Unable to configure the Web Server to successfully run a JSP file that contains a <code>jstl</code> tag.
6376082	Need to support JNDI simple names for lookup in web applications for compatibility with the Application Server product.
6380777	Cannot add <code>p1</code> file suffix for <code>magnus-internal/cgi</code> through the Administration GUI.
6381747	If a session attribute implements <code>HttpSessionBindingListener</code> , the session expires after the session time-out period regardless of whether the session object is accessed.
6382704	Administration server monitors the server statistics even if the <code>Monitor Web Server Statistics</code> option is disabled.
6384456	When a web application attempts to use an object inappropriately, it crashes the web server.
6384640	Concurrent restart requests kill the web server processes.
6388092	Images stored in the <code>/ns-icons</code> directory are not displayed properly in Internet Explorer.
6388766	On Windows: treatment of <code>"\"</code> , the Japanese backslash mark (Yen) is different when a new CGI shell directory is created or edited.
6392159	The restart script fails to restart the web server intermittently, causing the web server to hang.
6392644	Incorrect URL in Web Server 6.0 SP10 and Web Server 6.1 SP5 Readme files.
6400307	The cluster control functionality of Admin GUI hangs when a variable is added.
6418529	The search page content has a mix of both English and other languages.
6421617	Problem having server-parsed HTML and <code>.htaccess</code> with the restricted group option.
6426382	If the value of <code>net_write SAF</code> is three times more than the fragment size of the HTTP compression, a <code>net_flush</code> call does not flush all the data.
6428199	Search filter fails if the <code>userid</code> of a member belonging to a user group contains <code>"</code> , (comma).
6428403	When a Servlet filter appends additional data to a response body generated by <code>core</code> , the server might crash if the size of the additional data is larger than the original response body.
6429293	Security vulnerability in Web Server 6.1 sample applications.

Table B-13 (Cont.) Issues Resolved in Web Server 6.1 SP7

Issue ID	Description
6433752	The <code>ssl-check</code> function does not work with NSAPI-based plug-in.
6436535	Server hangs on stop or restart when a connection is in the connection queue.
6437635	Issues with revoked client certificates and CRL files under certain conditions.
6438408	SNMP process leaks memory with each connection request.
6439519	If the <code>ObjectType fn="force-type"</code> directive is removed from the <code>obj.conf</code> file, the server may crash when a request is made for multiple byte ranges.
6441402	LDAP server configuration fails with Web Server 6.1 SP5 64-bit version.
6442651	If the URL to a web application contains URI parameters, it causes recursive redirection.
6448255	On Windows: File handle is not released by the <code>webservd</code> process under certain conditions.
6451182	Web Server 6.1SP6 experiences high CPU in <code>parseParameters()</code> .
6455812	Thread safety problems in the handling of some <code>magnus.conf</code> directives cause certain configurations to crash on startup.
6458771	<code>watchdog</code> can crash when <code>./start</code> is executed before <code>./stop</code> completes.
6465691	Display error with HTML page in <code><jsp:include></code> with tiles.
6471388	On Windows: Using hidden shared network drives as document directories results in a <code>Not Found</code> error.
6473494	Signature <code>DigestInfo</code> parsing problems in NSS.
6477953	On Windows: Web Server (stand-alone) modifies the NSPR/NSS bits thereby breaking the FIPS mode.
6477981	FIPS140 mode is broken in Web Server (stand-alone) due to missing <code>.chk</code> files.
6478972	The JDK shipped with Web Server 6.1SP6 is not compatible with 2007 Daylight Saving Time (DST) changes.
6480026	Some keep-alive connections do not get closed after the specified time.
6482272	SNMP master agent does not send traps when the web server instance's operational status changes.
6482560	On HP-UX: Web Server crashes with 1.4.2.09 + and 1.5.0.3+ JVMs.
6488468	On HP-UX: Remove the packaged JDK for Web Server.
6489275	Web Server 6.1 should be integrated with the latest NSS version for FIPS 140-2 compliancy.
6494886	Low-latency/high concurrency mode sometimes does not get switched dynamically.
6496892	On AIX: Remove the packaged JDK for Web Server.
6507264	When the default log level is set to <code>info</code> , finer log messages are still being printed at server startup.
6508092	Server startup fails in Web Server 6.1 SP7 on the HP-UX platform when installed through express silent mode.
6510957	The <code>pkginfo</code> file in the Solaris and RPM specification files points to the old service pack(SP5).

