Oracle® iPlanet Web Server
Release Notes

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Oracle iPlanet Web Server Release Notes, Release 7.0.27

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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:

- Oracle iPlanet Web Server Release 7.0.27 Release Notes contains information about the features, enhancements, and issues resolved in the current release; the hardware and software requirements; and installation, migration, and upgrade notes.

- Known Issues lists the important known issues and limitations at the time of the current release.

- Product Documentation 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.

- Features and Enhancements in Previous Web Server 7.0 Releases describes the features and enhancements in previous releases of the product.

- Issues Resolved in Previous Web Server Releases lists the issues resolved in previous releases of the product.

Revision History

Date	Description
October 2017	Updated for the Oracle iPlanet Web Server 7.0.27 release
April 2017	Updated for the Oracle iPlanet Web Server 7.0.26 release
January 2017	Updated for the Oracle iPlanet Web Server 7.0.25 release
October 2016	Updated for the Oracle iPlanet Web Server 7.0.24 release
April 2016	Updated for the Oracle iPlanet Web Server 7.0.23 release
July 2015	Updated for the Oracle iPlanet Web Server 7.0.22 release
April 2015	Updated for the Oracle iPlanet Web Server 7.0.21 release
July 2014	Updated for the Oracle iPlanet Web Server 7.0.20 release
January 2014	Updated for the Oracle iPlanet Web Server 7.0.19 release
October 2013	Updated for the Oracle iPlanet Web Server 7.0.18 release
April 2013	Updated for the Oracle iPlanet Web Server 7.0.17 release

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Date	Description
October 2012	Updated for the Oracle iPlanet Web Server 7.0.16 release
May 2012	Updated for the Oracle iPlanet Web Server 7.0.15 release
February 2012	Updated for the Oracle iPlanet Web Server 7.0.14 release
December 2011	Updated for the Oracle iPlanet Web Server 7.0.13 release
August 2011	Updated for the Oracle iPlanet Web Server 7.0.12 release
February 2011	Updated for the Oracle iPlanet Web Server 7.0.11 release
December 2010	Updated for the Oracle iPlanet Web Server 7.0.10 release
July 2010	Initial publication, for the Oracle iPlanet Web Server 7.0.9 release

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc`.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info` or visit `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs` if you are hearing impaired.

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.
italic	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.

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Oracle iPlanet Web Server Release 7.0.27 Release Notes

This document contains information about new features and enhancements, installation notes, and known issues in Oracle iPlanet Web Server Release 7.0.27.

This document contains the following sections:

- New Features or Enhancements in Oracle iPlanet Web Server Release 7.0.27
- Issues Resolved in Oracle iPlanet Web Server Release 7.0.27
- Hardware and Software Requirements
- Installation, Migration, and Upgrade Notes

1.1 New Features or Enhancements in Oracle iPlanet Web Server Release 7.0.27

There are no new features and enhancements in Oracle iPlanet Web Server 7.0.27

For information about features and enhancements in previous Oracle iPlanet Web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

1.2 Issues Resolved in Oracle iPlanet Web Server Release 7.0.27

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.27. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
26393550	Update web server version to 7.0.27.
26711637	Since NSS no longer supports `PKCS 11 allow-bypass`, the `allow-bypass` support must be removed from Webserver.
26393470	NSS upgraded to 3.30.2 for Oracle iPlanet Web Server 7.0.27.

For information about issues resolved in previous Oracle iPlanet Web Server Release 7.0 releases, seeIssues Resolved in Previous Web Server Releases.

1.3 Hardware and Software Requirements

This section provides information about the hardware and software requirements of Oracle iPlanet Web Server Release 7.0.27, including the following topics:

- Product Patches
- Supported Platforms
- Supported JDKs
- System Virtualization Support
- Operating System Patches
- Supported Browsers
- Deprecation Notices

1.3.1 Product Patches

Patches for Oracle iPlanet Web Server Release 7.0.27 are available on the My Oracle Support site at `http://support.oracle.com`.

The following table lists issue IDs related to different platforms.

Platform	Issue ID
Oracle Solaris on SPARC (32-bit)	26664500
Oracle Solaris on x86 (32-bit)	26664500
Linux x86	26664500
Linux x86-64	26664500
IBM AIX on POWER Systems (32-bit)	26664500
Microsoft Windows (32-bit)	26664500

1.3.2 Supported Platforms

Complete information about supported operating environments and hardware for Oracle iPlanet Web Server Release 7.0.27 is available in *Oracle iPlanet Web Server Release 7.0.9+ Certification Matrix*, which is available at:

`http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html`

Memory and Disk Space Requirements

- Minimum recommended disk space: 550 MB
- Minimum required memory
  - For Red Hat Enterprise Linux: 768 MB
  - For all other operating systems: 512 MB

Runtime Library Requirement

The Oracle iPlanet Web Server 7.0.27 Windows patch requires the Microsoft VC9 runtime libraries.

1.3.3 Supported JDKs

From release 7.0.9 onward, Oracle iPlanet Web Server is supported only on Java SE 6, not on Java SE 5.

From Web Server 7.0.17 and higher, Java SE 7 is supported on Solaris, Linux and Windows platforms.

For information about the supported operating systems, see the *Oracle iPlanet Web Server 7.0.9+ Certification Matrix* spreadsheet, the link to which is available on the following page:

http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html

> **✎ Note:**
>
> JDK 7 is packaged with Oracle iPlanet Web Server 7.0.18, for all the operating systems that are listed in the supported platforms spreadsheet, except HP-UX and AIX.

1.3.4 System Virtualization Support

System virtualization is a technology that enables multiple operating system instances to execute independently on shared hardware. Functionally, software deployed to an operating system hosted in a virtualized environment is generally unaware that the underlying platform has been virtualized. Oracle tests its products on selected system virtualization and operating system combinations to help validate that Oracle products continue to function on properly sized and configured virtualized environments as they do on non-virtualized systems.

For information about support for Oracle products in virtualized environments, see:

http://www.oracle.com/technetwork/middleware/ias/oracleas-supported-virtualization-089265.html

1.3.5 Operating System Patches

Update your operating system with the latest applicable patches. Required patches are listed in the following sections.

1.3.5.1 Solaris Patches

x86 or SPARC users of Solaris 10 should have the latest patch cluster installed. The patch cluster is available on the My Oracle Support site at:

http://support.oracle.com

> **✎ Note:**
>
> On a 32-bit Solaris (SPARC) platform, install `SUNWlibC` and `SUNWlibCx` packages, in addition to the patches listed in this section.

The Oracle iPlanet Web Server 7.0 installer determines whether the required patches are installed on your system; without them, the installation fails. The following patches

are required for successful installation and functioning of Oracle iPlanet Web Server 7.0 on a supported platform.

> **Note:**
>
> If the patches available at `http://support.oracle.com` are *obsolete*, download the most recent version of these patches because they include the latest bug fixes and product enhancements.

> **Note:**
>
> To know the Solaris version installed on your system, see the `/etc/release` file.
>
> The `/etc/release` file contains Solaris version information in the following format:
>
> ```
>          Solaris 10 6/06 s10x_u2wos_08 X86
>    Copyright 2006 Sun Microsystems, Inc.  All Rights Reserved.
>            Use is subject to license terms.
>                  Assembled 02 May 2006
> ```

1.3.5.1.1 Solaris 10 (SPARC and x86) Patches

- SPARC

  119963-26 — Shared library patch for C++

- x86

  119964-26 — Shared library patch for C++

1.3.5.2 AIX Patches

- **AIX 5.3**: 5300-08-01-0819 or later
- **AIX 6.1**: 6100-00-04-0815 or later

1.3.5.3 Linux 6.x Patch

`compat-libstdc++-33.x86_64` rpm

`glibc-2.12-1.80.el6.i686` rpm

1.3.6 Supported Browsers

Information about the supported web browsers for Oracle iPlanet Web Server Release 7.0.27 is available in the *Oracle iPlanet Web Server Release 7.0 Certification Matrix*, which is available at:

`http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html`

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1.3.7 Deprecation Notices

Uncertified Operating System Versions

As of Oracle iPlanet Web Server Release 7.0.27, the following operating system versions are not certified:

- Microsoft Windows XP
- Microsoft Window Server 2003 Enterprise Edition, Service Pack 2
- Microsoft Windows 2000 Server and Windows 2000 Advanced Server
- Solaris 9 Update 9 SPARC (32- and 64-bit)
- Solaris 9 Update 8 x86 (32-bit)
- Solaris 8
- OpenSolaris
- HP-UX 11.11
- Novell SUSE Linux Enterprise Server 9
- Red Hat Enterprise Linux Advanced Server 3

Uncertified Web Browser Versions

As of Oracle iPlanet Web Server Release 7.0.27, the following web browser versions are not certified:

- Firefox 2
- Microsoft Internet Explorer 6
- Mozilla (all versions)

1.4 Installation, Migration, and Upgrade Notes

This section includes notes about installing, migrating, and upgrading Web Server. For detailed information about these topics, review the information in *Oracle iPlanet Web Server Installation and Migration Guide*.

For known issues as of Oracle iPlanet Web Server Release 7.0.27, see Known Issues.

1.4.1 Installation Notes

You cannot install Web Server to a directory that contains an earlier major version of Web Server. You can, however, migrate the existing installation after installing Web Server to a new directory.

Web Server can be installed as part of Java Enterprise System or as a standalone version.

1.4.1.1 Standalone Installation

In a standalone installation, all the necessary shared components such as NSS and NSPR are packaged with the Web Server installation files.

1.4.1.2 Java ES Installation

Java ES patches for Oracle iPlanet Web Server 7.0 were provided up to release 7.0.12. The information in this section is applicable only to release 7.0.12 and earlier releases.

If you are installing Oracle iPlanet Web Server as part of the Java ES suite, the Java ES installer installs all the shared components such as NSS and NSPR as separate packages and Web Server specific binaries as separate OS-dependent packages.

Download and install the latest Java ES component patches for your operating system from `http://support.oracle.com`.

> **Note:**
>
> Oracle iPlanet Web Server will not start successfully without installing the latest NSS and NSPR patches on your system. Therefore, before installing the latest update of Oracle iPlanet Web Server, look in the patch README for the appropriate NSS patch available for your system.

1.4.2 Migration Notes

Web Server 6.0 and 6.1 configurations can be migrated. Direct migration from a Web Server release earlier than 6.0 is not supported. Earlier releases such as Web Server 4.0 must first be migrated to Web Server 6.1, then to Web Server 7.0. For information about migrating from Web Server 4.0 or later to Web Server 6.1, see *Sun Java System Web Server Installation and Migration Guide* and *Sun Java System Web Server 6.1 Release Notes* at:

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

For more information about migrating from Web Server 4.1 to Web Server 7.0, and from all versions of Web Server 6.0 to Web Server 7.0, see *Oracle iPlanet Web Server Installation and Migration Guide*.

1.4.3 Upgrade Notes

When you install the latest update of Oracle iPlanet Web Server 7.0 over an existing 7.0 installation, the installer automatically performs the upgrade.

If Oracle iPlanet Web Server 7.0 is already installed, point the installer (pertaining to the latest update) to the location of the existing 7.0 installation, and then upgrade.

For more information about upgrading from Web Server 7.0 to Web Server 7.0 Update 5, see *Oracle iPlanet Web Server Installation and Migration Guide*.

Compatibility Issues

1. Web Server 7.0 supports JavaServer Faces 1.2 technology. Most JavaServer Faces 1.1 applications are expected to work with Web Server 7.0 without any modifications. However, there are some compatibility issues that might be encountered when migrating applications to JavaServer Faces 1.2 applications and such applications require modifications.

The changes are documented in the JavaServer Faces release notes at:

`https://javaserverfaces.dev.java.net/rlnotes/1.2_04/issues.html`

2. Sun Java System Portal Server 7.1 provided with Java ES 5 is not compatible with Web Server 7.0 Update 1. If you have deployed Sun Java System Portal Server 7.1 along with Web Server 7.0, you need to upgrade both servers rather than only Web Server 7.0.

   The required Sun Java System Portal Server 7.1 upgrade is available with Java ES 5 Update 1 or with the following patches at:

   `http://support.oracle.com`

   - 124301 (SPARC)
   - 124302 (x86)
   - 124303 (Linux)

   If you are using a localized version of Web Server, install the following Portal Server localization patches:

   - 125301 (Solaris SPARC, Solaris x86 localization)
   - 125302 (Linux localization)

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Known Issues

This chapter describes known issues and limitations in Oracle iPlanet Web Server 7.0 release.

The issues are grouped under the following sections:

- Web Server Administration Issues
- Web Server Core Issues
- Web Server FastCGI Issues
- Web Server Installation Issues
- Web Server Migration and Upgrade Issues
- Web Server Sample Applications Issues
- Web Server Search Issues
- Web Server Security Issues
- Web Server Session Replication Issues
- Web Server Web Container Issues
- Web Server Localization Issues
- Web Server Sun Java Enterprise System Issues

2.1 Web Server Administration Issues

Table 2-1 lists the known issues in the administration of Web Server.

Table 2-1   Known Issues in Administration

Problem ID	Description
6944873	**On AIX with IBM JDK 6, user authentication fails if the UID contains double quotation marks and Web Server is configured to use the LDAP realm.**
	This issue arises due to a bug in the IBM JDK.
6364924	**A node can be registered to multiple administration servers, which may cause a configuration conflict.**
	It is possible to register a node to a second administration server without canceling the registration with the first administration server. However, this leads to the nodes being inaccessible to both the administration servers.
	Workaround:
	On each registration, restart the administration node. The administration node will be available to the most recent administration server, to which it is registered.

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
6379125	**wadm command allows connecting to a node, shows a certificate and then throws an 'HTTP 400' error.** When an administration node receives a connection, it does not check that the connection is from the administration server before proceeding. It not only prints an inappropriate error message, but also prompts the user to enter the password.
6327352	**Session replication enabled instances does not come up normally if other instances in the cluster are not started.**
6393534	**After migrating the Java keystore keycerts using the migrate-jks-keycert command, trying to list the migrated jks keycerts using the list-certs command, displays the CN, org and other information instead of the certificate nickname.**
6407486	**While setting the SSL property using the wadm set-ssl-prop command, the server-cert-nickname property accepts any certificate nickname, instead of accepting only the server certificate nickname.**
6443742	**The set-session-replication-prop CLI command does not work if the 'node' option is provided with a qualified domain name.** **Workaround:** Use the output of the `list-nodes` command for the valid names of the nodes in the `set-session-replication-prop` command.
6468570	**Specifying "yes" at the wadm prompt terminates the CLI.**
6469676	**When you try to connect to the administration server after the administration certificates have expired, an incorrect error message is displayed.**
6480600	**The register-node command gives an incorrect error message when the administration server runs out of disk space.**
6495446	**If no disk space is available on the device, wadm throws an incorrect error message "Unable to communicate with the administration server".**
6502800	**Executing the migrate-server command with both "--all" and "--instance" options does not result in an error.** A warning or an error message should be displayed indicating that the user is attempting to set mutually exclusive options.
6416328	**The Start Instances button in the Admin Console is enabled for an instance that is already running.** The buttons should be enabled or disabled based on the status of the instance.
6418312	**wadm allows you to define duplicate user properties.** Adding duplicate user properties does not show an error message; however, a new user property is not created.
6421740	**There is no provision to create an access control list (ACL) file using the Admin Console or the CLI.**
6423432	**On Windows, using an existing configuration, repeating the process of adding and removing the registered nodes causes validation failure.**
6430417	**MIME types allows MIME value with multibyte characters.**
6442081	**Text in the Access Control List page is not formatted.**
6442172	**User can be switched between `available' and `selected' lists in ACE even though the user is deleted from the authentication database.**

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
6446162	**No warning is issued before the deletion of key or the digest file authentication database.**
6448421	**The administration interface allows you to create a user with multibyte user ID in the key-file authentication database.**
6455827	**User and Group table in the Admin Console displays the entire result in a single page.**
6461101	**Labeling of the Request Certificate and Install buttons on the Create Self-Signed Certificate page of the Admin Console needs to be revised.**
6462057	**Add and Remove buttons are enabled in new ACE window even if no items are present in the `Available' list.**
6464891	**Admin Console truncates the display of server logs at 50 lines or 2 pages.**
6465382	**No validation exist to check the entry of wrong country code in the certificate request wizard.**
6465421	**In the Admin Console, no text field description is provided for virtual-server, authdb, dav collection, and event fields .**
6466336	**Admin Console shows wrong JDK version while creating a new configuration.** The JDK version displayed in the Admin Console is 5.0 u6 instead of 5.0 u7.
6471171	**Style formatting is lost after restarting the administration server from Nodes -> Administration Server General tab.**
6471367	**Attempting to access the Admin Console in another tab of the same browser does not work.**
6471792	**View Log displays result in a single page.** Although the search criteria selected for record size is 25 log entries, the log displays the results in one single page even if there are more than 50 log entries.
6472932	**Token mismatch error is displayed when you remove the token password and then reset it in the Common tasks -> Select configuration -> Edit configuration -> Certificates -> PKCS11 Tokens page.**
6486037	**The Virtual Server Management->Content Handling->Document Directories->Add should have a browse option to choose the path of a additional document directory.**
6492906	**Message displayed about WebDAV collection locks in the Admin Console is misleading.** If you specify the time-out value for the WebDAV collection as `infinite`, the Common Tasks->Select Configuration ->Select Virtual Server->Edit Virtual Sever ->WebDAV->Select collection page displays the message `DOES NOT EXPIRE`. What it actually means is that the lock does not expire automatically after a specified time or the time-out is infinite.
6498484	**Incorrect error message is displayed on setting empty token password using the `Set passwords' button.**
6500157	**Instance fails to restart if you try to edit a token password and deploy a configuration on an instance which is already running.**
6502287	**The Admin Console displays an exception when you delete a configuration and click the Migrate button.**

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
6502374	**The Admin Console Review screen in wizards should only show fields that have values.**
6502793	**During migration, the log-dir path permission is not validated.**
6266358	**Cannot log in through the Admin CLI if the administration password has extended ASCII characters.**
6361329	**The error-response file name should be validated.**
6367282	**The administration server starts with expired certificate; wadm should warn about expired certificates.**
6375505	**The unregister-node command should also clean up certificates on the administration node.**
6408169	**WebDAV lock CLIs do not work in a cluster environment.**
6408186	**Multiple installations of the administration nodes on the same node that is registered to the same administration server should be not be allowed.**
6416369	**Accessing the administration node URL results in Page Not Found error.** As the administration node does not have a GUI, accessing the administration node URL results in `Page Not Found` error.
6422936	**No validation for class path prefix and suffix, and native library path in JVM Path Settings in Java.**
6423310	**The server.xml elements should be grouped based on functionality.**
6441773	**On Windows, the administration server moves the Web application files physically before stopping the Web application.**
6462515	**The Admin Console misleads user with "Instance modified" message when runtime files get created in the config directory.**
6462579	**Trust store does not deleted on uninstalling the administration node after unregistering it with the administration server.**
6468330	**Changes made to the JavaHome property does not get saved after restarting the instance.**
6491749	**Need better validation in certain text fields to prevent obj.conf file corruption.** Most of the functional validation of the data in a form is done in the back end. The GUI has only minimal checks such as empty fields, integer values, and ASCII values. Hence, the GUI stores the data in the `obj.conf` when parsed gets corrupted .
6497213	**Executing the restart-admin command followed by the stop-admin command throws exception in administration error logs.**

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
6587832	**On Windows, the Admin Console intermittently fails to come up.** **Workaround:** 1. This problem is seen on Windows 2003 if you have "Internet Explorer Enhanced Security Configuration" enabled. 2. To access the Admin Console without disabling Enhanced Security feature, include the site in the list of trusted sites explicitly on the browser. 3. To disable Internet Explorer enhanced security configuration, go to Control Panel > Add/Remove Programs > Add/Remove Windows Components. 4. Deselect the check box next to Internet Explorer Enhanced Security Configuration. 5. Restart the browser.
6746045	**Once config changes are made it is found that file ownership changes in docs directory** When a user creates a directory, adds some files and deploys them under the docs directory, the ownership of all files under this directory, changes to the owner who installed Web Server. **Workaround:** The user directories should not be created under docs directory.
6750708	**Web Server 7.0 Admin CLI does not accept multibye characters as input.** Admin CLI does not accept input strings which has multibyte or non-ASCII characters. For example, if you are entering an input value containing a non-ASCII character (Felhasználók) along with the command, the input value will be garbled as follows: `wadm>  set-authdb-prop --config=test --authdb=sajit url=ldap://test.example.com:389/ou=Felhaszn??l?? k,dc=india,dc=example,dc=com` **Workaround:** While modifying the `server.xml` file manually, to enter base DN value, you must enter the URL encoded sequence as input instead of multibyte characters. For example, enter: "Felhaszn%C3%A1l%C3%B3k" instead of "Felhasználók"

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
6722375	**The administration server throws an error as the postpatch script for patches 125437-14 and 125438-14 are not Alternate Root compliant.** **Workaround**:

1. Boot the alternate boot operating system after adding the patch to the alternate boot environment.

2. Start the administration server.

   The administration server fails to start and throws the following error message:

   ```
   java.lang.NoClassDefFoundError: com/sun/scn/client/comm/
   SvcTagException
   ```

3. Edit the Web Server postpatch script to define the ROOTDIR value as / or / space, where JES base path is given.

   ```
   bash-3.00# cat postpatch
   #!/bin/ksh

   # Copyright (c) 2007 by Sun Microsystems, Inc.
   # All rights reserved
   #

   PATH="/bin:/usr/bin:/sbin:/usr/sbin:$PATH"
   export PATH

   ROOTDIR=/

   BASEDIR="`pkgparam -R $ROOTDIR SUNWwbsvr7 BASEDIR 2>/dev/null`"
   if [ -n "$BASEDIR" ]
   then
       INSTALL_DIR="$ROOTDIR$BASEDIR/SUNWwbsvr7";
       PERLDIR="$INSTALL_DIR/lib/perl"
       if [ -f "$INSTALL_DIR/lib/wsenv" ]
       then
           . "$INSTALL_DIR/lib/wsenv";
           WS_IS_JES=1; export WS_IS_JES
   ....
   bash-3.00#
   ```

4. Run the script to complete the upgrade.

   ```
   bash-3.00# ksh /tmp/postpatch
    "//opt/SUNWwbsvr7/lib/perl/perl" -I "//opt/SUNWwbsvr7/lib/perl" -I
   "//opt/SUNWwbsvr7/lib/perl/lib" -I "//opt/SUNWwbsvr7/lib/perl/lib/
   site_perl"
   "//opt/SUNWwbsvr7/lib/upgradeServer.pl"

   bash-3.00#
   ```

   The administration server starts without any error.

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
6784450	**Unable to login to the administration server using Mozilla Firefox 3.0** **Workaround:** 1. On the Solaris 10 platform, Mozilla Firefox 3.0.4 browser, go to Edit-> Preferences-> Advanced-> Encryption-> Server tab. 2. Click Add Exceptions... 3. Enter the address of the web site you want to access in the text area and click Allow

6820164	**OpenSolaris 2008.11 Bug 4788 causes a serious impact on Web Server.**
	Web Server's certificates are affected during deployment of Web Server on OpenSolaris 2008.11, with the following warning:
	
	`root# /opt/webserver7/admin-server/bin/startserv`
	`Oracle iPlanet Web Server 7.0U4 B12/02/2008 02:49`
	`warning: CORE1235: SSL server certificate Admin-Server-Cert`
	`is not yet valid.`
	`...`
	
	An OpenSolaris Bug 4788, with time, causes this problem. For more information, see http://defect.opensolaris.org/bz/show_bug.cgi?id=4788.
	Workaround:
	Reboot your server after deploying OpenSolaris 2008.11 and correct the server time.

6842383	**FastCGI `suid` environment for Red Hat Enterprise Linux**
	To get the FastCGI `suid` environment to work on Red Hat Enterprise Linux, perform the following steps:
	1. `cd <webserver_install>/plugins`
	2. `chown webservd fastcgi`
	3. `cd fastcgi`
	4. `chmod 4755 Fastcgistub`
	5. Add the following lines in `/etc/ld.so.conf`
	
	`<webserver_install>/lib`
	`<webserver_install>/jdk/jre/lib/i365/server`
	6. Run `ldconfig`
	7. Restart Web Server
	Note: The file system where Web Server is installed and the `/tmp` directory should have permission to run the `suid` program, The file system should not be mounted with the `nosuid` option.

6893239	JDK 1.6.0 and JDK 1.5.0 logger are not working properly.

Table 2-1   (Cont.) Known Issues in Administration

Problem ID	Description
12303923	**Do not navigate to the other pages while generating a CSR** In the Web Server 7 Administration GUI, when you generate a CSR using the CSR wizard window, do not navigate to the main window or other pages to perform different operations. For example, Nodes-CA list, CRL, and Certificate details. If you browse other pages during the CSR generation process, the configuration switches from web instance to admin-server unexpectedly in the CSR wizard window. This development may cause no private key problems when you install the SSL certificate into the web instance. Make sure to complete all the transactions in the CRS wizard window before navigating to the administration GUI main window for other operations.
12721207	**After creating service through Administration GUI, the instance does not start up with system reboot due to Bug#12657657** To enable the instance to start up successfully, follow these steps:

1. After creating the service, import the manifest file. `svccfg import /var/svc/ manfest/network/http.xml`

2. `svcadm enable <your instance>` or click the start button of the instance in the Administration GUI.

3. Reboot the system `/usr/sbin/shutdown -g0 -y -i6`

4. Verify the instance status.

Steps 2 and 3 are required to complete the SMF configuration.

While working on the CLI, follow these steps:

1. `#wadm` create-service

2. `#svcadm enable svc:/network/http:https-<instance>`

3. `#svccfg validate /var/svc/manifest/network/http.xml`

4. `#svccfg import /var/svc/manifest/network/http.xml`

5. `#/usr/sbin/shutdown -g0 -y -i6`

6. Verify the instance status.

Step 3 is required to validate the manifest file.

2.2 Web Server Core Issues

The following table lists the known issues in the core of Web Server.

Table 2-2   Known Issues in Core

Problem ID	Description
6944895	**jsessionid is missing when ntrans-j2ee NameTrans precedes reverse-proxy-/ NameTrans** If the `obj.conf` contains `NameTrans` directives such that `ntrans-j2ee` precedes `reverse-proxy-/`, the `jsessionid` is lost. **Workaround** Reorder the `NameTrans` directives such that `reverse-proxy-/` precedes `ntrans-j2ee`; for example: ``` NameTrans fn="map" from="/" name="reverse-proxy-/" to="http:/" NameTrans fn="ntrans-j2ee" name="j2ee" ```
6948770	**On 64-bit Linux, cannot distinguish between 32-bit and 64-bit Web Server** The `wadm -version` command does not indicate whether Web Server is 32-bit or 64-bit. **Workaround** Enter the following command in a terminal window: ``` file install-dir/lib/webservd ```
6955106	**On Linux, exception at startup due to a non-existent jhall.jar link** During startup, Java throws a `FileNotFoundException` exception that specifies `jhall.jar` as the missing file. This situation arises after `sun-javahelp-2.0-fcs` has been uninstalled, because the uninstallation leaves a link to `jhall.jar` in `/usr/java/packages`. **Workaround** Remove the link to `jhall.jar`; for example: ``` rm -f /usr/java/packages/jhall.jar ```
6785490	**Any URI that does not end with the "real" file name fails to execute properly, resulting in a "No input file specified" error.** **For PHP users:** Web Server 7.0 Update 4 populates the environment variables `REQUEST_URI` and `SCRIPT_FILENAME` for FastCGI and CGI applications. The introduction of the `SCRIPT_FILENAME` variable causes PHP to display a `No input file specified` PHP error for scripts that are mapped to virtual URIs, that is, URLs ending with `/` instead of `/index.html` or URLs making use of Web Server 7.0's URI rewriting feature. The affected PHP versions are 5.2.5 through 5.2.9. For more information, see http://bugs.php.net/bug.php?id=47042. **Workaround:** If a PHP application is mapped to a virtual URI, then `cgi.fix_pathinfo` should be set to `0` in the `php.ini` file. This setting is required for many popular PHP applications like Drupal, Wordpress, and Joomla. However, this setting will cause PHP applications that rely on `path-info` like `/foobar.php/baz/` to return a `No input file specified` PHP error. If a PHP application relies on `path-info`, then `cgi.fix_pathinfo` should not be disabled.
6296993	**When there is an error executing an obj.conf directive, the filename and line number where the offending directive was found are not logged.**

Table 2-2   (Cont.) Known Issues in Core

Problem ID	Description
6365160	**When server.xml schema validation fails due to a data type constraint violation, it displays an error message that does not describe the set of valid values for the element.**
6378940	**All HTTP header parsing error are not logged with the client IP and a description of the error.**
6470552	**set-variable SAF could not set predefined variable.**
6489220	**Server treats non-interpolated strings that contain $$ character constants as interpolated.** When a parameter value contains a `$$ escape`, the server constructs a `PblockModel` for the parameter block. This is unnecessary because `$$` is a constant.
6977268	**HTTP Header field names are case-insensitive and all HTTP header field names will change to lowercase**

6996370	**WebServer 7.0 startup error when obj.conf has valid <If> fn="rewrite" <Else> inside**
	
	Sample <If> rule in obj.conf:
	
	<pre><If $path eq "/known.html">
	</If>
	<Else>
	NameTrans fn="rewrite" path="/unknown.html"
	</Else></pre>
	The `<If>` rules added to `obj.conf` interfere with the behavior of the server. The startup error occurs when the servlet/JSP container attempts to parse a web application's `web.xml` file. When seeking a file-system resource, `obj.conf` directives are processed (to pick up alternate document directories and so on).
	
	The rules added to `obj.conf` change every request to either `known.html` or `unknown.html`, so instead of `web.xml`, the servlet container tries to parse `unknown.html` as a `web.xml` file, resulting in the error. In addition, even if no `web.xml` exists, the `<If>` rules added to `obj.conf` change the request to `unknown.html`.
	
	Resolution:
	Prefix the `<If>` rules in `obj.conf` with `<If not internal and not restarted>`.
	Example:
	
	<pre><If not internal and not restarted>
	<If $path eq "/known.html">
	</If>
	<Else>
	NameTrans fn="rewrite" path="/unknown.html"
	</Else>
	</If></pre>

Table 2-2   (Cont.) Known Issues in Core

Problem ID	Description

12354092	**Remove HttpOnly from the Set-Cookie header value.**
	Workaround:
	Add a conditional statement in `obj.conf` file:
	
	`<If defined $srvhdrs{'set-cookie'} and $srvhdrs{'set-cookie'} =~ "(.*);`
	`HttpOnly">`
	
	`Output fn="set-variable" $srvhdrs{'set-cookie'}="$1"`
	
	`</If>`

2.3 Web Server FastCGI Issues

The following table lists the known issues in the FastCGI.

Table 2-3   Known Issues in FastCGI

Problem ID	Description
6485248	**The fastcgi stub does not properly close all the processes when reuse-connection is set to true.** Configure Web Server 7.0 to work with PHP as a FastCGI plug-in and set `reuse-connection=true`. When you shutting down the server or reconfiguring the server, the **`fastcgi()`** process and its child processes are left behind and not killed properly.

2.4 Web Server Installation Issues

The following table lists the known issues in the installation of Web Server.

Table 2-4   Known Issues in Installation

Problem ID	Description
6948019	**On UNIX, if any directory in the installation path lacks the appropriate execute privilege, server startup fails** If any of the directories in the installation path does not provide execute privilege to the `webservd` user, the Web Server instance fails to start. **Workaround** Use the `chmod o+x directory` as needed to change execute permissions to the directories in the installation path.

Table 2-4   (Cont.) Known Issues in Installation

Problem ID	Description
6414539	**Uninstalling the administration node does not delete itself from the administration server node.** After installing the administration node and registering it with the administration server in the Node tab, the administration node is listed in the Node tab. When the administration node is uninstalled, the administration node entry remains in the Node tab.
6287206	**Cannot install if the setup is started from a shared folder on the network.** On the Windows platform, unable to install the product when the installer `setup.exe` is started from a shared network folder on another machine.
6311607	**On Windows, installer crashes in CLI mode, if the administration password is >= 8 characters.** If the administration user password is greater than eight characters, then any invalid input to the administration port, Web Server port, or the administration user ID crashes the installer. **Workaround**: When installing Web Server 7.0 on the Windows platform using the command-line interface (CLI), the administration password must be set to less than (<) eight characters.
6408072	**On Windows, need icons for objects in Programs folder.** The objects in the Web Server 7.0 folder on Windows are created with default Windows program icons and do not have specific icons that denote Sun programs.
6492144	**The CLI installer does not handle ctrl+c while entering the password.** The installer does not accept `ctrl+c` and hence the terminal becomes unusable.
6710925	**RH5.1 user cannot install Web Server 7.0 Update 3 using GUI mode** **Workaround** To overcome this failure: 1. Use the CLI based installer. 2. Create a symbolic link to the `xdpyinfo` command. For example, `[root@server bin]# ln -s /usr/bin/xdpyinfo /usr/X11R6/bin/xdpyinfo`
6717123	**Registration Options panel UI sometimes is not displayed properly** The 'Registration Options' GUI in the installer is not displayed properly sometimes. **Workaround:** Resize the installer window.

Table 2-4   (Cont.) Known Issues in Installation

Problem ID	Description
| 12306018 | `.exe` **files cannot be downloaded properly in Web Server 7 default configuration**. <br> **Workaround**: <br><br> 1. Go to the instance configuration and edit the `mime.types` file. <br> Before editing the `mime.types` file, it is displayed as: <br><br> ```
type=application/octet-stream              exts=bin
type=magnus-internal/cgi                   exts=cgi,exe,bat
``` <br> After editing the `mime.types` file, it is displayed as: <br><br> ```
type=application/octet-stream              exts=bin,exe
type=magnus-internal/cgi                   exts=cgi,bat
``` <br><br> 2. Use `wadm pull-config` or Administration GUI to synchronize the manual change to the Administration Server. <br> 3. Restart the Web Server and download with the `.exe` file type. |
| 19826946 | **Windows patch requires VC9 runtime libraries.**
 The Oracle iPlanet Web server 7.0.20 Windows patch requires the VC9 runtime libraries. |

2.5 Web Server Migration and Upgrade Issues

The following table lists the known issues in the migration and upgrade areas of Web Server.

Table 2-5   Known Issues in Migration and Upgrade

Problem ID	Description

6932016	**Verisign EV certificate chain issue with new built-in CA root.**
	
	If you are using 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 7.0 to Web Server 7.0 Update 6 or later.
	
	Workaround
	
	1. Stop Web Server.
	
	2. Change to the `config` directory of the Web Server instance.
	
	`cd instance-dir/config`
	
	3. List the Root Certs module.
	
	`modutil -list -nocertdb -dbdir .`
	
	4. Delete the Root Certs module.
	
	`modutil -dbdir . -delete 'Root Certs'`
	
	5. Confirm that the Root Certs module is deleted.
	
	`modutil -list -nocertdb -dbdir .`
	
	6. Start Web Server.
	
	Note: This workaround is also applicable to any new configuration that is designed to use 2048-bit SSL web server certificates.

6914893	**Not all properties from 6.0 jvm12.conf file are migrated to 7.0 server.xml file** When migrating from Sun iPlanet Web Server 6.0 to Oracle iPlanet Web Server 7.0, properties in the 6.0 `jvm12.conf` file of the form `name = value` are not migrated as JVM options to the 7.0 `server.xml` file. Only the properties listed in *jvm12.conf Parameter Reference* in *iPlanet Web Server 6.0, Enterprise Edition Programmer's Guide to Servlets* are migrated. **Workaround** Migrate these properties' values manually. To do so, use Elements in server.xml in *Oracle iPlanet Web Server 7.0.9 Administrator's Configuration File Reference* to locate the `server.xml` element or subelement that corresponds to the `jvm12.conf` property you are migrating, and transfer the value to the `server.xml` file.
6407877	**Incorrect migration occurs while migrating from Web Server 6.0 to 7.0 if the installed.pkg file is not found.** In Web Server 6.0 to 7.0 migration, if the `installed.pkg` file is missing, Web Server incorrectly migrates the `NSServlet` entries in the `magnus.conf` file.
6490124	**6.x -> 7.0: Migrated scheduled events still points to 6.x paths in the server.xml file.**
6502529	**6.1->7.0: Migration does not handle relative path set for search-collection-dir correctly.** During instance migration, specifying a relative path for the target path into which the search collections should be copied, results in the search collection directory being created with respect to the `config-store`. When the instance is instantiated, the indexes are created without properly migrating the search collections.
6502769	**6.x->7.0: Migration ignores any "document-root" NameTrans specified in the obj.conf file.**

Table 2-5   (Cont.) Known Issues in Migration and Upgrade

Problem ID	Description
6498806	**On Windows, Web Server Admin Console does not appropriately warn users during migration.** The administration server does not detect if the selected new configuration or the service name already exists on Windows and hence does not appropriately warn the users to select a different configuration name or suggest a different configuration name as default.
6500509	**Web Server 7.0 migration tool cannot successfully migrate from Web Server 6.1 if it has Root Certs installed in it.**
6747123	**The request processing behavior has changed in Web Server 7.0 Update 2 release.** This change does not manifest while using Web Server 7.0 Update 2 RPP. A modification in Web Server's request processing engine to fix a significant error in Web Server, has changed the order in which Web Server processes objects and directives in the server's `obj.conf` file. This correction now guarantees that the following rules are applied while processing a request: • All `ppath` objects that apply to a request are evaluated • If there is a named object that applies to a request, it will take precedence over any `ppath` objects in cases where the two conflict. If your `obj.conf` file contain `ppath` objects, evaluate them to determine if your `obj.conf` file requires any modification. As a consequence of this change in the request processing behavior, when you upgrade previous Web Server versions to Web Server 7.0 Update 2, or later, you may have to make minor changes to the `obj.conf` files, as described after this table.

Handling the request processing behavior change in Web Server 7.0 Update 2

As a consequence of the change to the request processing behavior, when you upgrade previous Web Server versions to Web Server 7.0 Update 2 or later, you may have to make minor changes to the `obj.conf` files, as follows:

1. **Using IF directive**

   In the following example, directives contained in the `ppath` objects will not be invoked when an explicit JSP extension is found in the request URI, as the `ntrans-j2ee` NameTrans SAF will apply to a JSP extension and cause the object named `j2ee` to be evaluated next. The WebLogic proxy service used here to forward requests to the WebLogic server is no longer invoked, although there are no modifications made to the `obj.conf` file. As a result, Web Server sends the request to it's own web container, instead of the WebLogic proxy, resulting in failure of the request.

   In the `obj.conf` file, default object, add a conditional statement to the `ntrans-j2ee` service with the problem URIs, as follows:

   ```
   <Object name="default">
   AuthTrans fn="match-browser" browser="*MSIE*" ssl-unclean-shutdown="true"
   #
   #Adding <IF...> and </IF> bracketing to compensate
    for change in ppath processing
   #
   <IF $uri !~ ".*WebApp/.*" >
   NameTrans fn="ntrans-j2ee" name="j2ee"
   ```

```
PathCheck fn="find-index-j2ee"
ObjectType fn="type-j2ee"
Error fn="error-j2ee"
</IF>
....
....
<Object name="j2ee">
Service fn="service-j2ee" method="*"
</Object>

<Object ppath="*/examplesWebApp/*" >
Service fn=wl_proxy WebLogicHost=jwsse10.red.iplanet.com WebLogicPort=7001
</Object>

<Object ppath="*/ejemploWebApp/*">
Service fn=wl_proxy WebLogicHost=jwsse10.red.iplanet.com
 WebLogicPort=7002
</Object>
</Object>
```

This allows the`ntrans-j2ee` to be executed only when the URI's do not match.

2. **Using`assign-name` NameTrans**

In simple scenarios, you can change`ppath` objects to`name` objects by using`assign-name` in the default object. This allows the`assign-name` to be executed ahead of`ntrans-j2ee`.

```
<Object name="default">
NameTrans fn="assign-name" from="/examplesWebApp/*" name="examples_proxy"
NameTrans fn="assign-name" from="/ejemploWebApp/*" name="ejemplo_proxy"
NameTrans fn="ntrans~j2ee" name="j2ee"
....
....
</Object>

<Object name="j2ee">
Service fn="service-j2ee" method="*"
</Object>

<Object name="examples proxy" >
Service fn=wl_proxy WebLogicHost=jwsse10.red.iplanet.com WebLogicPort=7001
</Object>

<Object name="ejemplo proxy">
Service fn=wl_proxy WebLogicHost=jwsse10.red.iplanet.com WebLogicPort=7002
</Object>
```

3. **Disabling**

Turning off Java Web container support on Web Server will ensure that the JSPs will be handled by WebLogic proxy function. However, this is only suggested when you do not intend to host Java content in the proxying tier.

2.6 Web Server Sample Applications Issues

The following table lists the known issues in Sample Applications of Web Server.

Table 2-6   Known Issues in Sample Applications

Problem ID	Description
6472796	**sendmail.jsp shows incorrect file to be edited to specify resource.host for javamail sample application.** **Workaround** To set `javamail.resource.host`, edit the `javamail.build.properties` and not the `build.xml` as specified in *install-dir*`/samples/java/webapps/javamail/src/docroot/sendmail.jsp`.