B.15 Issues Resolved in 6.1 SP6

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

Table B-14 Issues Resolved in Web Server 6.1 SP6

Issue ID	Description
5027774	WW_umask in the configuration is NULL in Solaris.
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, //machine-name/shared-folder-name. 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 by accessing 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>When using a shared directory from another Windows machine, ensure that the password of the Administrator account on both the machines is the 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. Go to Control Panel->Administrative Tools->Services and make the changes in the Properties dialog box.</p>
6384651	For HP-UX: Web Server sometimes returns the wrong last-modified header and date header.
6404983	Searching of Users and Groups through the 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 returns the actual content with 412 code for requests that contains <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 B-14 (Cont.) Issues Resolved in Web Server 6.1 SP6

Issue ID	Description
6316881	<p>Multibyte characters in headers cannot be retrieved by <code>req.getHeader()</code>.</p> <p>Workaround:</p> <p>By default, request headers are encoded using <code>UTF-8 enc</code>. You can customize request header encoding at the web application level by following these steps:</p> <ol style="list-style-type: none"> 1. 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 application's <code>sun-web.xml</code>. <p>In the following example, request header encoding is enabled for the web application:</p> <pre><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"> 2. Set the name of the character encoding in the application (JSP/Servlet) using <code>request.setCharacterEncoding()</code>.
6318406	Redeploying the web application causes ownership changes on files.
6294743	Updating JSP search collection creates new <code>tmp</code> files in the converted directory and fills up the disk space.
6197731	Internal error on accessing Administration Server.
6316262	Administration GUI does not reflect the changes made to the access log path.
6378521	<code>makefiles</code> need a cleanup in 6.1.
6318200	Buffer overflows when formatting installer error messages.
6343584	Deadlock in <code>keepalive</code> subsystem caused by NSS blocking.
6326965	Administration password in plain text in a file readable by anyone.
	<p>Workaround: Use either of these two workaround:</p> <ul 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>.
6356179	<p>The Administration Server of Web Server 6.1 does not change the <code>id</code> attribute in the <code>USERDB</code> tag.</p> <p>Additional Information: To change the <code>id</code> attribute in the <code>USERDB</code> tag, use either of these two option:</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 <code>VS Class</code> will be inherited by all virtual servers. ▪ Create multiple virtual server class files within a server instance (<code>https-localhost</code>). Each of these virtual server class files can contain one or more virtual servers.
6333656	The MIME type file in Web Server binaries must include 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 <code>`&'</code> in <code>server.xml</code> .

Table B–14 (Cont.) Issues Resolved in Web Server 6.1 SP6

Issue ID	Description
6335483	Create symbol enabled builds for HP-UX (non-stripped).
6332442	Web Server crashes on Linux when <code>Init fn="stats-init"</code> is present in <code>magnus.conf</code> .
4718466	After importing the 6 th key to crypto, Web Server 6.0 displays an error: <i>server not avail</i> .
6340799	During a stress test on S1WS6.1SP5 SSL on SUSE Linux Enterprise Server 9 SP2, <code>webservd</code> has a 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 with different IP addresses.
6378545	While updating a JSP search collection, updating a JSP file fails re-indexing.
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 <code>%</code> in the <code>jsp:param</code> value fails in some circumstances.
6324034	Web Server has default limit for upload file size as 10 MB.
6361485	<code>htaccess</code> not working in Web Server 6.1 SP5 for User Document Directories.
6350122	Web Server 6.1SP5 on Windows: Cron-based log rotation fails with garbage characters inside the <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> .

B.16 Issues Resolved in 6.1 SP5

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

Table B–15 Issues Resolved in Web Server 6.1 SP5

Issue 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 might result in improved throughput at the cost of increased latency and memory utilization.
6234284	JES3 Web Server installation fails 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> , <code>\</code> , and so on in the Administration password.

Table B-15 (Cont.) Issues Resolved in Web Server 6.1 SP5

Issue ID	Description
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 Web Server 6.0 SP7 instance to Web Server 6.1 SP2.
6244615	Web Server migration should correctly update <code>RootCerts</code> .
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	SSL: Data larger than 8k is huge when the request triggers new SSL handshake. Additional Information: By default, web server can upload files of sizes up to 1 MB (when client certificate authentication is optional). To upload files larger than 1 MB, increase <code>SSLClientAuthDataLimit</code> in the <code>magnus.conf</code> file. In case of simultaneous uploading of very large files, web server uses large amount of memory. To minimize memory utilization do any of the following actions: <ul style="list-style-type: none"> ■ If authentication is not required, turn off authentication. ■ If authentication is required, make it mandatory by setting <code>require=1</code> in the <code>obj.conf</code>. <code>PathCheck fn="get-client-cert" dorequest="1" require="1"</code>
6229472	<code>.htaccess</code> directive is broken.
6170938	<code>acceptlanguage</code> does not work for User Document Directories.
6180991	Internal-Daemon Log Rotation does not work for files larger than 2 GB.
6254121	<code>.htaccess</code> fails to protect resources that do not have a corresponding file.
6185904	New NSS error codes are not being handled properly.
6262885	Switching from HTTPS to HTTP causes generation of new session. 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 application's <code>sun-web.xml</code> . The default value is <code>true</code> . In the following example, <code>isSecure</code> is set to <code>false</code> for the web application by setting the parameter value to <code>false</code> . <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 the 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 B–15 (Cont.) Issues Resolved in Web Server 6.1 SP5

Issue ID	Description
6285847	Requests with double Content-Length header should get rejected (HRS vulnerability). Workaround: Add the <code>StrictHttpHeaders</code> directive in <code>magnus.conf</code> and set its value to <code>on</code> .
6275413	Incorrectly configured home-page SAF crashes server.
6313832	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 Web Server release will result in an error message such as the following: 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) The Web Server 6.1 SP5 (64-Bit) release introduces support for <code>sparcv9</code> .

B.17 Issues Resolved in 6.1 SP4

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

Table B–16 Issues Resolved in Web Server 6.1 SP4

Issue 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 Oracle-recommended patch cluster installed. <i>Solaris 8 (SPARC)</i> <ul style="list-style-type: none"> ■ Solaris 8 Update 7 ■ Oracle-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. ■ Oracle-recommended latest Security and Recommended patch cluster
6066252	Client certificates with AKI extension causes <code>SEC_ERROR_UNKNOWN_ISSUER</code> 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 asterisk does not return any result.

Table B–16 (Cont.) Issues Resolved in Web Server 6.1 SP4

Issue ID	Description
6171950	<p>Precompiled JSP files do not work as expected with <code>reload-interval</code> parameter in <code>sun-web.xml</code>.</p> <p>Workaround: Use the property <code>use-precompiled</code> (set to <code>true</code> under <code>jsp-config</code> in <code>sun-web.xml</code>) to specify that the JSP files are precompiled and should never need to be compiled at runtime.</p> <p>A sample <code>sun-web.xml</code> is as follows:</p> <pre><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	<code>libpassthrough.so</code> not present after RPM installation of plug-in.
6176231	Web Server 6.1 SP4 — Using the Delete certificate Administration GUI (<code>bin/https/admin/security</code>) core dumps with NSS 3.9.3 beta.
6173365	Multiple package installers for the same build of web server of the Solaris SPARC/x86 platform.
5039633	Update NSS to 3.9 series.
5063134	Java Enterprise System symbolic link not used for J2SE location.
6067407	Problems using <code>ACL_LDAPSessionFree()</code> .
6173293	Web server always sets content type to <code>text/html</code> 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 <code>JDK1.5_beta2</code> release.
6088595	Administration console throws exception with <code>JDK 1.5.0_beta2</code> while creating and editing classes.
4904913	I18N search: <code>`?'</code> wildcard search in Japanese causes wrong match.

B.18 Issues Resolved in 6.1 SP3

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

Table B–17 Issues Resolved in Web Server 6.1 SP3

Issue ID	Description
4798461	GUI does not correctly reflect when <code>`Transmit File'</code> is turned off.
4904896	I18N search: Sort encoding list of Default Encoding on search Administration GUI.
4905412	GUI does not 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 does not pick up document.