2.7 Web Server Search Issues

The following table lists the know issues in the search functionality of Web Server.

Table 2-7   Known Issues in Search

Problem ID	Description
6943388	**Building a search collection hangs when the number of documents is large** When building a search collection for a large number of documents, the process hangs. This situation arises because the processing of each document is handled by a new thread, each consuming heap space. **Workaround** Increase the Java heap size using the `-Xmx` option. For example, you might increase the heap size from 128 MB (`-Xmx128m`) to 512 MB (`-Xmx512m`).
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.

2.8 Web Server Security Issues

The following table lists the known issues in the security area of Web Server.

Table 2-8   Known Issues in Security

Problem ID	Description
6376901	**Limitation supporting basic and digest-based ACLs for resources in the same directory.** If the server uses digest and basic-based ACLs in different parts of their doc tree, attempting to use both simultaneously on different files or resources in the same directory is not possible.

Table 2-8 (Cont.) Known Issues in Security

Problem ID	Description
6431287	**TLS_ECDH_RSA_* require the server cert signed with RSA keys.** Cipher suites of the form `TLS_ECDH_RSA_*` requires server to have an ECC keypair with a cert signed using RSA keys. Note that this precludes using these cipher suites with self-signed certificates. This requirement is inherent to these cipher suites and is not a bug. The server should detect and warn about wrong configurations related to these cipher suites but currently it does not do so.

13493902	**Changing the `htpasswd` file when the web server is running.**
	
	The `htpasswd` file must be changed to ensure correct htaccess behavior for the time duration during which the `htpasswd` is running.
	
	Workaround
	
	To dynamically change the `htpasswd` file, do the following:
	
	1. Run the command `cp.httpasswd htpasswd.new`
	
	2. Make changes in `htpasswd.new` using the `htpasswd command htpasswd htpasswd.new` *username [password]*
	
	3. Copy `htaccess` to a new file.
	Example:
	`cp htaccess htaccess.new`
	
	4. Go to the `htaccess.new` file and change the name of the file.
	Example:
	`AuthUserFile /protected/directory/htpasswd.new`
	
	5. Go to the `obj.conf` file and add the following directive:
	`PathCheck fn="htaccess-find" filename="htaccess.new"`
	
	6. Reconfigure the web server instance by running the command `$bin/reconfig`
	
	This is a safe procedure to change the `htpasswd` file because the files cannot be accessed when you are editing or changing the files. New files can be accessed only after reconfiguration.
	
	Note that after reconfiguration the existing requests continues to be processed with the original htpasswd definition. Only new requests use the new `htpasswd` definition.

2.9 Web Server Session Replication Issues

The following table lists the known issues in the session replication functionality of Web Server 7.0.

Table 2-9   Known Issues in Session Replication

Problem ID	Description
6324321	**Descriptive error message is not displayed when an error occurs remotely.**
	When an exception occurs remotely, error messages are logged in the error log of the remote instance. However, the local instance currently displays a generic remote exception which does not clearly indicate which error log that the user must view.
6396820	**Session replication does not failover correctly when cookies are disabled on the client.**
6406176	**When enabled, session replication should be the default session manager.**
	After enabling session replication by using the Admin Console or the CLI, or by editing the `server.xml` file, session replication is not really enabled. Instead, `sun-web.xml` needs to be manually edited.
6800993	**A minor data loss occurs, as `async` cluster is not available.**
	It is observed that a small amount of http session data loss can occur in few cases. Asynchronous implementation, by using asnyc parameter, in session failover might resolve this issue.

2.10 Web Server Web Container Issues

The following table lists the known issues in the web container of Web Server.

Table 2-10   Known Issues in Web Container

Problem ID	Description
4858178	**Web container writes to stderr.**
6349517	**Incorrect web application session statistics for MaxProcs > 1 mode.**
	Web Server runs in multi-process mode. The `MaxProcs` configuration variable in the `magnus.conf` is used to set the maximum number of processes. If the value for `MaxProcs` is set to greater than 1, Web Server uses `mmap`-based session manager so that the session could be shared among different JVMs. While collecting statistics from multiple processes, web application MBeans provide session for individual MBeans. There is no way to find the true number of sessions by seeing individual MBean's web application session statistics.
6394715	**Web container deletes the disabled web application MBeans object.**
	When the web application is disabled by setting the `<enabled>` element to false in the `server.xml` file, the web container deletes the web application's MBeans and hence treats it as a closed or deleted web application. Since disabled objects are deleted, statistics are also lost.
6419070	**No information is logged in error logs at the finest log level on successful JNDI resource creation.**
6422200	**com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse does 1 byte reads.**
	When reading the `server.xml` file, the first line containing the XML version number and the encoding is read 1 byte at a time.
6440064	**Servlet container creates a thread per virtual server.**

Table 2-10   (Cont.) Known Issues in Web Container

Problem ID	Description
6501184	**REQ_EXIT causes javax.servlet.ServletException.**
16003618	**Signaturetest of servlet/JSP TCK fails with JDK 7** The `signaturetest` included in both the Servlet TCK and JSP TCK fails with Oracle iPlanet Web Server 7.0 when JDK 7.0 is used.

2.11 Web Server Localization Issues

The following table lists the known issues in the localized version of Web Server.

Table 2-11   Known Issues in Localization

Problem ID	Description
6543814	**Search filter "*" does not work correctly for multibyte strings.**
5046634	**There is no functionality equivalent to `use-responseCT-for-headers` in Web Server 7.0.** Response header encoding is enabled at the `web-app` level by setting the value of the configuration parameter `use-responseCT-for-headers` to any of the values; `yes`, `true`, or `on` in the `web-app/sun-web.xml` file. For example, set Response header encoding as follows: ``` <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> ```
6716537	**Creating socket error message is not localized.**

Table 2-11   (Cont.) Known Issues in Localization

Problem ID	Description

6775946	**patchrm 125437-15 fails if they are installed in Japanese locale.**
	
	Installing patchrm 125437-15 in Japanese locale fails and throws the following error:
	
	`WARNING: patchrm returned <7>`
	
	The log file output is as follows:
	
	`/var/tmp/dstreAAAW0a4wU/SUNWwbsvr7x/install/checkinstall:`
	`XXXXXXXXXXXXXXXXXXXX 4: ` `` `(' unexpected pkgadd:`
	`ERROR: checkinstall script did not complete successfully`
	`Installation of <SUNWwbsvr7x> partially failed.`
	
	This issue is observed on the following platforms:
	• SPARC Platform - Solaris 10 with patch 119254-40 through 119254-47 and without 119254-48
	• x86 - Solaris 10 with patch 119255-40 through 119255-47 and without 119255-48
	Workaround:
	
	1. Avoid installing the affected patches listed earlier. If these patches are already installed, you can remove them by using the `patchrm(1M)` command to return to a safe patch level.
	
	2. Avoid installing patches with Japanese locale.
	For more information, see http://sunsolve.sun.com/search/document.do?assetkey=1-26-103104-1.
	
	3. Apply patch 119254-48 or higher on Solaris 10 SPARC platform and patch 119255-48 or higher on Solaris 10 x86 platform.

2.12 Web Server Sun Java Enterprise System Issues

The following table lists the known issues in the Sun Java Enterprise System (Java ES).

Table 2-12   Known Issues in Java ES

Problem ID	Description

6432106	**Sun Java System Portal Server search throws exception after Web Server upgrade.**
	
	Portal Server search functionality throws exception when upgrading Web Server from Java ES 4 to Java ES 5.
	
	Workaround
	
	Note: Move the existing `libdb-3.3.so` and `libdb_java-3.3.so` library files to an appropriate location, somewhere outside Web Server's private directories. Once the Portal Server libraries are in a suitable location, that path must be specified for the *<libdb-3.3.so path>*:*<libdb_java-3.3.so path>* in the following commands.
	
	On Solaris platform, perform the following steps:
	
	1. Copy the `libdb-3.3.so` and `libdb_java-3.3.so` files from Web Server 6.1 `lib` directory to an appropriate location.
	
	    Note: For HP-UX, the files are `libdb-3.3.sl` and `libdb_java-3.3.sl`. For windows, the files are `libdb-3.3.dll` and `libdb_java-3.3.dll`.
	
	    Caution: Do not copy the library files to Web Server 7.0 private directories (For example, `lib` directory).
	
	2. Create a directory (`mkdir`) by name `/portal_libraries`. Copy the library files `libdb-3.3.so` and `libdb_java-3.3.so` to `/portal_libraries`.
	
	3. Use the `wadm` command to inform Web Server about the location of the library files.
	
	4. Get the current native library path setting by typing the following Admin CLI command:
	
	    ``
	get-jvm-prop -user=admin --config=hostname native-library-path-
	prefix
	``
	
	    Save the output.
	
	5. Append `the copied libdb-3.3.so` and `libdb_java-3.3.so` path to the existing native library path by typing the following Admin CLI command.
	
	    ``
	set-jvm-prop --config=hostname native-library-path-prefix=<existing
	native library-path>:</portal-libraries-path>
	``
	
	    where, *portal-libraries-path* is the location of where you copied the `libdb-3.3.so` and `libdb_java-3.3.so` files in Step 1.
	
	    If you do not get any results or output for the `get-jvm-prop` command, at the command prompt, set the *native-library-path-prefix*:
	
	    ``
	native-library-path-prefix=</portal-libraries-path>
	``
	
	6. **Note:** For Windows platform, use ';' as the separator for `native-library-path-prefix` parameter as follows:
	
	    ``
	native-library-path-prefix=<existing native libarary path>;<portal-
	libraries-path>
	``
	
	    For non-Windows platform, use the ':' as the separator for `native-library-path-prefix` parameter as follows:
	
	    ``
	native-library-path-prefix=<existing native libarary path>:<portal-
	libraries-path>
	``
	
	7. Deploy the modified configuration by typing the following command:
	
	    ``
	deploy-config [--user=admin-user] config-name
	``

Table 2-12   (Cont.) Known Issues in Java ES

Problem ID	Description
6504178	**Migration logs reports a bogus "root is not a valid user" message on Java ES 5.** While migrating from Java ES 4 to Java ES 5 on UNIX platforms, the migration log file reports `WARNING: "root is not a valid user"`. This is incorrect as the "root" user is valid on that host.
6453037	**A lot of warnings/info messages displayed at Web Server startup on the standard output instead of routing these messages to the log file.**

3

Product Documentation

The Oracle iPlanet Web Server 7.0 documentation is provided in the following formats:

- Manuals: You can view the Oracle iPlanet Web Server 7.0 manuals and release notes in HTML and in PDF formats.

- Online help: Click the **Help** button in the graphical interface of the product to view context-sensitive help.

Oracle iPlanet Web Server 7.0.9 is the last release for which the entire documentation set for 7.0 was updated. Subsequent to the 7.0.9 release, updates and corrections to Oracle iPlanet Web Server 7.0 documentation are provided in this Release Notes document; see Documentation Corrections, Enhancements, and Issues Resolved.

This chapter contains the following sections:

- Web Server Documentation Set

- Documentation Corrections, Enhancements, and Issues Resolved

- Documentation, Support, and Training

3.1 Web Server Documentation Set

The Web Server documentation set describes how to install and administer the Web Server.

For an introduction to Web Server, refer to the books in the order in which they are listed in Table 3-1.

Table 3-1   Web Server Documentation

Document Title	Contents
Oracle iPlanet Web Server Release Notes (this document)	- Late-breaking information about the software and documentation - Supported platforms and patch requirements for installing Web Server
Oracle iPlanet Web Server Installation and Migration Guide	Performing installation and migration tasks: - Installing Web Server and its various components - Migrating data from Sun ONE Web Server 6.0 or Sun Java System Web Server 6.1 to Oracle iPlanet Web Server 7.0

Table 3-1   (Cont.) Web Server Documentation

Document Title	Contents
Oracle iPlanet Web Server Administrator's Guide	Performing the following administration tasks: • 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 Platform, Enterprise Edition (Java EE) security features • Deploying applications • Managing virtual servers • Defining server workload and sizing the system to meet performance requirements • 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
Oracle iPlanet Web Server Troubleshooting Guide	Using programming technologies and APIs to do the following: • Extending and modifying Web Server • Dynamically generating content in response to client requests and modifying the content of the server
Oracle iPlanet Web Server NSAPI Developer's Guide	Creating custom Netscape Server Application Programmer's Interface (NSAPI) plug-ins
Oracle iPlanet Web Server Developer's Guide for Java Web Applications	Implementing Java Servlets and JavaServer Pages (JSP) technology in Web Server
Oracle iPlanet Web Server Administrator's Configuration File Reference	Editing configuration files
Oracle iPlanet Web Server Performance Tuning, Sizing, and Scaling Guide	Tuning Web Server to optimize performance
Oracle iPlanet Web Server Command-Line Reference	Administration commands that allow you to administer Web Server through the CLI

3.2 Documentation Corrections, Enhancements, and Issues Resolved

The following table lists the corrections and enhancements to the Oracle iPlanet Web Server 7.0.9 documentation, and documentation issues resolved.

Issue ID	Description
6932016	How to work around the Verisign EV cert chain issue with a new built-in CA root. See Web Server Migration and Upgrade Issues.
6965828	Clustered instances must be synchronized before accepting a request after restarting. See Additional Information About Configuring a Web Application for Session Replication.
6968560	Document how to upgrade a certificate chain. See Updating a Certificate Chain.
6971148	Change security context for JDK libraries on SELinux. See Issues Resolved in 7.0.9.
6977258	CR6611067 in WS7.0 release notes not correct. See Issues Resolved in 7.0.9.
6977268	All request header names are returned as lowercase. See Web Server Core Issues.
6989578	Incorrect reference to remove SUNWlxml package from the system in 7.0 release notes. See Solaris 10 (SPARC and x86) Patches.
6989830	Link to "Supported Virtualization Technologies with Oracle Fusion Middleware" is not correct. See System Virtualization Support.
6991930	GDD document has multiple typos in the "Hung or Unresponsive" chapter. See Corrections to the Procedure for Gathering Debug Data on a Hung or Unresponsive Web Server Process.
6993379	Java ES installation and upgrade notes need a correction. See Installation, Migration, and Upgrade Notes.
6993705	Timeout parameter should be described in the `http-client-config` table list. See Information About `timeout` Parameter of `http-client-config`.
6994415	`%duration%` measured in milliseconds in Red Hat Linux (doc mentions microseconds). See Clarification About Unit of Time Used for the%duration% Log Parameter.
6996370	Web Server 7.0 startup error when `obj.conf` has valid `<If> fn="rewrite" <Else>` inside. See Web Server Core Issues.
7022621	JDK versions supported for WS7 See Supported JDKs.
12306447	Docs need to provide information on how to protect a resource. See Information About Securing a URI Using an Authentication Database.
12777290	Doc has the incorrect `-d` `"com.iplanet.ias.server.logging.serverlogmanager"`. See Correction to JVM Option Example.
12989862	Fix request for 6932016 should add info regarding 7003615. See problem ID 6932016 in Table 2-5.

Issue ID	Description
13011275	Add minimum required memory and minimum recommended disk space to release notes. See Supported Platforms.
13540300	Doc bug regarding default value of keep-alive threads. See Correction to Default Number of Keep-Alive Threads.
13560430	Description of limit queue length not correct. See Clarification About the Limit Queue Length Shown in the perfdump Report.
13889880	7.0.13 patch causes problems with F5-BigIP. See TLS Communication Through Certain Load Balancers Breaks in 7.0.13 and Later Releases.
14512832	Search collections does not support PDF 9.0. See Search Collections Does Not Support PDF 9.0.
12068601	Information about the `htpasswd` command. See Information about the htpasswd Command.
14469503	Create `.noStartOnBoot` file to control autostart. See Create .noStartOnBoot File to Control Autostart.
14664654	The information about the parameter `max-procs` is no longer valid. See Invalid Information About the Parameter max-procs.
16576024	The button to copy the configuration is called Dupliacte not Copy. See The Button to Copy the Configuration is called Duplicate not Copy.
16589719	Information about the sticky cookie parameter. See Information on the Sticky Cookie Parameter.
16758897	Unable to create an ACL based on the incoming referrer header. See Unable to Create an ACL Based on the Incoming Referrer Header.
17835893, 17888070, 17920072	New configuration option for get/set properties in auth.db. See New Configuration Option to Get/Set Properties in the auth-db.
18278817	Lists the components you can use with a custom log format. See Components for Use with Custom Log Format.
21744964	Information about the io-timeout element for HTTP Settings. See Information about the `io-timeout` Element for HTTP Settings.
21440256	Information about the NetWriteTimeout Parameter. See Information about the `NetWriteTimeout` Parameter.
15963420	Information about default value of ssl3-tls-cipher suite. See Default Value of ssl3-tls-cipher Suite.

3.2.1 Updating a Certificate Chain

The information in the section in Installing a Certificate Chain in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide* is applicable to *updating* certification chains as well. So the title of the section should be "Installing or Updating a Certificate Chain".

3.2.2 Corrections to the Procedure for Gathering Debug Data on a Hung or Unresponsive Web Server Process

The *Sun Gathering Debug Data for Sun Java System Web Server* technical note contains errors in "To Gather Debug Data on a Hung or Unresponsive Web Server Process", specifically in Step 5 of the procedure.

The following is the corrected Step 5.

5. Run the following commands and save the output.

Solaris:

```
ps -ef | grep server-root
vmstat 5 5
iostat [ -t ] [ interval [ count ] ]
top
uptime
```

HP-UX:

```
ps -ef |grep server-root
vmstat 5 5
iostat [ -t ] [ interval [ count ] ]
top
sar
```

Linux:

```
ps -aux | grep server-root
vmstat 5 5
top
uptime
sar
```

Windows:

1. Obtain the WEB process PID:

    ```
    C:\windbg-root>tlist.exe
    ```

2. Obtain the process details of the WEB running process PID:

    ```
    C:\windbg-root>tlist.exe web-pid
    ```

3.2.3 Clarification About Unit of Time Used for the%duration% Log Parameter

According to Using the Custom Log File Format of *Oracle iPlanet Web Server 7.0.9 Administrator's Configuration File Reference*, the `%duration%` log parameter indicates the time Web Server spent handling the request in *microseconds*.

Note the following clarification:

*   On Solaris and AIX, Web Server calculates *and* records the time in microseconds.

*   However, on Windows, HP-UX, and Linux, Web Server calculates the time in milliseconds and records it in microseconds.

3.2.4 Additional Information About Configuring a Web Application for Session Replication

The Configuring a Web Application for Session Replication section of *Oracle iPlanet Web Server 7.0.9 Administrator's Guide* describes the procedure to enable the server to replicate sessions.

The first step in the procedure is to modify the `session-manager` element in the `sun-web.xml` configuration file. When doing so, you must, in addition, set the `reapIntervalSeconds` property to 1 second, as shown in the following example:

```
<sun-web-app>
    <session-config>
        <session-manager persistence-type="replicated">
            <manager-properties>
                <property name="reapIntervalSeconds" value="1"/>
            </manager-properties>
        </session-manager>
    </session-config>
</sun-web-app>
```

Setting `reapIntervalSeconds` to 1 second ensures that session data is not missed during session failover; that is, clustered instances are synchronized after restarting before new requests are accepted.

For more information about `reapIntervalSeconds`, see manager-properties Element in *Oracle iPlanet Web Server 7.0.9 Developer's Guide to Java Web Applications*.

3.2.5 Information About `timeout` Parameter of `http-client-config`

Table 7–60 http-client-config Parameters of *Oracle iPlanet Web Server 7.0.9 Administrator's Configuration File Reference* does not list the `timeout` parameter, which can be used to configure the Web Server to time out after a specified duration.

The `timeout` parameter can be configured by using the `http-client-config` ObjectType function in `obj.conf` as follows:

```
ObjectType fn="http-client-config" timeout="value"
```

This configuration parameter instructs the reverse proxy to close the connection to the origin server if the origin server does not respond to a request within the specified `timeout` period. Note that this parameter does not signify that the request has to be **completed** within the `timeout` period.

The default value of the `timeout` parameter is 300 seconds.

For more information about reverse proxy configuration, see `http://docs.oracle.com/cd/E19146-01/821-1828/ghquv/index.html`.

3.2.6 Introducing `exclude-escape-chars` Parameter in `http-client-config`

Oracle iPlanet Web Server escapes many characters. The `exclude-escape-chars` parameter can be used to avoid escaping specific characters such as, `% & " < > \r \n + * '`

The `exclude-escape-chars` parameter can be configured by using the `http-client-config` ObjectType function in `obj.conf` as follows:

```
ObjectType fn="http-client-config" exclude-escape-chars="+%"
```

3.2.7 PID File Disappears in Red Hat Linux

The PID file disappears in the Red Hat Linux operating system and the sever cannot be stopped. To overcome this situation, change the `temp-path` value in the `server.xml` file to a location where the server user has exclusive rights, as shown in the following example:

```
<temp-path>/var/tmp/https-test-73d21d24</temp-path>
```

Another option to resolve this situation is to exclude the `temp-directory` in the `tmpwatch` program.