Table B-17 (Cont.) Issues Resolved in Web Server 6.1 SP3

Issue ID	Description
5014693	Java filters, HTTP compression, and SHTML fail to interoperate.
5021077	A <code>java.lang.NullPointerException</code> is thrown if you click on the OK button without selecting the Directory Server.
5025617	Web server's JNDI needs to map <code>resource-env-ref</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 for the web application 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 application <code>sun-web.xml</code>.</p> <p>In the following example, prefixing host name in session ID is enabled for the web application 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 the Solaris SPARC platform.</p> <p>The location of the <code>loadbal.so</code> plug-in is <code>server-root/plugins/loadbal.so</code>.</p>
5065017	Servlet session data problem.
5048051	Create collection fails on Linux with RPM install.
5029954	Stack size is ignored when <code>ConnQueueSize/RqThrottle</code> is 0.
4898077	Inconsistent behavior between <code>HttpServerAdmin</code> and <code>iWS</code> console.
5013100	Two ports (for example, 2500 and 02500) are added in <code>server.xml</code> 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 application level by setting the value of the configuration parameter <code>use-responseCT-for-headers</code> to <code>yes</code>, <code>true</code>, or <code>on</code>, in the web application's <code>sun-web.xml</code>.</p> <p>In the following example, response header encoding is enabled for the web application setting the parameter value to <code>true</code>. A sample <code>sun-web.xml</code> 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>

B.19 Issues Resolved in 6.1 SP2

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

Table B-18 Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
4536102	I18N: SNMP community name does not show up on Solaris Netscape.
4536194	CGI subsystem makes blocking calls from NSPR user threads.
4536739	Administration ACL and Superuser AC: The `Allow only from host' option does not work.
4615933	CORE SHTML: Cannot set Content-encoding for .shtml files.
4629796	French Thread pool name displaying garbage characters on JA-NT (Internet Explorer and Netscape).
4651056	Web server returns 404 for files starting with `..'.
4651206	After adding a 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 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: <code><property name="encodeCookies" value="false"></code> For the above example, add the line directly under the sun-web-app tag. Do not embed this line in any other tag.
4664945	Internal Error from URL forwarding form.
4666409	Clearing the <code>ErrorResponse</code> 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 <code>http://</code> 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-application/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.

Table B-18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
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.
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 ACLs.</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 an assertion about group membership bypassing nested individuals among dynamic groups.</p> <p>For example, assuming that user <code>alpha</code> belongs to group <code>A</code>, group <code>A</code> is a member of group <code>B</code> by group <code>B memberURL</code> definition (dynamic group), and your ACL only grants group <code>B</code> access. In such case, web server will deny access from <code>alpha</code> because <code>alpha</code> is not regarded as member of group <code>B</code>.</p> <p>If you want to support a nested group, do not define this new config for LDAP authentication service. You will not 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 setting: 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 the line in the access log.
4786612	Web server treats `:` (colon) 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 a low value.
4788075	Setting the <code>PATH</code> variable in <code>magnus.conf</code> 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 a program item under the program groups in GUI.
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 only a handful of concurrent keep-alive connections exist. 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	<code>shtml</code> is parsed when execute permission is not set and configured.
4855807	AIX: Web server hangs after being restarted by watchdog.

Table B-18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
4858152	Access log entries in the <code>server.xml</code> file of the migrated instance point to an 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 Navigator 7.
4873766	The <code>upload-file</code> 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 <code>servername</code> attribute of the <code>LS</code> element in <code>server.xml</code> 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 <code>http://www.example.com</code> and relaying it to the web server on port 8080, an <code>LS</code> element such as the following could appear in <code>server.xml</code>:</p> <pre><LS remap="ls1" port="8080" security="disabled" ...servername="https://www.example.com"></pre> <p>The <code>https://</code> prefix in the <code>servername</code> value instructs the server to use the HTTPS scheme in self-referencing URLs even though the <code>LS</code> 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 documentation.
4896881	While using <code>untar</code> to expand 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 the Edit Virtual Server page is not correct.
4905175	WebDAV ACL settings are inherited into new Virtual Servers.
4909378	The Help button in the Edit WebDAV page is not pointing to the correct help page.
4903449	Performance affected with multiprocess mode and one thread.
4905681	<p>The <code>AsyncDNS</code> setting is ignored in Web Server 6.1 SP1. The web server never performs asynchronous DNS lookups.</p> <p>Note that even when the <code>magnus.conf</code> has <code>AsyncDNS on</code>, Asynchronous DNS is still turned off.</p>
4908631	An error message status is returned when you try 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 through the GUI duplicates users in exponential order.
4904088	Migration final page needs to encode the '<' and '>' characters HTML.
4908986	JDBC: Servlet code <code>UploadServlet</code> mishandles SQL exceptions.
4904896	I18N search: sort encoding list of Default Encoding on search Administration GUI.