3.2.8 Token Name

The token name that is used for `password-file` option in `wadm` CLI must be in small letters, as shown in the following example.

```
wadm_internal
```

3.2.9 Using SMF on Solaris 10

It is recommended that if you choose to use SMF to control the administration server, you must make sure that you have to use SMF for managing all other instances as well. This will enable all instances to be controlled independently.

3.2.10 Problem with `set-cookie` Header

Starting from the 7.0.9 release, the `set-cookie` header value is being appended by `;HttpOnly` due to a security reason. However, if you do not wish to append `;HttpOnly` to the `set-cookie` header, use the following process:

Set the `httponly-session-cookie` property of the `servlet-container` element in `server.xml` configuration file to `false`:

A new property named `httponly-session-cookie` has been added to `servlet-container` element of the `server.xml` configuration file. By default, this property is `true` and `;HttpOnly` will be appended to `set-cookie` header. When this flag is set to `false`, `;HttpOnly` is not appended. You can set this property by using the `set-servlet-container-prop` CLI command or the Servlet Container page of the administration console.

3.2.11 Information About Securing a URI Using an Authentication Database

Managing Users and Groups in the *Oracle iPlanet Web Server 7.0.9 Administrator's Guide* describes how to create authentication databases and how to create users and groups. However, it does not describe how to use an authentication database to secure a URI.

To secure a URI (say `/docs`) by using an authentication database (say `authdb_docs`), create an ACL for the configuration, or for a virtual server, with `/docs` as the URI and `authdb_docs` as the authentication database, as described in `http://docs.oracle.com/cd/E19146-01/821-1828/gczyo/index.html`.

3.2.12 Correction to JVM Option Example

In the section Adding a JVM Option of the *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*, the following JVM option that is provided as an example is incorrect:

`-Djava.util.logging.manager=com.`**`iplanet`**`.ias.server.logging.ServerLogManager`

The correct option is the following:

`-Djava.util.logging.manager=com.`**`sun`**`.webserver.logging.ServerLogManager`

3.2.13 Correction to Default Number of Keep-Alive Threads

The *Oracle iPlanet Web Server 7.0.9 Administrator's Configuration File Reference* shows the default value of the number of keep-alive threads as 1. That value is not correct.

The default value of the number of keep-alive threads is set to the number of processors in the system.

3.2.14 Clarification About the Limit Queue Length Shown in the perfdump Report

The *Oracle iPlanet Web Server 7.0.9 Performance Tuning, Sizing, and Scaling Guide* describes the Limit Queue Length parameter shown in the `perfdump` report, incorrectly, as "maximum size of the connection queue".

Note that Limit Queue Length is the limit on the maximum number of connections queued. This limit depends on the availability of file descriptors.

3.2.15 TLS Communication Through Certain Load Balancers Breaks in 7.0.13 and Later Releases

When you use certain load balancers, like F5 Networks' BIG-IP, to distribute client requests to Oracle iPlanet Web Server 7.0.13 (and later releases), 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 7.0.13 (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 7.0.13 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.

3.2.16 Search Collections Does Not Support PDF 9.0

A search collection indexes and stores information about documents (.html,.htm,.txt and.PDF)on the server. Once the server administrator indexes all or some of a server's documents, information such as title, creation date, and author is available for searching.

Note that PDF documents of version 9.0 or later versions are not supported for search collections.

For more information, see the *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

3.2.17 Information about the htpasswd Command

The `htpasswd` command is used to generate or modify a password file suitable for use with the `htaccess` access control mechanism.

The `htpasswd` usage is as follows:

```
htpasswd [-c] passwordfile username [password]
```

In this command, `-c` creates a new `passwordfile` (overwriting an old one if it exists). Without `-c`, the command modifies the existing file by either updating the user's password (if user already exists) or adding a new user with the given name. If the optional password argument is not specified, the command prompts interactively for the password.

> ✎ **Note:**
>
> `htaccess` is not the preferred access control mechanism in Web Server.
> Wherever possible, use ACLs instead.

3.2.18 Create .noStartOnBoot File to Control Autostart

By default, the scripts that are created, as described in the *Oracle iPlanet Web Server 7.0.9 Installation and Migration Guide*, will start up all web server instances.

You can control the automatic starting of a specific web server instance, by creating the file `.noStartOnBoot` under the root directory of that instance.

3.2.19 Invalid Information About the Parameter max-procs

The FastCGI section of *Oracle iPlanet Web Server 7.0.9 Administrator's Guide* contains information about the parameter `max-procs`:

This parameter is not valid. The information about the `max-procs` parameter should be ignored.

3.2.20 The Button to Copy the Configuration is called Duplicate not Copy

According to the section, Resolving Service ID Conflicts on Windows of the *Oracle iPlanet Web Server 7.0.9 Installation and Migration Guide*, the **Copy** button on the Admin Console Configurations page can be used to copy the configuration.

Note that the name of the button is **Duplicate** not **Copy**.

3.2.21 Information on the Sticky Cookie Parameter

The section Configuring Reverse Proxy in Web Server of the *Oracle iPlanet Web Server 7.0.9 Migration Guide*, contains information about the reverse proxy configuration. The following is the additional information on the sticky cookie parameter:

- When you are configuring the sticky load balancing, you must correctly identify the name of the session cookie as used by the backend server, and use the same as the value to the `sticky-cookie` parameter to the `set-origin-server` SAF. The default value of `sticky-cookie` is `JSESSIONID`. If the backend server is using a different sticky cookie name, the `sticky-cookie` parameter value should be set accordingly and not use the default name.

- An irregular HTTP response from a backend server can force the Route subsystem to assume the backend to have gone 'bad' and mark the it as offline. For example, a backend server sending a response with a mismatching content-length. In such a case the sticky cookie load balancing can break.

3.2.22 Unable to Create an ACL Based on the Incoming Referrer Header

According to the section To Create an ACL of the *Oracle iPlanet Web Server 7.0.9 Developer's Guide*, it is possible to create an ACL based on the 'Referer' header in the incoming request.

> **✎ Note:**
>
> The header is called **Referrer** and not **Referer**.

When an ACL is configured within the Web Server to use the 'Referrer' header in the incoming request, the request fails and you get the following error message:

```
09/Jan/2013:08:32:55] security (18472): for host 1.2.3.4 trying to GET /index.html,
acl-state reports: HTTP5187: access of/prods/web/709/https-referer_acl/docs/
index.html denied because evaluation ofACL uri=/index.html directive 2 failed
```

Workaround:

The functionality to use the 'Referrer' header in an incoming request in the processing of an ACL is not built into the core functionality of the Web Server. The functionality is provided in one of the sample plugins that ship with the product:

For example, for Oracle iPlanet Web Server 7.0: `/<server_root>/samples/nsacl`.

With Oracle iPlanet Web Server 7.0, the samples are not installed by default. They have to be manually selected during the installation of the product. Do the following to install the NSAPI sample plugin:

1. Build the `NSAPI` sample plugin `nsacl`. The environment must be setup with a compiler in the following path:

    a. `cd /<server_root>/samples/nsacl`

    b. `gmake`

2. To install the sample plugin in the Web Server, do the following:

    a. Edit the `magnus.conf` file to include:

    ```
    Init fn="load-modules" shlib="/prods/web/709/samples/nsacl/example.so"

    funcs="las_ref_init"

    Init fn="acl-register-module" module="lasref" func="las_ref_init".
    ```

    b. Deploy the manual changes.

    c. Restart the Web Server.

3. Create the ACL entry.

    a. To edit either the `default.acl` file or the `acl` file for the relevant virtual server, do the following:

    ```
    acl "uri=/index.html";
    authenticate (user,group)
    {database = "keyfile";
    method = "basic"; };
    deny (all)
    user = "anyone";
    allow (all)
    referrer = "test";
    ```

    b. Deploy the manual changes.

    c. Restart the Web Server

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> **✎ Note:**
>
> On Oracle iPlanet Web Server 7.0.16 and earlier versions, the `lasref.c` file needs to be edited with the following change:
>
> Change line 75 from
>
> `rq->request_is_cacheable &= ~NSAPICacheAccelSafe;`
>
> To
>
> `rq->request_is_cacheable = 0;`
>
> This issue has been addressed in Oracle iPlanet Web Server 7.0.17.

3.2.23 New Configuration Option to Get/Set Properties in the auth-db

A new configuration option, `followreferrals`, is added for the auth-db. This option applies for the LDAP auth-dbs and is set to true by default.

You can use the CLI `get-ldap-authdb-prop` and `set-ldap-authdb-prop` commands, or the Admin GUI pages, to get/set this configuration as needed. This option also applies for the LDAP auth-db used in the admin server.

3.2.24 Components for Use with Custom Log Format

The section Configuration File Reference in http://docs.oracle.com/cd/E19146-01/821-1827/index.html of the *Oracle iPlanet Web Server 7.0.9 Migration Guide*, contains information about the log format used by Web Server to customize the format of log files. The following is additional information on components supported for use with a custom log format.

- DNS Time: %Req->vars.xfer-time-dns%
- Connect Wait Time: %Req->vars.xfer-time-cwait%
- Full Wait Time: %Req->vars.xfer-time-fwait%
- Initial Wait Time: %Req->vars.xfer-time-iwait%
- Total Wait Time(sec): %Req->vars.xfer-time-total%
- Total Wait Time(msec): %Req->vars.xfer-time%

3.2.25 Information about the `io-timeout` Element for HTTP Settings

Table 3-22 in *Oracle iPlanet Web Server 7.0.9 Administrator's Configuration File Reference* shows incorrect information about the `io-timeout` element.

The correct description for `io-timeout` is given in the table below:

Element	Occurrences	Description
io-timeout	0 or 1	The maximum time (in seconds) that the server waits for an individual packet. The value can be from 0.001 to 3600.

3.2.26 Information about the `NetWriteTimeout` Parameter

Oracle iPlanet Web Server 7.0 supports `NetWriteTimeout` parameter in the `obj.conf` file to configure write timeout. The value of this parameter is specified in seconds.

For example, to configure 60 minutes timeout, specify the value as follows:

```
NetWriteTimeout 3600
```

3.2.27 Default Value of ssl3-tls-cipher Suite

The ssl3-tls-cipher elements configures SSL3 and TLS cipher suites. The corresponding value of the ssl3-tls-cipher elements is given in the table below:

Element	Value
SSL_RSA_WITH_RC4_128_MD5	False
SSL_RSA_WITH_RC4_128_SHA	True
SSL_RSA_WITH_3DES_EDE_CBC_SHA	True
SSL_RSA_WITH_DES_CBC_SHA	False
SSL_RSA_EXPORT_WITH_RC4_40_MD5	False
SSL_RSA_EXPORT_WITH_RC2_CBC_40_MD5	False
SSL_RSA_WITH_NULL_MD5	False
SSL_RSA_WITH_NULL_SHA	False
SSL_RSA_FIPS_WITH_3DES_EDE_CBC_SHA	False
SSL_RSA_FIPS_WITH_DES_CBC_SHA	False
TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	True
TLS_ECDHE_RSA_WITH_NULL_SHA	False
TLS_ECDHE_RSA_WITH_RC4_128_SHA	True
TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA	True
TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	True
TLS_ECDH_RSA_WITH_AES_128_CBC_SHA	True
TLS_ECDH_RSA_WITH_RC4_128_SHA	True
TLS_ECDH_RSA_WITH_3DES_EDE_CBC_SHA	True
TLS_ECDH_RSA_WITH_AES_256_CBC_SHA	True
TLS_ECDH_ECDSA_WITH_AES_128_CBC_SHA	True
TLS_ECDH_ECDSA_WITH_RC4_128_SHA	True
TLS_ECDH_ECDSA_WITH_3DES_EDE_CBC_SHA	True
TLS_ECDH_ECDSA_WITH_AES_256_CBC_SHA	True
TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA	True
TLS_ECDHE_ECDSA_WITH_NULL_SHA	False
TLS_ECDHE_ECDSA_WITH_RC4_128_SHA	True
TLS_ECDHE_ECDSA_WITH_3DES_EDE_CBC_SHA	True
TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA	True

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Element	Value
TLS_RSA_EXPORT1024_WITH_DES_CBC_SHA	False
TLS_RSA_EXPORT1024_WITH_RC4_56_SHA	False
TLS_RSA_WITH_AES_128_CBC_SHA	True
TLS_RSA_WITH_AES_256_CBC_SHA	True
TLS_RSA_WITH_SEED_CBC_SHA	True
TLS_RSA_WITH_CAMELLIA_128_CBC_SHA	True
TLS_RSA_WITH_CAMELLIA_256_CBC_SHA	True
TLS_RSA_WITH_AES_128_CBC_SHA256	True
TLS_RSA_WITH_AES_128_GCM_SHA256	True
TLS_RSA_WITH_AES_256_CBC_SHA256	True
TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256	True
TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256	True

3.2.28 Tab to Change Pre-compressed Settings is Content Handling tab not Content Management tab

According to the section, *Configuring the Server to Serve Pre-Compressed Content* of the *Oracle iPlanet Web Server 7.0.9 Administrator's Guide* , the **Content Management** tab on the Virtual Server page can be used to change the pre-compressed content settings.

Note that the name of the tab is **Content Handling** and not **Content Management**.

3.3 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`

A

Features and Enhancements in Previous Web Server 7.0 Releases

The following sections list the features and enhancements in previous releases:

- Features and Enhancements in 7.0.26
- Features and Enhancements in 7.0.25
- Features and Enhancements in 7.0.24
- Features and Enhancements in 7.0.23
- Features and Enhancements in 7.0.22
- Features and Enhancements in 7.0.21
- Features and Enhancements in 7.0.20
- Features and Enhancements in 7.0.19
- Features and Enhancements in 7.0.18
- Features and Enhancements in 7.0.17
- Features and Enhancements in 7.0.16
- Features and Enhancements in 7.0.15
- Features and Enhancements in 7.0.14
- Features and Enhancements in 7.0.13
- Features and Enhancements in 7.0.12
- Features and Enhancements in 7.0.11
- Features and Enhancements in 7.0.10
- Features and Enhancements in 7.0.9
- Features and Enhancements in 7.0 Update 8
- Features and Enhancements in 7.0 Update 7
- Features and Enhancements in 7.0 Update 6
- Features and Enhancements in 7.0 Update 5
- Features and Enhancements in 7.0 Update 4
- Features and Enhancements in 7.0 Update 3
- Features and Enhancements in 7.0 Update 2
- Features and Enhancements in 7.0 Update 1
- Features and Enhancements in 7.0

A.1 Features and Enhancements in 7.0.26

There are no new features and enhancements in Oracle iPlanet Web Server 7.0.26.

A.2 Features and Enhancements in 7.0.25

There are no new features and enhancements in Oracle iPlanet Web Server 7.0.25.

A.3 Features and Enhancements in 7.0.24

This release of Oracle iPlanet Web Server 7.0.24 provides the following enhancement:

Avoiding Repetitive Error Messages Thrown Up by set-origin-server

If you want to avoid repetitive error messages thrown up by the set-origin-server while accessing the server, you can use the failover-threshold parameter under the reverse-proxy server element:

<reverse-proxy> <failover-threshold>5</failover-threshold> </reverse-proxy>

where default value = 0, and range can be from 1 - 256.

For information about features and enhancements in previous Oracle iPlanet Web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.4 Features and Enhancements in 7.0.23

There are no new features and enhancements in Oracle iPlanet Web Server 7.0.23.

A.5 Features and Enhancements in 7.0.22

There are no new features and enhancements in Oracle iPlanet Web Server 7.0.22.

A.6 Features and Enhancements in 7.0.21

This release of Oracle iPlanet Web Server 7.0.21 provides the following new feature and enhancement:

- Support for Network Security Services 3.17.2
- Support for TLS Protocols
- Default welcome-file-list

A.6.1 Support for Network Security Services 3.17.2

Oracle iPlanet Web Server 7.0.21 supports Network Security Services (NSS) 3.17.2.

A.6.2 Support for TLS Protocols

Oracle iPlanet Web Server 7.0.21 provides support for additional Transport Layer Security (TLS) protocols. In addition to TLS 1.0, TLS 1.1 and TLS 1.2 are now supported. SSL3 has been disabled by default.

The list of supported ciphers has changed. The supported ciphers are:

- SSL_RSA_WITH_3DES_EDE_CBC_SHA
- SSL_RSA_WITH_RC4_128_SHA
- TLS_ECDHE_ECDSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA
- TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256
- TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256
- TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA
- TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384
- TLS_ECDHE_ECDSA_WITH_RC4_128_SHA
- TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA
- TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA
- TLS_ECDHE_RSA_WITH_RC4_128_SHA
- TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384
- TLS_ECDH_ECDSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDH_ECDSA_WITH_AES_128_CBC_SHA
- TLS_ECDH_ECDSA_WITH_AES_256_CBC_SHA
- TLS_ECDH_ECDSA_WITH_RC4_128_SHA
- TLS_ECDH_RSA_WITH_3DES_EDE_CBC_SHA
- TLS_ECDH_RSA_WITH_AES_128_CBC_SHA
- TLS_ECDH_RSA_WITH_AES_256_CBC_SHA
- TLS_ECDH_RSA_WITH_RC4_128_SHA
- TLS_RSA_WITH_AES_128_CBC_SHA
- TLS_RSA_WITH_AES_128_CBC_SHA256
- TLS_RSA_WITH_AES_128_GCM_SHA256
- TLS_RSA_WITH_AES_256_CBC_SHA
- TLS_RSA_WITH_AES_256_CBC_SHA256
- TLS_RSA_WITH_CAMELLIA_128_CBC_SHA
- TLS_RSA_WITH_CAMELLIA_256_CBC_SHA
- TLS_RSA_WITH_SEED_CBC_SHA

For information about features and enhancements in previous Oracle iPlanet web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.6.3 Default welcome-file-list

A default `welcome-file-list` has been added in `default-web.xml`: entries of this list are used when a web application does not define a welcome-file-list. If a web application defines a welcome file list, then that list gets higher priority as welcome files than the default list.

A.7 Features and Enhancements in 7.0.20

There are no new features and enhancements in Oracle iPlanet Web Server 7.0.20.

A.8 Features and Enhancements in 7.0.19

A new security component, NSS 3.14.3.0, is integrated with Oracle iPlanet Web Server 7.0.19.

A.9 Features and Enhancements in 7.0.18

This release of Oracle iPlanet Web Server 7.0.18 provides the following new feature and enhancement:

- Oracle iPlanet Web Server 7.0.18 bundles JDK 7 instead of JDK 6. Up to 7.0.17, Web Server bundled JDK6 in Solaris, Linux, and Windows.

For information about features and enhancements in previous Oracle iPlanet web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.10 Features and Enhancements in 7.0.17

This release of Oracle iPlanet Web Server 7.0.17 provides the following new features and enhancements:

- In Web Server 7.0.17 and higher, JDK 7 support is provided for the following platforms:
  - Solaris
  - Linux
  - Windows

For information about features and enhancements in previous Oracle iPlanet Web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.11 Features and Enhancements in 7.0.16

This release of Oracle iPlanet Web Server 7.0.16 provides the following new features and enhancements:

- A new `server.xml` element, `blocking-accept`, has been introduced under the `http-listener` element. This element enables optional blocking of the listen socket mode while retaining client end-points as non-blocking.

  This Boolean element takes the value `true` or `false`. By default, the element is set to `false`.

  Example:

  ```
  <blocking-accept>true</blocking-accept>
  ```

- A new parameter `append-newline-at-end` has been added to the `insert-filter` function in the `obj.conf` file. The filters `sed-response` and `sed-request` adds an extra new line character irrespective of the `sed` rule. You can use the `append-newline-at-end` parameter to enable or disable the addition of this extra new line character. By default `append-line-at-end=true`.

  Example:

  ```
  Output fn="insert-filter" filter="sed-response" sed="s/abc/xyz"
  append-line-at-end="false"
  ```

For information about new features and enhancements in previous Oracle iPlanet Web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.12 Features and Enhancements in 7.0.15

The following are the new features and enhancements in Oracle iPlanet Web Server 7.0.15:

- Oracle iPlanet Web Server 7.0.15 is certified on the following additional platforms:
  - Oracle Enterprise Linux 6
  - Oracle Solaris 11

    For complete information about the supported operating environments and hardware for Oracle iPlanet Web Server 7.0, see the Oracle iPlanet Web Server 7.0.9+ Certification Matrix, which is available at:

    http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html

- The max-parameter-count element, which was added in the 7.0.14 release, can now be configured by using the administration console.

  For more information about `max-parameter-count`, see Features and Enhancements in 7.0.14.

For information about new features and enhancements in previous Oracle iPlanet Web Server 7.0 releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.13 Features and Enhancements in 7.0.14

This release addresses the Java hash-table collision security vulnerability, CVE-2011-5035.

A new element, `max-parameter-count`, has been added to the `servlet-container` element of the `server.xml` configuration file. You can use the `max-parameter-count`

element 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 `max-parameter-count`, the additional parameters are ignored.

You can specify any positive integer as the value of `max-parameter-count`. The default value is `10000`.

You can set `max-parameter-count` by either editing the `server.xml` configuration file or by using the `set-servlet-container-prop` CLI command. For more information about `set-servlet-container-prop`, see the *Oracle iPlanet Web Server 7.0.9 CLI Reference Manual*.

A.14 Features and Enhancements in 7.0.13

The following are the new features and enhancements in Oracle iPlanet Web Server 7.0.13.

- A new property, `max-requests-per-connection` 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 `max-requests-per-connection` as shown in the following example:

  ```
  <http-listener>
    <name>ls1</name>
    <port>17005</port>
    <default-virtual-server-name>https-test</default-virtual-server-name>
    <max-requests-per-connection>09</max-requests-per-connection>
    <server-name>pegasus.example.com</server-name>
  </http-listener>
  ```

- Oracle iPlanet Web Server 7.0.13 supports Network Security Services (NSS) 3.13.1.0.

A.15 Features and Enhancements in 7.0.12

The following sections describe the important new features and enhancements in Oracle iPlanet Web Server 7.0.12.

- Security Component Upgradation
- Introducing `exclude-escape-chars` parameter in `http-client-config` SAF
- Introducing `httponly-session-cookie` property in `servlet-container` element

For information about new features and enhancements in previous releases, see Features and Enhancements in Previous Web Server 7.0 Releases.

A.15.1 Security Component Upgradation

A new security component NSS 3.12.10 is integrated with Oracle iPlanet Web Server 7.0.12.

A.15.2 Introducing `exclude-escape-chars` parameter in `http-client-config` SAF

Oracle iPlanet Web Server introduces a new parameter called `exclude-escape-chars` which provides the list of characters which are not escaped. For more information, see Introducing `exclude-escape-chars` Parameter in `http-client-config`.

A.15.3 Introducing `httponly-session-cookie` property in `servlet-container` element

Oracle iPlanet Web Server introduces a new property called `httponly-session-cookie` in the `servlet-container`. For more information, see Problem with `set-cookie` Header.

A.16 Features and Enhancements in 7.0.11

The following sections describe the important new features and enhancements in Oracle iPlanet Web Server 7.0.11.

- Updated JDK Version

A.16.1 Updated JDK Version

In Oracle iPlanet Web Server 7.0.11, 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.htm`

A.17 Features and Enhancements in 7.0.10

The following sections describe the important new features and enhancements in Oracle iPlanet Web Server 7.0.10.

- Maximum Length of Group Line in htaccess Authentication Group File Increased
- JDK Updated to 1.6.0_22
- NSS Updated to 3.12.8

A.17.1 Maximum Length of Group Line in htaccess Authentication Group File Increased

In Oracle iPlanet Web Server 7.0.10, the maximum permissible length of a group line in the `htaccess` authentication group file has been increased from the earlier limit of 1K (1024) characters to 8K (8192) characters.

A.17.2 JDK Updated to 1.6.0_22

The JDK 6 that is delivered as part of Web Server 7.0.10 on Solaris, Linux, and Windows is updated to version 1.6.0_22.

For information about the changes in JDK 1.6.0_22, see the JDK 6 release notes at:

`http://www.oracle.com/technetwork/java/javase/6u22releasenotes-176121.html`

A.17.3 NSS Updated to 3.12.8

Web Server 7.0.10 is integrated with NSS version 3.12.8.

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

A.18 Features and Enhancements in 7.0.9

Oracle iPlanet Web Server 7.0.9 is an update release to Sun Java System Web Server 7.0. In addition to the features and enhancements in Web Server 7.0 and Updates 1 through 8, Web Server 7.0.9 brings the additional features and enhancements to the product described in the following sections.

- Resolution of SSL/TLS Vulnerability CVE-2009-3555
- Support for JDT Java Compiler
- Support for Oracle JRockit JDK
- Ability to Change Session ID on Authentication
- For Large Applications, `--directory` Option of `add-webapp` Deprecated

A.18.1 Resolution of SSL/TLS Vulnerability CVE-2009-3555

Web Server 7.0 Update 7 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 7.0 Update 7 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 7.0.9 includes NSS 3.12.6, which provides safe SSL/TLS renegotiation and so provides resolution of CVE-2009-3555. As a result, Web Server 7.0.9 re-enables use of SSL/TLS renegotiation.

A.18.2 Support for JDT Java Compiler

You can now configure Web Server to use the Eclipse JDT Java compiler instead of Ant and another Java compiler. For more information, see Using the Eclipse JDT Java Compiler in *Oracle iPlanet Web Server 7.0.9 Developer's Guide to Java Web Applications*.

A.18.3 Support for Oracle JRockit JDK

Web Server now supports the Oracle JRockit JDK on the 32-bit platforms it supports. For the 7.0.9 release, the minimum required JRockit JDK version is R27.6.5, which is certified to be compatible with Java SE 6 Update 14 (1.6.0_14).

A.18.4 Ability to Change Session ID on Authentication

Web Server 7.0.9 adds the `changeSessionIdOnAuthentication` property to the `sun-web-app` element of the `sun-web.xml` file. This property enables web applications to change session IDs upon authentication in order to avoid session fixation attacks. For more information, see sun-web-app Element in *Oracle iPlanet Web Server 7.0.9 Developer's Guide to Java Web Applications*.

A.18.5 For Large Applications, `--directory` Option of `add-webapp` Deprecated

For large applications, you should use the `--file-on-server` option of the `add-webapp` command to provide a path to an expanded `war` file outside the Web Server root directory. Note, however, that the administration server does not manage web applications deployed outside the Web Server root directory.

For more information, see Deploying a Web Application Directory in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

A.19 Features and Enhancements in 7.0 Update 8

Web Server 7.0 Update 8 contains the following fixes for security vulnerabilities.

Bug 6916389 describes the buffer overflow vulnerabilities in the WebDAV extensions to Sun Java System 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 6916390 describes the format string vulnerabilities in the WebDAV extensions to Sun Java System 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 Sun Java System Web Server, which may allow remote unprivileged users to crash 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 issues in the HTTP TRACE functionality in Sun Java System Web Server, which may allow remote unprivileged users to crash Web Server, thus leading to a Denial of Service (DoS) condition. These issues may also be exploited to gain unauthorized access to sensitive information.

A.20 Features and Enhancements in 7.0 Update 7

Web Server 7.0 Update 7 introduces Kerberos/SPNEGO support. This release introduces a new ACL authentication method called `gssapi`. The `gssapi` authentication method works with a Kerberos user repository. This release also introduces a suitable `auth-db` of type `kerberos` for use with the `gssapi` authentication method.

For more information about configuring a Kerberos authentication, see Working With the Authentication Database in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

> **Note:**
>
> Kerberos enabled Web Server on Solaris is tested with clients such as Internet Explorer on Windows 2003 and Firefox on RHEL 5.3.

Web Server 7.0 Update 7 supports Windows 2008 SP2 32 bit (x86) Enterprise Edition.

Web Server 7.0 Update 7 is bundled with JDK 6. There is an improvement in the performance in the administration server.

Web Server 7.0 Update 7 is integrated with the Xerces C++ patch that fixes the vulnerability. For more information, see `http://www.cert.fi/en/reports/2009/vulnerability2009085.html`.

> **Note:**
>
> Web Server 7.0 Update 7 resolves a regression in LDAP authentication (6888100) accidentally introduced in Update 6. All customers using LDAP authentication are encouraged to upgrade to Update 7.

A.20.1 Deprecated Platforms

Platforms, Solaris 8 and Windows 2000 are deprecated. They will not be supported from Web Server 7.0 Update 9 onward.

A.20.2 SSL/TLS Vulnerability Fix (CVE-2009-3555)

Web Server 7.0 Update 7 is upgraded to include 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 Web Server from attack.