Table B-18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
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 <code>ConfigurationException</code> 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 <code>jdbcRealm</code> sample application.
4910869	NSFC enhancement needed. Add the <code>ReplaceFiles nsfc.conf</code> directive. When <code>ReplaceFiles=true</code> (default), the existing file cache behavior is preserved. <code>ReplaceFiles=false</code> indicates that once a file is cached, its file cache entry should never be discarded to make room for another file. This setting is useful in benchmark scenarios because eliminates contention on the hit list lock.
4910272	Server should not accept mixed slashes for the doc root while adding a new server.
4912254	Web server installation fails due to <code>set -o noclobber</code> in <code>.env</code> .
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 do not have validations because they are accepting negative integer values.
4911550	Getting <code>ServletException</code> 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 is not reflected in <code>server.xml</code> .
4913289	Help on 'Edit Virtual Class' does not give complete criteria for VS class deletion.
4916331	Keep-alive connections can hang under light load.
4925475	The <code>server.xml createconsole</code> attribute is ignored.
4925938	Null Pointer exception thrown if the user mistakenly edits the VS Administration URL.
4929848	Performance: Web server polls <code>kstat</code> once per second.
4926414	I18N-korean: Re-indexing collection hangs when missing one or more existing docs.
4935797	<code>certmap.conf</code> file location misrepresented.
4930327	Destination headers are not URL decoded in MOVE/COPY requests.
4933483	SIGCHLD signals are reported on startup.
4935582	<code>TCP_NODELAY</code> need not be set for <code>AF_NCA</code> .
4930642	Source returned when the file's <code>mime.types</code> entry does not end with a carriage return.
4930329	Default values of <code>maxpropdepth</code> is poorly chosen.

Table B-18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
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.
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 the Solaris x86 platform.
4940040	Administrator's Configuration File Reference defines non-existent TYPE element.
4942750	Search example is incorrect.
4943631	Wrong documentation on the thread pool configuration 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 does not work as expected with Web Server 6.1.
4947065	The search web application 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 match the Administration server user in the scheduler.conf file.
4961864	Web server hangs when using rotate-callback.

Table B-18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
4962059	Administration password stored as plain text in file <code>setup.inf</code> .
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 dropdown box.
4962624	Administration: No Validation for protocol value in Edit Listen socket.
4963483	The GUI gets cluttered if an ACL file path contains a 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 (<code>\plugins\java\samples\webapps\simple</code>).
4972573	Incorrect behavior in <code>web-apps-sample</code> sample application in Web Server 6.1 SP1.
4972587	Incorrect instructions in <code>index.html</code> of the internationalization 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	<code>NSFC_GetEntryPrivateData()</code> calls <code>NSFC_ExitCacheMonitor()</code> when no entry exists.
4973079	The GUI retains dismissed invalid port entries and populates it when <code>servername</code> field validation fails.
4975788	<code>classpath</code> edited using Internet Explorer is broken; server JVM can't start.
4975798	Cannot add path to <code>classpath</code> suffix using web-admin.
4975782	Cannot delete external JNDI reference.
4970188	RPM can't locate system <code>umask</code> .
4971298	<code>pkgchk -n</code> fails for web server package in Java ES.
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.
4986700	Last-modified and Etag are suppressed when Servlet filters are used.
4991888	The wrong file name is stored for key file configuration.
4992739	Cannot start web server instance, after modifying its <code>classpath</code> 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	Superuser Access Control cannot be set even when Distributed Administration is not enabled.
5012107	POST request body consumed twice when using bad plug-in.