Therefore, Web Server 7.0 Update 7 disables all use of SSL/TLS renegotiation. If either the client or Web Server attempts 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 that 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>
```

A future update of Web Server 7.0 will implement a safe renegotiation protocol as soon as the IETF finalizes the design of the new protocol enhancement. It is possible to re-enable the vulnerable SSL/TLS renegotiation capability by setting the environment variable: `NSS_SSL_ENABLE_RENEGOTIATION=1`. This mode is known to be vulnerable to attack as described in CVE-2009-3555.

A.21 Features and Enhancements in 7.0 Update 6

Web Server 7.0 Update 6 is an update release to Web Server 7.0. In addition to the features and enhancements in Web Server 7.0, and the Web Server 7.0 Update 1, Update 2, Update 3, Update 4, and Update 5 releases, Web Server 7.0 Update 6 brings the following value-added features and enhancements to the product.

- Sun Java System Web Server 7.0 Update 6 is integrated with the new NSS (Network Security Services) 3.12.3. This version of the NSS fixes the security alert for `http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2009-2404`.

  For more information about the additional environmental variables added in this version, see:

  `http://www.mozilla.org/projects/security/pki/nss/nss-3.12.3/nss-3.12.3-release-notes.html`

- Sun Java System Web Server 7.0 Update 6 contains both the NSS 3.12.3 and the NSPR 4.7.4 version.

- Sun Java System Web Server 7.0 Update 6 has support for the Solaris 8 Branded Zones.

A.22 Features and Enhancements in 7.0 Update 5

Web Server 7.0 Update 5 is an update release to Web Server 7.0. In addition to the features and enhancements in Web Server 7.0, and the Web Server 7.0 Update 1, Update 2, Update 3, and Update 4 releases, Web Server 7.0 Update 5 brings the following feature to the product.

A.22.1 Binary Logging

Binary logging is a functionality introduced in Sun Java System Web Server 7.0 Update 5. This feature allows server information to be stored in a single log file that contains binary, unformatted log data of all the web sites hosted on a server. It thus minimizes the usage of system resources used for logging, may improve performance and scalability, and at the same time records detailed log information.

For more information, see *Oracle iPlanet Web Server Performance Tuning, Sizing, and Scaling Guide*.

A.23 Features and Enhancements in 7.0 Update 4

Web Server 7.0 Update 4 is an update release to Web Server 7.0. In addition to the features and enhancements in Web Server 7.0, and the Web Server 7.0 Update 1,

Update 2, and Update 3 releases, Web Server 7.0 Update 4 brings the following value-added features and enhancements to the product.

A.23.1 REQUEST_URI and SCRIPT_FILENAME Support

Web Server 7.0 Update 4 includes the addition of environment variables `REQUEST_URI` and `SCRIPT_FILENAME` in CGI and FastCGI subsystems. These variables are set by default for both CGI and FastCGI on Apache and are used by many PHP applications including WordPress.

For more information about issues related to these variables, see problem ID 6785490 in Web Server Core Issues.

A.23.2 default-sun-web.xml Support

`default-sun-web.xml` support has been provided in the Web Server 7.0 Update 4 release. For the administration server's LDAP authorization, `default-sun-web.xml` support is necessary and this will enable the group IDs to be configured.

A.23.3 OpenSolaris 2008.11 Support

OpenSolaris 2008.11 support has been provided in the Web Server 7.0 Update 4 release. OpenSolaris 2008.11 is the latest release of the OpenSolaris operating system.

Package Requirements

To install Sun Java System Web Server 7.0 Update 4 or later on OpenSolaris, you must install the following additional IPS packages from the repository:

- SUNWpkgcmds
- SUNWmfrun
- java-dev

A.24 Features and Enhancements in 7.0 Update 3

Web Server Update 3 is an update release to Web Server 7.0. In addition to the features and enhancements in Web Server 7.0, and the Web Server 7.0 Update 1 and Update 2 releases, Web Server 7.0 Update 3 brings the following value-added features and enhancements to the product.

A.24.1 AIX Platform Support

AIX 5.3 and 6.1 platform support has been provided in the Web Server 7.0 Update 3 release.

A.24.2 Autodeploying Web Applications

Web Server 7.0 Update 3 introduces the autodeployment functionality that enables you to deploy one or more web applications, just by copying them to a designated directory. The server automatically deploys web applications that are in the form of web archives (`.war` files) or in a directory in which a web archive has been expanded.

For more information about auto-deployment feature in Web Server, see Autodeploying Web Applications in *Oracle iPlanet Web Server 7.0.9 Developer's Guide to Java Web Applications*.

A.25 Features and Enhancements in 7.0 Update 2

Web Server 7.0 Update 2 is an update release to Web Server 7.0. In addition to the features and enhancements in Web Server 7.0, and the Web Server 7.0 Update 1 release, Web Server 7.0 Update 2 brings the value-added features and enhancements described in the following sections:

- PKCS11 Bypass Support
- Service Management Facility (SMF) Support
- Asynchronous Accelerator Cache Support
- Enhanced Web Container
- Improved Administration Experience
- Red Hat 4.0 64-bit Support
- NetBeans 6.5 IDE Support

A.25.1 PKCS11 Bypass Support

Web Server 7.0 Update 2 introduces an option to instruct NSS to bypass the `PKCS#11` layer during parts of the SSL/TLS processing. Bypassing the `PKCS#11` layer improves performance. By default, the `PKCS#11` layer is bypassed. At the time of server startup, the server queries each token holding a server key to verify that each token can support PKCS#11 bypass. If any of the tokens cannot support bypass, bypass is disabled. Therefore, no user action is required to take advantage of the performance benefits of the PKCS#11 bypass. The server automatically takes advantage of the bypass and automatically disables the bypass if the token cannot be used given the current configuration. For more information, see .

Web Server provides command-line interface (CLI) and Admin Console support to enable or disable bypass. For more information about how to enable or disable PKCS11 bypass using the Admin Console or the CLI, see To Enable and Bypass PKCS#11 Tokens in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

A.25.2 Service Management Facility (SMF) Support

Web Server 7.0 Update 2 integrates with the Solaris 10 Service Management Facility (SMF) for the Java platform. SMF is a new feature of the Solaris Operating System that creates a supported, unified model for services and service management on each Solaris system. It is a mechanism to define, deliver, and manage long-running application services for Solaris. A service is defined by a service manifest, which is an XML file that describes a service, and any instances associated with that service.

For more information about SMF support in Web Server, see Integrating Service Management Facility for the Java Platform with Web Server in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

A.25.3 Asynchronous Accelerator Cache Support

Web Server 7.0 Update 2 supports processing of requests that can be served from the accelerator cache asynchronously, thereby improving the performance of the server.

Value added features are:

- Dynamic reconfiguration

- Flag `AsyncAccelerator` in `magnus.conf` to turn off asynchronous cache

- Requests serviced through asynchronous accelerator to stats

- Batch access log writes when requests are serviced by asynchronous accelerator

A.25.4 Enhanced Web Container

Web Server 7.0 Update 2 introduces the ability to display the exception stack trace or JSP compiler errors in a browser. In the earlier releases of Web Server, when an exception occured in the servlet container at request time, a "Server Error" was displayed at the client without exposing internal application details. The exception is always logged in the error log with or without this feature enabled.

> **Note:**
>
> Displaying exception stack trace or JSP compiler errors in a browser is not enabled by default. You can enable this feature through the `set-servlet-container-prop` command or through the Display Exception check box in the Servlet Container tab of the Admin Console. This is useful for development purposes. It is strongly recommended that this feature not be enabled in production systems.

A.25.5 Improved Administration Experience

Administration experience is improved Web Server 7.0 Update 2 by introducing the following key features:

Rollback Deployed Configuration Support
Web Server 7.0 Update 2 supports rolling back of deployed configuration. Web Server administration now enables administrators to take backups automatically on every deployed configuration. Using the Admin CLI, you can list backups and restore a specified backup.

Support to Set Administration Server Password
Web Server 7.0 Update 2 enables you to reset the administration server's user password. However, this functionality works only locally on the administration server's node.

Support for Managing CA Certificates
The Admin Console enables you to install, delete, and filter CA certificates, Cert chain, and the CRLs. Additionally, the server also warns the users about the certificates that are about to expire.

For information about the administration features, see .

A.25.6 Red Hat 4.0 64-bit Support

Support for a 64-bit standalone version of Web Server is provided in Web Server 7.0 Update 2.

Web Server 7.0 64-bit Linux is a separate standalone-only distribution and does not coexist with Web Server 7.0 32-bit Linux. Web Server 7.0 64-bit Linux requires 64-bit Java Development Kit 5.0 Update 12 or later. Both Administration Server and server instance are only 64-bit server. Migration from previous releases is not supported on Web Server 7.0 64-bit for Linux.

A.25.7 NetBeans 6.5 IDE Support

Web Server 7.0 Update 2 provides support to connect to the NetBeans 6.5 IDE and allows users to develop, debug, and deploy applications to Web Server. The NetBeans plug-in can be downloaded from the update center using the NetBeans 6.5 IDE.

> **Note:**
>
> In addition to the support for NetBeans 6.5 IDE, Web Server provides support for NetBeans 6.1, 6.0, and 5.5.1 versions of the IDE.

A.26 Features and Enhancements in 7.0 Update 1

Web Server 7.0 Update 1 is an update release to Web Server 7.0.

In addition to the features and enhancements in Web Server 7.0, Web Server 7.0 Update 1 supports the Java Platform, Enterprise Edition (Java EE) 5.0 and Web 2.0 technologies.

The following sections describe the new features and enhancements in 7.0 Update 1.

- Java Servlet 2.5 and JavaServer Pages (JSP) 2.1 Support
- JavaServer Pages Standard Tag Library 1.2 and JavaServer Faces 1.2 Support
- Accelerator Cache Technology
- Administration Support for Configuring FastCGI
- NetBeans Support
- Admin Console Support for Configuring Regular Expressions
- GUI and CLI Support for Pattern Matching

A.26.1 Java Servlet 2.5 and JavaServer Pages (JSP) 2.1 Support

Web Server includes a Java Platform, Enterprise Edition (Java EE) 5 compliant implementation of the Java Servlet 2.5 and JavaServer Pages (JSP) 2.1 technology specifications. Web Server provides the flexibility and reliability needed to design and deploy web applications that comply with Java technology standards.

Java Servlet technology provides web developers with a simple, consistent mechanism for extending the functionality of a Web Server and for accessing existing business systems. JSP technology provides a simplified and fast way to create dynamic web content. JSP technology enables rapid development of web-based applications that are server- and platform-independent.

For information about these technologies, see:

http://docs.oracle.com/javaee/5/tutorial/doc/

A.26.2 JavaServer Pages Standard Tag Library 1.2 and JavaServer Faces 1.2 Support

The JavaServer Pages Standard Tag Library 1.2 provides custom tags that encapsulate core functionality common to many web applications. JavaServer Pages Standard Tag Library has support for common, structural tasks such as iteration and conditionals. It provides tags for manipulating XML documents, internationalization tags, and SQL tags. It also provides a framework for integrating existing custom tags with JavaServer Pages Standard Tag Library tags.

Web Server supports JavaServer Faces technology. JavaServer Faces is a user interface framework for building web applications.

For information about these technologies, see:

http://docs.oracle.com/javaee/1.4/tutorial/doc/index.html

A.26.3 Accelerator Cache Technology

Web Server includes new accelerator cache technology that speeds the delivery of small files. The accelerator cache is automatically enabled and requires no configuration. For more information, see File Cache Statistics Information in *Oracle iPlanet Web Server 7.0.9 Performance Tuning, Sizing, and Scaling Guide*.

A.26.4 Administration Support for Configuring FastCGI

You can configure a single FastCGI application using the Admin Console as well as the command-line interface (CLI).You can also configure the FastCGI with Web Server using the configuration files.

To configure multiple FastCGI applications, see Configuring Multiple FastCGI Applications in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

A.26.5 NetBeans Support

Web Server provides plug-ins to integrate with the NetBeans Integrated Development Environment (IDE) for deploying and debugging web applications. NetBeans is a complete development environment to create Java Platform Enterprise Edition (Java EE)-based web applications with the standard components.

In addition to the deployment of web applications, the plug-in also provides support for the following activities:

- Manage instances, such as start or stop server instances
- Enable or disable applications

- Create server-wide resources, such as JDBC resources and JDBC connection pools

For information about NetBeans, see:

http://www.netbeans.org/kb/index.html

A.26.6 Admin Console Support for Configuring Regular Expressions

Web Server provides support for writing regular expressions within the `obj.conf` file through the Admin Console. However, writing regular expressions through the Admin Console is limited to the form of `<If>..</If>` conditions for URL redirects.

For more information about using the Admin Console for writing regular expressions, see *Oracle iPlanet Web Server Administrator's Guide*.

A.26.7 GUI and CLI Support for Pattern Matching

Web Server provides support for configuring the URIs, URI prefixes, URI wildcard patterns properties through the Admin Console and the CLI.

For more information about using the Admin Console for configuring URI pattern properties, see *Oracle iPlanet Web Server Administrator's Guide*.

For more information about using the CLI commands for configuring URI pattern properties, see *Oracle iPlanet Web Server Command-Line Reference*.

A.27 Features and Enhancements in 7.0

Web Server can be configured to run as a 64-bit application on the Solaris, SPARC, and AMD64 platforms.

Web Server provides comprehensive command-line interface (CLI) support, consolidated configuration, enhanced security with elliptic curve cryptography support, and clustering support. It also comes with a robust built-in migration tool that helps migrate applications and configurations from Web Server 6.0 and Web Server 6.1 to Web Server 7.0.

The following sections describe the new features in Web Server 7.0:

- JMX-Based Management Infrastructure
- Redesigned Administration Server Interface
- Command-Line Interface Support
- Sun N1 Service Provisioning System Support
- Consolidated Configuration Files
- JNDI Support
- Java Database Connectivity and Connection Pooling Support
- Enhanced Hardware Accelerator Encryption Support
- Integrated Java Web Services Developer Pack 2.0 Technologies
- Lightweight Session Replication Support
- URL Redirection and Rewriting with Regular Expressions

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- Extensive Real-Time Monitoring Support
- Integrated Reverse Proxy
- Enhanced Security
- Elliptic Curve Cryptography Support
- Oracle Java Studio Enterprise Support
- Localization Support

A.27.1 JMX-Based Management Infrastructure

Web Server management infrastructure is based on the modern distributed Java Management Extensions (JMX) technology. JMX technology provides tools for building distributed, web-based, modular, and dynamic solutions for managing and monitoring devices, applications, and service-driven networks. JMX helps to manage and monitor instances, configurations, and web applications across clustered Web Server deployments.

A.27.2 Redesigned Administration Server Interface

The Administration Server is a specially configured Web Server instance on which the administration applications are deployed. An administration instance runs on each node in the server farm. Of these nodes, one node is configured to be the Administration Server and the rest are configured to be administration nodes.

The web-based Administration Server is redesigned to make common tasks easier to access and complex tasks easier to accomplish.

The Administration Server includes the following new features:

- Web-based wizards for performing most common tasks
- Comprehensive command-line interface (CLI) support for server configuration and server administration tasks
- Centralized configuration store
- Support for deploying Web Server configuration information on multiple machines. This feature extends to support Web Server in server farms and clusters.
- Built-in management and monitoring of server clusters

For more information about using the administration interface to perform administrative tasks, see .

A.27.3 Command-Line Interface Support

The command-line interface (CLI) enables you to easily configure and administer the server.

The CLI has the following key features:

- Embedded Java Command Language (`jacl`) shell for scripting
- Extensible CLI, which enables you to add more commands by using the third-party plug-ins

- Support for local and remote administration, configuration, and management of one or more server instances
- Automatic completion of commands when you enter one or more characters and then press the `Tab` key
- Easy-to-use CLI-based operational modes including single mode, shell mode, and file mode

For more information about the commands, see .

A.27.4 Sun N1 Service Provisioning System Support

Web Server is integrated with Sun N1 Service Provisioning Server 5.2. Sun N1 Service Provisioning System is an application provisioning tool that eliminates the need for custom scripts. With the integration of Web Server with Sun N1 Service Provisioning System, as an administrator, you do not need to write custom scripts for installing multiple Web Server instances in a datacenter environment or in a server farm.

A.27.5 Consolidated Configuration Files

Configuration files in Web Server are rearranged and consolidated to simplify administration.

In the earlier versions of Web Server, the configuration files in the `userdb` directory were shared by all instances, while the information contained in these files was often instance-specific. In Web Server 7.0, configuration files from the `userdb` directory are removed. Their functionality is incorporated into the `server.xml` file in the `config` directory. Configuration files from the `alias` and `httpacl` directories are moved into the `config` directory. These changes consolidate instance-specific configuration information within the instance-specific `config` directory.

For information about the configuration files, see *Oracle iPlanet Web Server Administrator's Configuration File Reference*.

A.27.6 JNDI Support

The Java Naming and Directory Interface (JNDI) API provides seamless connectivity to heterogeneous enterprise naming and directory services.

A.27.7 Java Database Connectivity and Connection Pooling Support

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

Web Server supports JDBC connection pooling, that is, a group of reusable connections for a particular database. Because creating each new connection is time-consuming, the server maintains a pool of available connections to increase performance. When an application requests a connection, it obtains a connection from the pool. When an application closes a connection, the connection is returned to the pool.

For information about creating JDBC connection pools, see *Oracle iPlanet Web Server Administrator's Guide*.

A.27.8 Enhanced Hardware Accelerator Encryption Support

Sun Java System Web Server 7.0 provides hardware accelerator support for Sun Crypto Accelerator 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://docs.oracle.com/cd/E19321-01/index.html

A.27.9 Integrated Java Web Services Developer Pack 2.0 Technologies

Web Server includes Java Web Services Developer Pack (Java WSDP) 2.0 and XML technologies. Web services developed by using Java WSDP can be deployed on Web Server as a web application by using the `wadm` command.

Web Server 7.0 provides support for security features such as XML Encryption, XML Digital Signature, and support for message security provider.

For more information about Java WSDP 2.0, see:

http://www.oracle.com/technetwork/java/webservicespack-jsp-140788.html

Java WSDP 2.0 samples are located at the following location. These samples can be deployed on Web Server 7.0.

http://java.sun.com/webservices/downloads/2.0_preview_webservicespack.html

A.27.10 Lightweight Session Replication Support

Web Server supports cluster-based session replication and failover. Session replication and failover provides high availability to web applications by replicating HTTP sessions from one server instance to another in the same server cluster. Because each HTTP session has a backup copy on a remote instance, a server failure that renders one instance in the cluster unavailable does not disturb session continuity.

For more information about Light Weight Session Replication support, *Oracle iPlanet Web Server Administrator's Guide*.

A.27.11 URL Redirection and Rewriting with Regular Expressions

Web Server 7.0 introduces enhanced support for regular expressions and conditional processing in the `obj.conf` configuration file.

Key enhancements include the following:

- Support for regular expressions
- A `restart` Server Application Function (SAF) for restarting requests with a new URI
- Support for dynamic SAF parameters that include expressions, variables, and regular expression back references
- `<If>`, `<ElseIf>`, and `<Else>` tags for conditional processing
- Support for complex conditions that use `and`, `or`, and `not` operators
- `sed-request` and `sed-response` filters for rewriting request and response bodies

You can use these new features to define flexible URL rewriting and redirection rules such as those possible with `mod_rewrite` from the Apache HTTP server. Unlike `mod_rewrite`, regular expressions and conditional processing in Web Server 7.0 can be used at any stage of request processing, even with third-party plug-ins.

For more information about regular expressions and URL rewrite functions, see .

A.27.12 Extensive Real-Time Monitoring Support

In addition to the monitoring facilities in earlier versions of Web Server, Web Server adds the following enhancements:

- Monitors servlets, JSP, and JavaServer Pages Standard Tag Library container characteristics.
- Monitors process and virtual server statistics from within the Administration Server.
- Integrates with the System Management Agent on the Solaris 10 platform. Integrates with the Java Enterprise System Monitoring Framework (Java ES Monitoring Framework) that makes Web Server monitoring information available within the Java ES Monitoring Framework.
- Accesses monitoring data as Management Beans (MBeans) using the Java Monitoring and Management Console (`jconsole`) script, Java ES Monitoring Framework, or any Java Management Extensions (JMX) compliant client applications.

For more information about the monitoring feature in Web Server, see *Oracle iPlanet Web Server Administrator's Guide*.

A.27.13 Integrated Reverse Proxy

Sun Java System Web Server 7.0 integrates the reverse proxy functionality within the core server.

When Web Server is configured with reverse proxy functionality, it acts as a proxy for one or more back-end servers and serves as a single point of access or gateway in a server farm. In a reverse proxy setup, Web Server forwards the HTTP request it received from the browser client to the appropriate back-end server. The HTML response from the back-end server is sent back to the browser through Web Server. Thus, Web Server with reverse proxy hides the existence of back-end servers to the browser.

Web Server provides GUI and CLI support for configuring the reverse proxy.

For information about configuring reverse proxy, see Configuring Reverse Proxy in Web Server in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

A.27.14 Enhanced Security

Web Server supports a wide variety of technologies that allow data encryption and validation, request authentication, and server process protection.

Key security-related enhancements include the following:

- Solaris 10 platform cryptographic framework support. For example, `libpkcs11.so` including support for UltraSPARC T1 processor hardware acceleration.

- Denial of Service (DoS) attack protection enhancements.

- Cross-site scripting protection through the native `sed(1)`-based input filtering. For information about cross site-scripting, see Preventing Cross-Site Scripting Attacks in *Oracle iPlanet Web Server 7.0.9 Administrator's Guide*.

- Web services security:

    – IETF XML Digital Signature

    – W3C XML Encryption

- Integrated Platform for Privacy Preferences (P3P) support.

- Web-based Distributed Authoring and Versioning (WebDAV) access control support.

- The Lightweight Directory Access Protocol (LDAP) `auth-db` is enhanced to make search expressions and match attributes configurable.

- The LDAP `auth-db` supports Microsoft Active Directory interoperability.

- Support for migration of certificate from Tomcat or other Java keystore file-based repositories.

- Support for dynamically applied Certificate Revocation Lists (CRLs).

- Integrated IPv6 support.

A.27.15 Elliptic Curve Cryptography Support

Sun Java System Web Server has always supported `SA` keys. In addition to the continued support for `RSA` keys, Web Server 7.0 introduces support for Elliptic Curve Cryptography (ECC).

ECC is the next generation of public-key cryptography for mobile or wireless environments. ECC is based on a set of algorithms for key generation, encryption, and decryption for performing asymmetric cryptography.

For more information about how to use ECC in Web Server, see *Oracle iPlanet Web Server Administrator's Guide*.

A.27.16 Oracle Java Studio Enterprise Support

Web Server 7.0 supports Oracle Java Studio Enterprise 8.1. Oracle Java Studio software is a powerful, extensible IDE for Java technology developers, based on the NetBeans software and integrated with the Java platform.

The plug-in for Web Server can be obtained in the following ways:

- From the companion CD in the Sun Java System Web Server Media Kit

- By using the companion *AutoUpdate* feature of Oracle Java Studio
- From the download center for Sun Java System Web Server

> **Note:**
>
> Oracle Java Studio 8.1 plug-in for Web Server works only with a local Web Server. That is, the IDE and Web Server must be installed on the same machine.

For more information about Oracle Java Studio 8, see:

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

A.27.17 Localization Support

Web Server is available in the following languages:

- French
- German
- Spanish
- Japanese
- Simplified Chinese
- Traditional Chinese
- Korean

B

Issues Resolved in Previous Web Server Releases

The following sections list the important issues fixed in the previous releases:

- Issues Resolved in 7.0.26
- Issues Resolved in 7.0.25
- Issues Resolved in 7.0.24
- Issues Resolved in 7.0.23
- Issues Resolved in 7.0.22
- Issues Resolved in 7.0.21
- Issues Resolved in 7.0.20
- Issues Resolved in 7.0.19
- Issues Resolved in 7.0.18
- Issues Resolved in 7.0.17
- Issues Resolved in 7.0.16
- Issues Resolved in 7.0.15
- Issues Resolved in 7.0.14
- Issues Resolved in 7.0.13
- Issues Resolved in 7.0.12
- Issues Resolved in 7.0.11
- Issues Resolved in 7.0.10
- Issues Resolved in 7.0.9
- Issues Resolved in 7.0 Update 8
- Issues Resolved in 7.0 Update 7
- Issues Resolved in 7.0 Update 6
- Issues Resolved in 7.0 Update 5
- Issues Resolved in 7.0 Update 4
- Issues Resolved in 7.0 Update 3
- Issues Resolved in 7.0 Update 2
- Issues Resolved in 7.0 Update 1

B.1 Issues Resolved in 7.0.26

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.26. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
25572908	Update web server version to 7.0.26.
25515778	The following Javahelp JAR files have to be signed again as Oracle iPlanet Web Server had bundled them using the MD5 algorithm • `/./WS7U24_I/lib/webapps/admingui/WEB-INF/lib/ jhall.jar/` • `/./WS7U24_I/lib/webapps/admingui/WEB-INF/lib/ jh.jar/` • `/./WS7U24_I/lib/webapps/admingui/WEB-INF/lib/ jsearch.jar/` • `/./WS7U24_I/lib/webapps/admingui/WEB-INF/lib/ jhbasic.jar/`
25349878	When the URL request to Oracle iPlanet Web Server 7.0.22 has characters "%2F" in it before sending request to WebLogic Server, the Web Server decodes it to "/"(slash), which causes errors in applications.
25150794	Oracle iPlanet Web Server 7.0.26 now uses SHA256 admin certificate to generate Certificate Signing Requests(CSR) and self signed certificates.
25108465	Updated iPlanet Web Server 7.0.24 JAR signatures to work with the latest JRE updates.
24422903	The Oracle iPlanet Web Server 7.0.16 installer failed to install the Web Server when the existing **Java 1.6.0_115(64bit)** version was selected for the option, **Reuse existing Java Runtime Environment**.

B.2 Issues Resolved in 7.0.25

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.25. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
25169128	Update web server version to 7.0.25.
25168676	NSS upgraded to 3.25.1 for Oracle iPlanet Web Server 7.0.25.
25154145	Oracle iPlanet Web Server 7.0.24 with reverse proxy configuration crashes and fails to restart.
25147070	Doc: The tab to change pre-compressed settings is Content Handling tab and not Content Management tab. See Tab to Change Pre-compressed Settings is Content Handling tab not Content Management tab.
23185574	Oracle iPlanet Web Server now supports the ssl3–tls-ciphers `TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384` and `TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384`.

B.3 Issues Resolved in 7.0.24

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.24. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
24465948	Update web server version to 7.0.24.
24390754	Release Notes lists only 32-bit patch for Oracle Solaris on SPARC.
23621388	NSS upgraded to 3.25 for Oracle iPlanet Web Server 7.0.24.
23590236	SSL client authentication should not only check for SSL3 and TLS.
23495921	7.0.22 plug-in marks origin servers offline even though they are online.
22280443	Oracle IWS reverse proxy fails when using TLS 1.2 with SSL client authentication.
22269984	Keepalive thread causes delay when reaping connections.
15963420	Doc: Correct default values of SSL3-TLS-Ciphers have been noted. See Default Value of ssl3-tls-cipher Suite.
24390754	Support for 64-bit Patch for Oracle Solaris on SPARC.

B.4 Issues Resolved in 7.0.23

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.23. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
22376510	Poor performance of Oracle iPlanet Web Server 7.0 observed when the `keep-alive` option is enabled.
21356151	Log path is removed after adding a new variable at the virtual server level.
21148493	Service Registration form blocks access to the common tasks page.
20862718	An excessive amount of `malloc()` invocations due to a bug in the pool implementation of free blocks.
21744964	Doc: Information about the `io-timeout` element for HTTP settings. See Information about the `io-timeout` Element for HTTP Settings.
21440256	Doc: Information about the `NetWriteTimeout` parameter. See Information about the `NetWriteTimeout` Parameter.
22615808	NSS upgrade to 3.21

B.5 Issues Resolved in 7.0.22

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.22. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
20852421	Reverse proxy wraps client hello message in SSL2-compatible format.
20954530	NSS upgrade to 3.17.4.
21089550	Version changes for Oracle iPlanet Web Server 7.0.23.

B.6 Issues Resolved in 7.0.21

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.21. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
14703488	Removal of `max-procs` parameter from the Admin CLI/GUI interfaces.
18185294	A search events fails when platform is set to 64-bit.
18398500	For an auto-deployed web application without a welcome-file in its deployment descriptor, an attempt to access the base url of the web-app results in the display of the directory listing even though it may contain some file such as `index.jsp`.
18841083	In an auto-deployed web-app, if `welcome-file` redirects to another page, then a directory listing was being displayed for that directory.
19000390	Multi-byte characters in the response header get garbled.
19885785	The `get-client-cert` operation does not work when SSL3 is disabled.

B.7 Issues Resolved in 7.0.20

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.20. The documentation issues are prefixed "Doc:" in the Description column of the table.

Issue ID	Description
12306936	Renewal of CA-signed certificate fails from Admin UI with `Security Token Mismatch Error.`
12984556	Fix to Security Token Mismatch Error in Renew Certificate Wizard.
16834733	Oracle iPlanet Webserver with an SSL listener crashes if the SSL cache is disabled, and the client certificate expires.
17309955	Corrected a mismatch of key-value names for `bind-password` in the Admin GUI.
17446698	Resolved memory leak issue in admin server related to instance member state changes.
17652218	Server should return a Bad Response (400) for a malformed request, rather than closing the connection.
17835893	Doc: New configuration option for get/set properties in auth.db. See New Configuration Option to Get/Set Properties in the auth-db.
18026360	Resolved memory leak issue in admin server related to instance member state changes.
18263786	The default size of the header buffer used in the reverse-proxy is now the same as the `request-header-buffer-size` element of the `http` element in server.xml.
18278817	Doc: Document the components you can use with a custom log format. See New Configuration Option to Get/Set Properties in the auth-db.
18313136	Unable to create a certificate with a generalized time format.

B.8 Issues Resolved in 7.0.19

There are no new issues resolved in Oracle iPlanet Web Server 7.0.19. This release addresses security issues.

B.9 Issues Resolved in 7.0.18

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.18.

Issue ID	Description
14846203	Oracle iPlanet Web Server 7.0 must support Internet Explorer 9 browsers.
15866045	Oracle iPlanet Web Server 7.0.12 B07/05/2011 has high CPU usage with search Japan special characters.
16412868	Administration GUI and configuration files are not in sync after deploying the configuration.
16451039	Migrate `maxrequestsperconnection` property from Web Server 6.1 to `max-request` in Web Server 7.0.
16576024	Doc: The button to copy the configuration is **Duplicate** not **Copy**. See The Button to Copy the Configuration is called Duplicate not Copy.
16583088	SNMP statistics cannot be gathered for both 32-bit and 64-bit Oracle iPlanet Web Server instances.
16589719	Doc: Enhance Oracle iPlanet Web Server reverse proxy set up instructions. See Information on the Sticky Cookie Parameter.
16661593	Problem running NSAPI plug-in on Oracle iPlanet Web Server 7.0.15 and Solaris 11.
16669390	Doc must list bug 12176204. See Issues Resolved in 7.0 Update 2.
16675649	`fn=set-default-type` does not recognize `charset` header already in response.
16741509	Oracle iPlanet Web Server 7.0.15 uses substantial swap space in (Exalogic) Solaris 11.1.
16758897	Doc: Unable to create an ACL based on the incoming referrer header. See Unable to Create an ACL Based on the Incoming Referrer Header.
16853609	`htaccess` does not handle IP address when internet 6 is set for protocol family.
16889404	CGI cannot take content length greater than 2GB.
16911058	IPV4-mapped address does not work with ACL.
16931512	Oracle iPlanet Web Server 7.0 to bundle JDK7 instead of JDK6.
17059127	Oracle iPlanet Web Server 7.0 must use JMX 2.0 for administration server to work with JDK 7.
17222335	The code `<% session.setAttribute("k",null);%>` does not work when session replication is on.
17286373	GET request fails when it contains <tab> or extra <space> characters.
17445403	Doc: Fix the typo " Administration Server cashes..." See Issues Resolved in 7.0.16.

B.10 Issues Resolved in 7.0.17

This section lists the issues resolved in Oracle iPlanet Web Server Relaese 7.0.17.

Issue ID	Description
13574210	Watchdog can leak memory on Unix platforms.
14536445	Web server crashes on servact_addlogs when using NSAPI restart.
14554106	Disable symbolic link can change processing.
14648134	`ampersand` in `webDAV PROPFIND` response not encoded in `src` and `dst` tags.
14664654	Doc: `max- procs` should be removed from the product document of Web Sserver 7.0. See Invalid Information About the Parameter max-procs.
14694989	Core truncates the request data in presence of filters and content- length.
14846823	http compression needs to check for transfer-encoding chunked.
14847166	Doc should list 14094667 as an issue fixed in 7.0.16. See Issues Resolved in 7.0.16.
15840953	Doc: update readme to add required patch for Web server 7.0.16 on 64- bit Linux 6.X. See Linux 6.x Patch.
15874248	Oracle iPlanet Web Server 7.0 needs JDK 7 certification.
15952066	Failure reading chunked post data in SSL.
16088397	In Web Server 7.0, `server.xml conn-queue` and KA settings does not check max OS FD number.
16093987	When OS FD =2G, auto tuning may set file cache Fd = zero.
16384686	Doc: correct the broken link for NSS. See NSS Updated to 3.12.8.

For information about issues resolved in previous Oracle iPlanet Web Server 7.0 releases, see Issues Resolved in Previous Web Server Releases.

B.11 Issues Resolved in 7.0.16

This section lists the issues resolved in Oracle iPlanet Web Server Release 7.0.16

Issue ID	Description
12068601	Documentation for htpasswd command. See Information about the htpasswd Command.
12308574	Sed-response appends `ext NEWLINE \n` to the Response, regardless of sed rules.
13493902	Docs need to provide information on the supported usage and limitations of dynamic changes in `htpasswd` during web server run time. See Web Server Security Issues.
13611326	In the console mode, the installer must display `Start Administration Node` when creating administration node.

Issue ID	Description
13612190	`Watchdog-driven` log rotation can be modified.
13831388	Oracle iPlanet Web Server 7 returns invalid xml for `webdav PROPFIND` directory that has an `ampersand` in its name.
13860860	Oracle iPlanet Web Server needs to ship updated JDK:1.6.0_33
13918547	When using Administration GUI console, specified LDAP authentication database does not exist.
13984399	Administration server crashes when parallel instances are started in non-C locale. Doc needs to update Solaris patch number. See Solaris 10 (SPARC and x86) Patches.
14019888	Oracle iPlanet Web Server installation on Red Hat Enterprise Linux and Oracle Enterprise Linux requires file `libstdc++.so.5`.
14094667	`.ht access` file dynamic change during loads can cause web server crash for Web server 7.0.
14207464	When the instances are SMF-enabled, if you create or delete a new instance with SMF service, all other running instances with SMF services are restarted.
14223471	Administration instance SMF service cannot be disabled on Oracle iPlanet Web Server 7.0.15.
14223540	SMF service for administration server cannot be deleted by using the `wadm` CLI command.
14236877	Administration CLI must allow create or delete service for administration server configuration.
14248615	Error occurs when you recreate an SMF-enabled configuration.
14271270	Add support for blocking I/O on the operating system socket when `MaxProcs` >1.
14272703	Change in the default handling OT query strings in the `redirect` SAF.
14341484	`sed-response` output filter adds 1 additional byte to the end of a response body regardless of rule.
14396341	Support needed for Oracle Enterprise Linux 6.2 and 6.3.
14398581	When admin instance is not SMF-enabled during installation, but SMF-enabled via UI later, the instance cannot be stopped using `stopserv` command.
14408205	Attempt to stop the administration instance fails if one or more SMF-disabled instances are started via administration interfaces.
14463712	Encode the special character & in the URL `UTIL_URL_ESCAPE`.
14469503	Doc:`.noStartOnBoot` file under instance root can control auto-start. See Create .noStartOnBoot File to Control Autostart.
14471309	The message `ADMIN3984` gets logged twice while saving LDAP authentication database for administration. This happens only the first time.
14471778	When you click **Save** on the **Administration Node** page, the message `ADMIN3984` gets logged for non-existence of LDAP authentication database.
14475514	The message `ADMIN3984` gets logged when resetting authentication database when LDAP properties are lost.
14512832	Doc needs to provide the information that **Search Collections** does not support PDF 9.0. See Search Collections Does Not Support PDF 9.0.

Issue ID	Description
14553796	In Web server 7.0.15, instances cannot be SMF-disabled when the admin instance is set to be SMF-enabled.

B.12 Issues Resolved in 7.0.15

This section lists the issues resolved in Oracle iPlanet Web Server Release 7.0.15.

Issue ID	Description
12306447	Docs need to provide information on how to protect a resource See Information About Securing a URI Using an Authentication Database.
12584046	Admin server hangs when SMF is enabled
12643441	Crash in fastcgistub process
12657657	Reboot of OS causes newly created SMF service to go from enabled to disabled
12777290	Doc has the incorrect `-d "com.iplanet.ias.server.logging.serverlogmanager"` See Correction to JVM Option Example.
12833917	"-" lost after configuration virtual-server access-log format from the admin console
12844341	Server sends invalid range data if content of the file changes
12856417	Specially crafted shtml URIs can crash the web server
12877126	Repeated crash in function `void httprequest::processqos()` after setting QoS
12894984	Range request with If-Range with Etag does not return full content if file is changed
12919247	set-cookie response has an extra space between "path=" and "; httponly"
12919334	Range header DoS vulnerability
12989862	Fix request for 6932016 should add info regarding 7003615 See problem ID 6932016 in Table 2-5.
13011275	Add minimum required memory and minimum recommended disk space to release notes See Supported Platforms.
13251178	Admin console shows long URL link for configuration name
13439900	"allow" header contains incorrect HTTP methods; for example, trace on 405 responses
13473614	`maxprocs` > 1 causes logging into rotated access/errors log files
13484895	ktsearch needs to be updated
13540300	Doc bug regarding default value of keep-alive threads See Correction to Default Number of Keep-Alive Threads.
13543379	HTTP listener port is still open after changing the port through the admin console
13546987	Log rotation not working in multiprocess mode
13559815	With high system FD limits (2G), autotuning causes the server to crash
13560430	Description of limit queue length not correct See Clarification About the Limit Queue Length Shown in the perfdump Report.
13586813	Certification on Oracle Enterprise Linux 6

Issue ID	Description
13586985	Certification on Oracle Solaris 11
13620632	`403 forbidden` returned for some contents when ACL is configured with SSL
13681165	JDBC connection leak when connection is set to autocommit false and when the JDBC connection pool is set with connection-validation=true and with table mode
13683057	Unable to read a cookie value containing double quotation marks
13700818	Migrate `maxparametercount` property of Java element in DTD
13700834	Add admin console option to specify `max-parameter-count`
13725520	Web server is crashing when SSL session cache is disabled
13817143	JDBC monitoring for leased connections not correct after database failover
13874425	If open FD limit of system is set to 2G, thread-pool queue-size does not work
13889880	7.0.13 patch causes problems with F5-BigIP See TLS Communication Through Certain Load Balancers Breaks in 7.0.13 and Later Releases.

For information about issues resolved in previous Oracle iPlanet Web Server 7.0 releases, see Issues Resolved in Previous Web Server Releases.

B.13 Issues Resolved in 7.0.14

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.14.

Issue ID	Description
13565231	Need configurable property to restrict number of parameters a JSP or servlet can use, to prevent Java hash table collision (CVE-2011-5035, vulnerability 903934)
13707603	Hash collision fix needs to reset parameter count to process requests

B.14 Issues Resolved in 7.0.13

This section lists the issues resolved in Oracle iPlanet Web Server 7.0.13.

Issue ID	Description
13079329	RFE: Limit keep-alive requests on a single TCP socket in Oracle iPlanet Web Server 7.0
13355800	Add option to limit keep-alive requests to resolve CVE-2011-3389
13355817	CVE-2011-3389, TLS 1.0 vulnerability
13405070	Integrate security version 3.13.1 with Web Server 7.0.13
13455620	Doc: Document the newly added listener property `max-requests-per-connection`

B.15 Issues Resolved in 7.0.12

This section lists the important issues resolved in Web Server 7.0.12.

Issue ID	Description
12219154	Incorrect layout in the Installer help.
12249856	Windows return Forbidden instead of "Not Found" for URI length greater than 176 characters.
12285988	Doc: Additional documentation required when using SMF on Solaris 10. For more information, see Using SMF on Solaris 10.
12301718	admin: Web Server 7 Admininstration GUI threw an exception error ADMIN3594, when pull and deploy a manual change in config.
12301907	admin: Web Server 7 - Error in administration server log when a Japanese customer used `Accept-Language: ja` (also for Chinese).
12302497	Cannot install Web Server 7.0.9 when "Identity Synchronization for Windows" is already installed.
12303923	Doc: Do not change Windows during CSR. For more information, see Web Server Administration Issues.
12304500	Crash at function Lasipeval when ACL file contains the IP address.
12304725	web doc RFE - PID file will disappear in some Red Hat Linux operating system and then unable to stop the server.
12305178	Web Server 7.0: RPP, not RFC complaint with regard to the added Via header.
12305221	Race condition in lookup function can result in accessing deleted memory pointer.
12305440	Web Server 7.0: Reverse Proxy Plug-In percent encodes the '+' character in a URL.
12305700	Web Server 7.0.8: content-type header gets added twice.
12305812	Windows - Renew certificate with OU=COMMA and space inside caused ADMIN4078 `CertificateMgrUtil.exe` error.
12305828	Race condition in stale condition measurement results in idle connection deletion under stress.
12306018	Web Server7: Doc: `.exe` files cannot be downloaded in default configuration. For more information, see Web Server Installation Issues.
12307171	Administrator GUI ACL Control List that denies access With "Respond with URL" message cannot be changed after set.
12307182	Web Server 7.0 crashes in `Set-Default-Type` on Red Hat 5.5 (7.0.9).
12307239	Web Server7.0U9:Unable to retrieve session objects.
12308375	Doc: Add a section for Reverse Proxy Plug-In (RPP). See `http://docs.oracle.com/cd/E19146-01/821-1828/ghquv/index.html`.
12308571	Primodial process keeps accessing the rotated access and error logs.
12308871	Server sends invalid range of data if the file content changes.
12309078	PWC4011:Unable to set request character uncoding to UTF-8 from context.
12309413	admin: Administration console deploy configuration changes throws error - Exception : ADMIN3011: T.
12309860	admin: cannot include double quotes in O value for CSR with ADMIN4120 message.
12310193	admin: Not able to supply 2nd token pin via `--password-file` option (OIWS 7).
12354092	Doc: CR#6947733 is not listed. For more information, see Problem with `set-cookie` Header and Web Server Core Issues.

Issue ID	Description
12354365	`Set-cookie` adds `httponly` parameter automatically on Web Server 7.0.9.
12382350	Web Server 7.0u9 crashes in `INTUTIL_IS_URL`.
12634549	Integrate security version 3.12.10 with Web Server 7.0.24.
12682013	Doc: Document `password-file` used in `wadm` CLI should contain token name in small letters. For more information, see Token Name.
12685874	Doc: PID file disappears in the Red Hat Linix operating system and later the server cannot be stopped. For more information, see PID File Disappears in Red Hat Linux.
12693227	Upgrade NSPR libraries to the latest version
12714871	Doc: Need an option that disables to escape the original URL in reverse proxy. For more information, see Introducing `exclude-escape-chars` Parameter in `http-client-config`.
12721207	Doc: Workaround for Bug#12657657. For more information, see Web Server Administration Issues.

B.16 Issues Resolved in 7.0.11

This section lists the important issues resolved in Web Server 7.0.11.

Issue ID	Description
7007933	Upgrade to 7.0.10 fails from 7.0u2 onward
7018896	JDK 6 update 24 bundled with 7.0.11
7022621	JDK versions supported for WS7 See Supported JDKs

B.17 Issues Resolved in 7.0.10

This section lists the important issues resolved in Web Server 7.0.10.

Issue ID	Description
6908578	Admin GUI combines schedule of two different servers on search
6939452	Nonconfigured scheduled maintenance to search collection entries seen in WS7.0 migrated configurations
6953631	HTTP2228: Response content length mismatch and problems with referer header
6960107	Attempt to change temp directory fails when server is running
6962650	Cannot display CA with "&" inside certicate nickname in the admin GUI; example: AT&T CAs
6965425	Kerberos : "auth-user" in "rq->vars" pblock MUST be set when Kerberos Auth-db is being used
6968390	htaccess : large(>1024) line in group file is causing authentication issues

Issue ID	Description
6968626	Kerberos : `gssapi.cpp` should delete user from subject Plist rather than resource Plist
6968996	Kerberos: `get_auth_user_gssapi` function should have a return value in all cases
6971888	Web Server startup fails because of incorrect linking of xerces library on Solaris x86
6972007	ADMIN3763 error when admin node hostname is not lowercase
6978321	Web 7 can hang when servlet cache is enabled and customer Java code throws exception
6981086	Reverse proxy crashes inside `log_error_v` originated from (`proxyerror_agent_errorf`)
6982551	ACL cannot delete correctly by admin GUI
6987881	Integrate security version 3.12.8
6993394	Bundle latest JDK update 22

B.18 Issues Resolved in 7.0.9

This section lists the important issues resolved in Oracle iPlanet Web Server 7.0.9.

Problem ID	Description

6611067	**Red Hat Enterprise Linux instance fails to start when the file system SELinux security is enabled.**
	
	Newer Linux distributions have new kernel security extensions enabled from the SELinux project. These extensions allow finer grained control over system security. However, SELinux also changes some default system behaviors, such as shared library loading that can be problematic to third-party programs. If you receive the error message "Cannot restore segment prot after reloc: Permission denied" when starting the Web Server administration server or instance, that means the system is SELinux enabled.
	
	Workaround
	
	1. Change the default security context for the libraries loaded by Web Server by running the following commands:
	
	`chcon -t texrel_shlib_t $WS_DIR/lib/*.so`
	`chcon -t texrel_shlib_t $WS_DIR/jdk/jre/lib/i386/server/*.so`
	
	2. Disable SELinux by adding the following line to the `/etc/sysconfig/selinux` file.
	
	`SELINUX=disabled`

6837680	range header in reverse proxy does not take multiple values
6885216	WS7.0u6:wadm does not print error when password file is not correct
6896709	Web Server 7.0 does not handled web apps deployed outside the installation path correctly
6899047	conn->elapsed does not get refreshed for new ka request in low latency mode (request header timeout).
6901051	unable to install a cert if o or ou contains comma

Problem ID	Description
6911225	PAM auth : Passwd aging causes webservd to dump core in free_resp function
6911277	Server return 404 for /j_security_check -ending URLs
6913746	unable to startup the server if the first character is a digit in the hostname
6914493	regression: wadm reset-admin-password command fails on Web Server 7.0 U6 and U7
6917800	doc bug for Web Server 7 auto tuning which may cause a large memory usage
6920807	Admin GUI "Certificate Authorities tab" and wadm "list-certs" showed error in Japanese Windows operating system
6927134	web 7u8 - Admin GUI will add additional IF/ELSEIF in the <virtual-server>-obj.conf
6928578	htaccess config causes websever to crash on RHEL & SUSE Linux installation
6928808	ClassCast exception for HEAD requests on Java resources that do request dispatching
6931166	LIBPATH needs to be fixed for AIX 5.3/6.1 JDK6SR7 certification
6933187	Interval in check offline server of loadbalancer should be configurable.
6940796	net_read can set EAGAIN in errno when it times out.
6944895	web 7 RPP missing jsessionid
6947057	web7 RPP docs - to add retries parameter in docs
6955691	WS7: webdav crash when max-xml-request-body-size set to unlimited
6958053	web 7: file with comma in its filename inside a war file cause Admin GUI "Deployment Pending"
6960564	Installation of WS7U8 on IBM AIX 6.1 generates an error message but is successful.
12354092	CR#6947733 is fixed.

B.19 Issues Resolved in 7.0 Update 8

This section lists the issues resolved in Sun Java System Web Server 7.0 Update 8.

Problem ID	Description
6916391	Digest authentication buffer overflows.
6916392	TRACE heap overflow.
6916390	WebDav format string bug.
6916389	WebDav stack overflow.
6917879	TRACE request with empty header names can cause malformed responses.
6930175	Web Server 7.0 Update 8 supports Windows 2008 Standard Edition Service Pack 2 32-bit(x86).

B.20 Issues Resolved in 7.0 Update 7

This section lists the issues resolved in Sun Java System Web Server 7.0 Update 7.

Problem ID	Description
6888100	While migrating from Web Server 7.0 Update 5 to Update 6, the LDAP authentication fails because rebind is not done after password validation.
6898371	Severe `TLS/SSL` protocol vulnerability. It requires NSS upgrade
6811286	Admin GUI becomes unresponsive when large web application has been deployed.
6849009	When using the admin gui or CLI to list the certificates using `CertificateMgrUtil` in Web Server 7.0 Update 4 and Web Server 7.0 Update 5, it can take over 60 seconds to perform the listing.
6855262	Web Server runs out of FILEs when using >=128 vcpus
6855513	In Web Server 7.0 Update 7, the `thread-pool` auto configuration algorithm is broken.
6857815	Kerberos/SPNEGO support was added.
6867192	Web Server 7.0 Update 7 documents auto configuration feature for configuring the `max-threads`, `thread-pool queue-size`, and `keep alive max-connections`.