Table B-18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
4962659	Search criteria is 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	<code>indexMetatags</code> of the nova search should be set automatically.
4975367	Indexing for the meta tag should be case-insensitive.
4997149	Removing documents with a <code>*.*</code> pattern is not removing all the files when the <code>excludeExtensions</code> property is set.
4997178	Server returns null pointer exception while indexing <code>.sxp</code> file when <code>excludeExtensions</code> is set.
4997697	Page numbers are not displayed properly on the search results page.
4844616	Misconfiguration of <code>bswitch</code> causes crash.
4854698	Plug-in crashes with malformed request.
4866965	ACLI: Failed authentication is logged twice in the server errors log file.
4880864	ACL: Web server returns "404 Not found" errors when ACLs deny access.
4915326	WEBC: granting <code>signedBy</code> 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 <code>%</code> in the value of the JSP parameter corrupts the query string.
4927770	Server aborts with SIGABRT from within <code>libjvm</code> .
4928358	JSP errors are wrongly reported as "Not Found" errors.
4930374	<code>extra-class-path</code> attribute in class-loader element in <code>sun-web.xml</code> does not work as expected.
4932893	Dynamic reloading does not work for web application descriptor files, for example, <code>web.xml</code> .
4939370	Web container thread names are not unique.
4934083	LDAP: Crash during LDAP authentication.
4934562	WEBC: <code>getRemoteUser()</code> does not work for stand-alone JSP files.
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: <code>isUserInRole()</code> does not match when using core authentication.
4957829	LDAP: User can enter wildcard <code>*</code> for UID in basic authentication.
4960013	Cannot have more than one LDAP realm.
4968857	<code>htconvert</code> not converting <code>.nsconfig</code> wildcard patterns correctly.
4968882	<code>htconvert</code> does not work on 6.1 style <code>server.xml</code> .
4960873	NPE encountered when a session is expired simultaneously by two (2) threads.
4973927	EPIPE signal not caught as an <code>IOException</code> from <code>OutputStream.write()</code> .

Table B–18 (Cont.) Issues Resolved in Web Server 6.1 SP2

Issue ID	Description
4976277	Using JDK 1.4.1 provided JNDI connection pool for LDAP pooling.
4983707	Changing the log level to Security causes <code>NullPointerException</code> upon start.
4981028	Distributable semantics in <code>web.xml</code> is not honored by the web container.
4993468	<code>getResourcePaths</code> returns paths that contain <code>`/'</code> .
4996219	<code>webservd</code> leaks memory on RedHat Linux Advance Server 3.0.
4997593	Poor integration between NSAPI <code>srvhdrs</code> and <code>HttpServletResponse</code> headers.
4997756	LOCK-UNLOCK is not working properly and the GUI does not show lock information properly.
4997838	Web server does not start on RedHat Linux AS 3.0 with Security turned On.
5003531	500 error when accessing a web application with <code>transport-guarantee=CONFIDENTIAL</code> from a non-SSL port.
5004542	ASN.1 parsing bugs/brute forcer program can cause web server crash.
5016494	NSS: Crash in <code>DER_UTCTimeToTime</code> with corrupt certificate.

B.20 Issues Resolved in 6.1 SP1

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

Table B–19 Issues Resolved in Web Server 6.1 SP1

Issue ID	Description
4642650	Option needed to disable appending of absolute URL in a Servlet or JSP container. Fix details: New property added to <code>sun-web.xml</code> : <code>relativeRedirectAllowed</code> Default value: <code>false</code> 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.
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	<code>javahome</code> path wrongly set when adding a server with no bundled JDK.
4911580	Adding a new server instance might fail with a Server Error message.
4928794	Server restarts when trying to create null resource by PUT.

Table B–19 (Cont.) Issues Resolved in Web Server 6.1 SP1

Issue 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 enable arbitrary meta tags to be indexed, including those tags produced when converting the FTS_* attributes from PDF files. Manual configuration of a new setting in <code>server.xml</code> is required, as described below.</p> <ul style="list-style-type: none"> ■ In the SEARCH section of <code>server.xml</code>, 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 release: <code>reconfig</code> 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. 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 <code>reconfig</code> command does not work on Windows XP.
4964069	The <code>commit.exe</code> utility crashes on Windows platforms.

B.21 Issues Resolved in 6.1

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

Table B–20 Issues Resolved in Web Server 6.1

Issue ID	Description
4869693	On Windows, the web server installation overwrites SunONE Directory Server .dll files due to cohabitation issues with Directory Server 5.x.
4540254	Rotating log files shouldn't require server restart on UNIX.
4727146	Logs filling with `connection reset' entries.
4786735	Installer does not 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. Its exception stops valid JSP files.
4801874	<code>ACL_LDAPSessionAllocate</code> always returns <code>LAS_EVAL_FAIL</code> .
4811418	Digest authentication crashes.
4819405	Memory leak of the <code>slapd</code> process with the <code>digestauth</code> plug-in.
4820513	<code>digestauth</code> plug-in code is not thread safe.

Table B–20 (Cont.) Issues Resolved in Web Server 6.1

Issue ID	Description
4839875	When using cachefs or nfs as ClassCache and document-root, Web Server does not always pick up the new JSP.
4842190	Web server crashes when receiving Accept-Language header larger than 15 languages.
4842574	Server crash with malformed request.
4842601	Accept-Language header security issue.
4846832	CRL corrupts database.
4848896	digestauth plug-in crashes for a particular type of request.
4849914	Memory leak in digestauth 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.

B.22 Issues Resolved in 6.1 Documentation

The following table lists the issues resolved in the English language version of Web Server 6.1 SP6 and later documentation.

Table B–21 Issues Resolved in Web Server 6.1 Documentation

Issue ID	Description
6507454	Current documentation gives incorrect instructions on how to log cookie information.
6528670	<i>Administrator's Guide</i> should document the steps to restart, start, or stop the <code>schedulerd</code> control daemon from command line.
6528678	<i>Release Notes</i> and <i>Installation and Migration Guide</i> have different Support Platform description for Web Server 6.1 SP7.
6528682	Two Server Instances Bind to Same Port on Windows.
6543821	Server does not close the old listen sockets on restart or reconfigure.
6559753	The release notes for the reverse proxy plug-in should include a Resolved Issues section.
6570039	<i>Administrator's Guide</i> needs correction: the <code>-P</code> option in the Exporting with <code>pk12util</code> section should contain a hyphen (-) after <code>https-test-host</code> .
6367812	Online help does not document steps to restart the <code>schedulerd</code> .
4957123	<i>Administrator's Guide</i> does not document the Search Query operators.
6493741	Provide steps on "How to Stop the <code>schedulerd</code> from a command line".
6384436	Reverse proxy plug-in is missing some important documents.
6401395	6.1 Passthrough/Fastcgi plug-ins startup messages create confusion.
6170766	Upgrade procedure of Java ES does not use the JES installer.
6418693	Description about <code>netbuf_getbytes()</code> is not available in the 6.1 NSAPI guide.
6472668	Web Server 6.1 Windows installation should use <code>-Xrs JVM</code> option by default.

Table B–21 (Cont.) Issues Resolved in Web Server 6.1 Documentation

Issue ID	Description
6503463	Web Server 6.1 release notes has Sun internal URL.
6378473	<i>Release Notes for Sun Java System Web Server 6.1 Add-Ons Reverse Proxy Plugin</i> has an 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.
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 typographical 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 <code>`1.4.1_03'</code> .
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 <code>'block-size'</code> for <code>pool-init</code> .
5002190	<i>Administrator's Guide</i> does not 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	<p><i>Administrator's Guide</i> has the following incorrect information:</p> <ul style="list-style-type: none"> ■ The path where <code>libdigest-plugin.ldif</code> exist is not defined in the guide. Additional Information: <code>libdigest-plugin.ldif</code> is available at <code>server-root/plugins/digest/libdigest-plugin.ldif</code>. ■ Information to configure the web server to process digest authentication (set the <code>digestauth</code> property of the database definition in <code>dbswitch.conf</code>) is given without describing the procedure to do it. ■ <code>libdigest-plugin.so</code> is incorrectly mentioned as <code>libdigest-plugin.lib</code>. ■ Description of <code>iplanetReversiblePassword</code> is missing.
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.

Table B-21 (Cont.) Issues Resolved in Web Server 6.1 Documentation

Issue ID	Description
5052605	<i>NSAPI Programmer's Guide</i> does not clearly specify that <code>content-type</code> 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.
6285234	<i>Administrator's Configuration File Reference</i> incorrectly describes the default value of the <code>StrictHttpHeaders</code> directive as <code>on</code> .
6067318	<i>Administrator's Configuration File Reference</i> has insufficient information about the <code>set-variable error</code> 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> does not clearly define the default value of <code>listenQ</code> on Windows.
6354681	<i>Administrator's Configuration File Reference</i> needs more information about DNS.