6869991	Xerces C library has a vulnerability.
6880214	Web Server 7.0 needs to bundle JDK 6 instead of JDK 5 as JDK 5 is getting EOSL-ed.
6881339	Server crashes if `async` request is aborted by keep alive thread (if stats is turned on).
6882830	Single-Sign-on (SSO) for FORM authenticated application, the `JSESSIONIDSSO` cookie is not set.
6887782	If `PR_GetSockName` fails, then `Connection::create` will return failure and then the connection gets added in both unused and Ready Queue.
6741844	In Web Server 7.0 session failover does not happen after "Invalid Sequence Number" exception is thrown.
6763470	LDAP group authentication from Microsoft Active Directory fails if user name has a "," in between.
6815996	Web Server 7.0 Update 4 64 bit crashes when accessing a file in a directory that has a `.htaccess` file.
6830258	Web Server closes the Keep alive connections much before keep alive timeout (poor QoS on Specweb on Linux).
6841548	The `flexlog.cpp` code is optimized.
6849198	The URLs of server side include files work after "/" is appended to URL.
6857790	The administration server's auto tuning of threads takes lots of resources on CMT systems.
6873985	Web Server 7.0 Update 7 documents the list of unsupported file formats that can't be indexed and searched.
6875450	Web Server 7.0 Update 4 core patches (SPARC, x86) includes the localization patch "126332-06" in `SUNW_REQUIRES` field.

Problem ID	Description
6877764	Web Server 7.0 Update 7 will not return `Content-type: text/html` when there is no message body.
6878259	Webstack PHP support for Sun Web Server 7.0 Update 7.
6885643	Web Server 7.0 `classdebuginfo` set to false is not working with JDK6.
6897071	Web Server 7.0 Update 6 - Admin GUI shows null in NODES when installed with external JDK.
6567720	Enhances admin framework to support enabling Kerberos authentication.
6853924	Web Server 7.0 Update 7 states that when renewing a certificate the key size can be changed.
6854885	Web Server 7.0 CA-signed certificate created through admin GUI is not associating the certificate with listener.

B.21 Issues Resolved in 7.0 Update 6

This section lists the issues resolved in Sun Java System Web Server 7.0 Update 6.

Problem ID	Description
6854841	Web Server 7 appears to ignore any attempt at configuring the "`classdebuginfo`" in `sun-web.xml`.
6813426	Detailed error message should be logged when adding of PDF documents to search collection fails.
6801517	Virtual server creation will fail if there is a trailing space in the "Name" or "Hosts" fields.
6809090	Self-signed certificate should use SHA1 as signature algorithm.
6856484	Error while renewing a certificate in Sun Metaslot.
6847901	Web Server should bundle the latest SASL.
6707244	Race condition in the JVM when deploying a web application that contains a logger.
6856472	`<request-header-timeout>` should default to 30 from -1.
6826625	Remove the Localization package/patch dependency check in the `checkinstall` script.
6781962	Favicon is not displayed correctly in Internet Explorer 7.
6749879	LDAP authentication fails with Directory Proxy server where anonymous authentication is set to false.
6806858	ACL vulnerability (when dynamic group is used) allows non-authorized user to login.
6811110	LDAP update in the Administration GUI fails if LDAP is a Directory Server consumer.
6832878	In the Administration Console, the new configuration wizard text has to be improved.
6801700	When configuring the error code for request limits, there is no mention of valid values.
6814138	Last Modified date and the creation dates are incorrectly displayed in `PROPFIND`.

Problem ID	Description
6856456	Last line of installation log file points to itself. The end of the log file has reference to the same file for more information.
6834762	In certain scenarios, "`Unable to connect to the node host`" error from the Administration Server.
6848803	CLI page for `add-webapps` and Admin Guide's page titled 'Deploying Java Web Applications' should be updated.
6828720	`use-responseCT-for-headers` should be documented.
6827940	Support for FastCGI `suid` environment on RHEL5.0 in Web Server 7.0
6809081	Sample application documentation must say that the administration server must be started for `ant` deploy to be successful.
6860680	Windows vulnerability — Appending "`::$DATA`" to the file extension discloses the contents of JSP page.
6841507	Document typo in 7.0 U5 Administrator's Configuration File Reference Guide.
6834770	Very little information about `virtual-server-name_obj.conf` in documentation.
6839431	ADMIN4159 error while renewing a certificate in Sun MetaSlot.
6842383	Document the configuration settings necessary to get the FastCGI `suid` environment working for the different operating system platforms.
6841454	CSR generated while renewing a CA-signed certificate needs formatting in GUI.

B.22 Issues Resolved in 7.0 Update 5

This section lists the issues resolved in Sun Java System Web Server 7.0 Update 5.

Problem ID	Description
6732548	`create-fastcgi-handler` **does not work as expected when value of** `app-args` **is specified as "a=b" or "c=d".**
6750707	**Admin CLI does not accept input strings that has multibyte characters.**
6723824	**Migration from the previous versions of Web Server to Web Server 7.0 Update 3, resulted in unusual migration log files, although the migration of instance was successful.**
6764940	`obj-https-INSTANCE.conf` **is different from** `obj.conf`. `<https-instance>-obj.conf` gets created when a first change is made to `obj.conf` from the administration server GUI or CLI. This situation occurs only if the Client tag is added, before this first change is made to the instance configuration through the administration server. Once the `<https-instance>-obj.conf` is created, the same steps does not simulate this phenomenon.
6765451	**The administration server adds the** `check-request-limits` **function at an invalid location in** `obj.conf`. While configuring `check-request-limits` function to `obj.conf`, you should ensure that it is inserted before `find-index` function.
6769410	**Variables are removed from** `server.xml`. The null values for the CGI variables names, of a migrated instance, cannot be saved in the admin GUI. Hence they are removed from the `server.xml`.

Problem ID	Description
6772188	**Web Server 7.0 Admin GUI, throws the following error when Java is disabled- "BreadCrumbsModel: index out of bounds 1".**
6709085	**The administration server fails to start.** The admin tools allow default language to be set to `zh_cn`, after which the server will not start and throws an error: ```config:CONF1104:File /sun/webserver7/https-agc184.PRC.Sun.COM/config/server.xml line 98: Invalid <default-language> value:zh_cn```
6759756	**Permission error occurs while uploading a** `.war` **file using the admin GUI.**
6762245	**Usage of blank spaces while creating a new configuration, using admin GUI, throws an error.**
6777195	**The** `setNodeProperties` **in** `NodeMBean` **always rewrites the** `server-farm.xml`**. While rewriting, it converts the host name entry of the node to lowercase.**
6772231	**The administration server hangs during startup or configuration listing or any activity that is not directly on the instance or node.**
6780377	**The Web Server 7.0 administration server fails to recognize the** `reason`**parameter of** `send-error` **SAF.**
6793862	**The administration server fails to recognize Extended Validation SSL Server Certification.**
6798954	**Web Server should support binary logging.**
6542360	**Setting** `java-home` **of the administration server does not propagate the settings to admin scripts.**
6781234	**Web Server 7.0 has a problem while using JSTL**`tlds` **and**`jaxp`**.**
6790392	**Web Server 7.0 Update 3 displays a blank screen as a response to**`maxSessions`**, instead of an error response.**
6768357	**NSAPI functions like** `vs_get_mime_type` **crashes Web Server for internal non-HTTP requests.**
6776108	**Increase** `MaxKeepAliveThread` **limit from 128 to 256.**
6781976	**Require binary logging, as access logging is affecting performance.**
6806781	`%Req->reqpb.clf-request.protocol.version%` **is not set properly in binary mode and hence** `binlog` **throws an error.**
6707017	**Web Server setup fails when a localized directory is specified for document root.**
6753741	**Web Server installer throws a "PatchListener-Solaris-detectPatches-Failed" error under certain circumstances.**
6774822	**During** `unconfigureServer` **process a warning message "WARNING: ADMIN2028: Error removing init scripts" is displayed in case of AIX.**
6775953	**Update Web Server plugin to work with Netbeans 6.5.**
6722375	**Patches 125437-14 and 125438-14 are not alternate root compliant.**
6779166	**Web Server 7.0 Update 3 does not scale well on Windows, when compared to Apache.**

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Problem ID	Description
6781147	**Web Server 7.0 Update 3 throws an error while trying to create a search event by Japanese encoding.**
6761027	**In Web Server 7.0, wildcard pattern matching for ACL does not work properly with IP addresses.**
6775403	`REQUEST_HEADERS:'/ regular expression /'`**does not work properly.**
6773327	**Enabling** `sendfilev` **for JSP applications can cause the server response to fail.**
6775948	`Include` file missing in `nsapi.h` throws a warning message while compiling some NSAPI modules. **Workaround:** Add `include <netdb.h>` before `nsapi.h`.

B.23 Issues Resolved in 7.0 Update 4

The following table lists the issues resolved in Sun Java System Web Server 7.0 Update 4.

Problem ID	Description
6708647	**Set environment variables REQUEST_URI and SCRIPT_FILENAME in CGI and FastCGI subsystems.**
6715164	**When starting a server instance that has a long running plugin initialization, the administration server process produces high CPU load.**
6740996	**Incompatibility with Reuters IFP leads to server crash.**
6747181	**Renewed/new certificates are not utilized after configuration is deployed and restarted.**
6620166	**Session failover behaves incorrectly when two NICs are active on deployed nodes.**
6663982	**default-sun-web.xml is not referenced.**
6707017	**Setup fails when a localized directory is specified for Document Root.**
6708894	**The new Virtual Server wizard does not allow non-ASCII characters.**
6712479	**When using a LDAP authentication database, with a base DN having UTF8 characters, it causes an error such as:** `ADMIN3143: Base DN 'ou=k?v?nok,dc=red,dc=iplanet,dc=com' does not exist`
6713238	**Web Server 7.0 Update 2 shows an error on startup, when the document root directory name ends in a .war.**
6713786	**When upgrading Web Server 7.0 Update 2 to Update 3, some no longer required files are left behind.**
6714230	**CgiStub exhibits unstable behavior when freeing file descriptors on Solaris.**
6716553	**An error is reported when creating a certificate with some Country selections.**

Problem ID	Description
6717187	**State is sometimes not properly referenced when configuring new server configurations.**
6717328	**The registration page in setup displays very small text fields.**
6718752	**Upgrades from previous Update releases fail, if there exists a file named https-<instancename>.**
6721107	**The administration server does not startup on a new Java Enterprise System installation.**
6721193	**When deploying a web application using Admin GUI, the target directory is ignored if the file is on the server.**
6722701	**Silent install fails if CONFIGURE_LATER is set to true.** `CONFIGURE_LATER=true`
6722702	**unconfigureServer is required when server is configured in configure later mode.**
6722727	**Create service in Admin GUI allows you to create a service, even when the service already exists.**

6724246	**An incorrect error message is displayed in Admin GUI while saving the "Forward Parameters" as below:**
	
	`Child 'from_hidden' does not have a registered descriptor`
	`  in 'editReverseProxyPS1'`

6728160	**htaccess can cause server crashes.**
6729296	**Temporary directory of the administration server /tmp/admin-server-xxx with /tmp/admin-server-xxx/configname/extracted/config/server.xml file is not being deleted, during a ./admin-server/bin/stopserv.**
6731124	**If a request is wrapped by a servlet or filter and forwarded to a static resource, an incorrect error HTTP 405 is returned.**
6740786	**<If> statements can corrupt the obj.conf files in the administration server.**
6714929	**SNMP is not compatible with default tcp_hiwat setting on Solaris 10.**
6741649	**In Update 2, the output of get-perfdump should not include sessions that are in keep alive mode.**

6743019	**When using Admin GUI in French locale the error message does not give the nodename during deployment, as shown below:**
	
	`The administration server has detected that you have modified some of the`
	`  instance configuration files on the following nodes: <b>\{0\}</b>.`

6751264	**In the French and Japanese locale Admin GUI, Sun Online account signup form for registration is not being properly displayed.**
6760687	**The administration server does not always display the latest certificate.**
6765564	**The online installer help does not properly reflect removal of language packs from the installer component panel.**
6766109	**Creating a new configuration with CGI Enabled as File Type causes a failure.**
6629611	**Toggle state in some administration server tables is incorrect.**

Problem ID	Description
6633333	**Links do not point to localized sun.com sites.**
6608135	**Search engine fails with an error, when a html document with title contain characters like A&B.**
|6705752	**The Admin GUI does not allow server header to be suppressed.**
6708548	**Provide consistent translations in German locale.**
6709378	**Inconsistency exists between button in a description and button's label.**
6709427	**A part of the table title in logviewer is corrupted.**
6711035	**Part of the French translation on Web Server parameters page is cut off.**
6711518	**Inconsistent translation of "Core Server" in French locale.**
6712045	**Button labels and Message strings should have consistent translations.**
6723559	**Allowed to register, even though the password and re-entered password are not identical.**
6733189	**The wadm cli does not display web application path.**
6754078	**The Japanese Admin GUI displays garbled messages.**
6762559	**Inconsistent translation of Reverse-proxy.**
6763094	**Bad translation of the term 'fancy' in French locale.**
6715350	**In Japanese locale, the OLH have invalid character.**

B.24 Issues Resolved in 7.0 Update 3

The following table lists the issues resolved in Sun Java System Web Server 7.0 Update 3.

Problem ID	Description
6387762	**Cannot access shell/system variables from wadm.**
4793938	**User and password dialog presented instead of directory index.** By default, Web Server 7.0 does not send a directory index unless the user has been authenticated. Attempting to access a directory prompts the user to enter a user name and password. This occurs because the default Access Control List (ACL) in Web Server 7.0 grants the list access right only to authenticated users.
6426116	**Clicking on the Version button in the Admin Console result in "file not found" warning in Administration error logs.**
6446206	**When a single user in group is deleted, an incorrect message "Group Saved Successfully" is displayed.**
6431984	**Web Server should store its pid file and UNIX domain sockets in /var/run instead of /tmp.**
6475536	**No obvious way to reset the administration server password.**
6489727	**[JESMF CONFORM] CP when stopping should call MfManagedElementServer_stop().**

Problem ID	Description
6493971	**The administration server does not time out if the server instance restart does not respond.** On UNIX systems, the Administration Server waits until the server instance is restarted when the `restart-instance` command is executed. If the instance is not successfully restarted, the Administration Server does not respond to requests.
6515745	**SNMP master agent process fails to start on Web Server**
6545779	**On Windows, wdeploy command fails if older version of libnspr4.dll is found in the system32 directory.**

6606243	**Web Server installer should import the admin self signed certificate into IE certificate tab.**
	
	When the Admin Console is accessed using a browser, a pop-up (in the case of IE6 and Mozilla/Firefox) or a warning page (IE7) may be displayed stating that the certificate is not issued by a trusted certificate authority. This is because, the administration server uses a self-signed certificate. To proceed to the Administration GUI login page, do the following:
	
	• On Mozilla/Firefox, click OK in the pop-up window.
	• On Internet Explorer 6, click Yes in the pop-up window.
	• On Internet Explorer 7, click the "Continue to this website" link in the page.
	
	This procedure will accept the certificate temporarily for that browser session.
	
	To accept the certificate permanently, follow the steps below:
	
	• **On Firefox/Mozilla:**
	Select the "Accept this certificate permanently" radio button in the pop-up window and click OK.
	
	• **On Internet Explorer 6.0:**
	  1. Click the "View Certificate" button in the pop-up window.
	    Displays another pop-up window.
	  2. Select the "Certification Path" tab, select the `admin-ca-cert`.
	  3. Click the "View Certificate" button and then on "Install Certificate..." button.
	    Invokes the certificate import wizard using which you can import the admin CA certificate into the trusted root certificate database.
	
	• **On Internet Explorer 7:**
	  1. Click the "Continue to this website" link on the warning page.
	    The login page is displayed.
	  2. Click the "Certificate Error" link located next to the address bar.
	    A warning window is displayed. Click the "View certificates" link.
	  3. Follow the steps 1 to 3 as described in the section "On Internet Explorer 6" to import the admin CA certificate into the trusted root certificate database.

6606132	**Create self signed certificate fails when the "Sun Metaslot" pin is not set**
6709477	**GUI Registration reminder does not show up properly on IE6** IE6 select element does not support z-index which is necessary for layering to work. Thus, if there is a layer, registration reminder, overlapping the drop downs (config and vs) , the drop downs will still be visible.

Problem ID	Description
6639402	**Connection queue size set by server for 1024 max file descriptor is very less (128)**
	Web Server reserves the file descriptors for various components. If connection pool queue size, file cache max open files and keep-alive max connections are not set, then after reserving file descriptors for other components, Web Server divides the available descriptors among three. On systems where default value of max file descriptor is low, for example, Solaris 8 and RHEL, the connection pool size might be set to a low value. For example, on RHEL, the default value of max file descriptors is 1024. If the connection queue size is not assigned, then Web Server assigns 128 connections to connection queue. The value can be very low on busy systems. If connections starts timing out, users should set higher value for max file descriptors.
6644322	**Memory leak in Fastcgistub causes hang in the Fastcgi sub-system**
6474037	**Exception installing Web Server on Ubuntu.**
	On Linux Ubuntu, the package which contains the `/bin/domainname` is not available by default. You must install these packages for the Web Server installation to succeed.
	To install the package, enter the following command:
	`sudo apt-get install nis`
6414481	**Web Server cannot be installed without installing compat-libstdc++.**
6641672	**REDHAT ES4.0 Linux 64-bit installation fails by having compat-libstdc++-33-3* (64-bit)version**
6472668	**On Windows, Web Server installation should use -Xrs JVM option by default.**
	Workaround: See Oracle iPlanet Web Server Administrator's Guide.
6559918	**Unclear error message if CLI and Administration Server versions are incompatible.**
	While upgrading Web Server 7.0 installation to Web Server 7.0 Update 2 , make sure that the entire setup CLI, Administration Server and all the administration nodes are also upgraded to Web Server 7.0 Update 2. This is because, Web Server 7.0 administration interfaces will not work correctly with Web Server 7.0 Update 2 administration interfaces.
6595795	**The Admin Console does not add the required functions in the obj.conf file for a migrated instance.**
	When a JVM disabled Web Server 6.0 instance is migrated to Web Server 7.0 and when the migrated instance is enabled with the JVM option using the Admin Console, the process does not add the following necessary lines in `obj.conf` file.

	`NameTrans fn="ntrans-j2ee" name="j2ee"`
	 `PathCheck fn="find-index-j2ee"`
	 `ObjectType fn="type-j2ee"`
	 `Error fn="error-j2ee"`

6641844	**On Windows, server fails to start after upgrading from Web Server 7 that is part of the Java ES 5 release to Web Server 7.0 Update 2 release using the patch.**

Problem ID	Description
6644314	**Security patch 121656-16 is a mandatory perquisite for Sun Java System Web Server 7.0 Update 2 Linux patch on Java ES 5/U1**. However, the security patch exhibits cyclic dependency, hence making it impossible to apply any of the patches.
6640206	**Upgrade fails when upgrading to U2 when no sample apps is present in the existing installation.** On non-windows platforms (Solaris, Linux and HP-UX), if you have installed Web Server 7.0 or 7.0 update 1 without sample applications and if you upgrade to Web Server 7.0 update 2, you will see the following error message: `A problem occurred during upgrade. To troubleshoot the problem, review the installation log at: <install-dir>/setup/ Sun_Java_System_Web_Server_install.log` **Note:** This error does not impact the upgrade.
6559735	**Sample applications documentation must mention adding jar file to the class path in the properties file.** In the *install-dir*`/samples/java/webapps/security/jdbcrealm/docs/ index.html`, under 'Compiling and Assembling the Application' section, there must be a mention of adding JDBC driver jar file to class path suffix in the `jdbcrealm.build.properties` file.
6413058	**server.xml does not store the full file pattern for converting and including search .** The schema does not store the full file pattern allowed by both the Admin Console and the search administration tools in this version of Web Server. It also has no way to represent the full file pattern that might sometimes need migration from the previous versions of Web Server.
6632936	**On Red Hat Linux Enterprise Linux 5, Search functionality does not work properly.** On a Red Hat Enterprise Linux machine, if the `compat-libstdc++` library is installed, you must remove the installed `rpm` and download/install the `compat-libstdc++-296-2.96-132.7.2.i386.rpm` . For x86 32-bit and 64-bit download and install the `compat-libstdc++-296-2.96-132.7.2.i386.rpm`. **Note:** Do not download/install an `rpm` from unreliable sources as it may lead to security vulnerabilities.
6602075	**Sun crypto 1000 with Web Server needs Solaris 10 patch 125465-02 (SPARC) and 125466-02 (x86).**
6432870	**Servlet container collects statistics when stats enabled element is set to false in the server.xml file.**
6567124	**JSF Web Applications running on Web Server 7.0 may break when running on Web Server 7.0 Update 1.** Web Server 7.0 Update 1 ships with JavaServer Faces 1.2 technology. All JavaServer Faces web applications are expected to work with Web Server 7.0 Update 1 without any modifications. However, there are a few known compatibility issues with JavaServer Faces 1.2 and might require applications to be modified to address these incompatibilities. The incompatibilities are documented in the JavaServer Faces release notes at: `https://javaserverfaces.dev.java.net/rlnotes/1.2_04/issues.html`. Java ES 5 Portal Server users are suggested to delay upgrading to Web Server 7.0 Update 1 until Java ES 5 Update 1 is released.

Problem ID	Description
6549619	**On Windows 2003, when a command is executed from the CLI, the message is not encoded correctly.**
6630841	**FastCGI Handler new Role is always created with "English" name.**
6632818	**Unlocalized strings are seen in CGI settings page.**
6628910	**CLI installer "Enter your option" is in English in localization locale.**
6484181	**Portal Server configures JVM stack size to 128K (too low) for Web Server 7.0 64-bit to start.** If Web Server 7.0 is already configured in 64-bit mode, and the Portal Server installation is started, Portal Server configuration does not set stack size to 128K. However, if both Portal Server and Web Server are already installed and configured in 32-bit mode, switching to 64-bit mode involve series of manual steps that are described in the Workaround section.
6487041	**schemagen/xjc/wsgen/wsimport scripts not present in Java ES Web Server installation.** `schemagen/xjc/wsgen/wsimport` scripts are present in different locations in Java ES installation and standalone installation of Web Server.
6550622	**When upgrading Java ES 5 software to Java ES 5 Update 1, Portal Server samples fail with JSF exceptions if you have upgraded only Web Server but not the Portal Server.** For more information, see Compatibility Issues.
6643821	**SMF commands removes Java ES environment from startserv and stopserv scripts (Solaris 10 only).**
6549580	**Web Server running on Windows contains no description for the service and the description is not updated after applying Java ES Update 1 patches.**
6641175	**Streaming data (>2GB) to server using POST has problems. request.getInputStream().read() returns -1**
6576542	**Samples bundled with WS 7.0 cannot be used for experimenting session replication feature**
6600183	**Transfer-encoding header is sent after the body has been sent for fastcgi-perl.**
6613414	**iWS7.0U1 - Page-encoding is not case sensitive capable; for example, utf-8 is different from UTF-8**
6613865	**servlet container implementation of encode/decode cookies has changed from >= SJSWS6.1**
6641175	**Streaming data (>2GB) to server using POST has problems. request.getInputStream().read() returns -1**
6641231	**Uploading file > 2MB is limited by java webcontainer.**
6658609	**web 7.0 u2 jdbc resource settings do not allow -1 in maximum wait time and idle time out**
6660297	**JDBC resource pool of web70 does not work as expected after restarting RDB.**
6671260	**Can't redirect the stderr message from FastCGI into error log.** The data sent from FastCGI to `stderr` is not logged into the error log.
6671957	**compress-file function lacks documentation (SJSWS7.0)**

Problem ID	Description
6671992	**Web Server documentation needs to be more specific on filter it's scope and what they are**
6680376	**server goes into a loop given a particular htaccess configuration**
6681681	**filter is applied twice when a web-apps 's welcome file list is accessed as /contextroot** When a welcome file is accessed as `/context-root`, filters present are applied twice.
6708333	**web 7.0 u2 patch 125437-13 should doc pre-requisite of nss patch 3.11.8 or later as needed**
6697002	**pull-config garbles binary file in config/ directory due to tokenizing (SJSWS7.0u2)**
6701520	**instance does not start if the user has certain umask settings during installation**
6710993	**es, fr - OLH is not displaying, exception thrown**
6641109	**Webserver crashing configured with an NFS-mounted docroot directory** Web Server crashes if `NFS` file is removed or replaced, while using `NFS` and `MediumFileSizeLimit >0`. Therefore, you should not use `MediumFileSizeLimit>0`, if the document root is mounted over `NFS`. **Workaround:** When Web Server documents are residing on an `NFS` mount, as in `NFS` client, set `MediumFileSizeLimit` to 0 in `nsfc.conf`.

B.25 Issues Resolved in 7.0 Update 2

The following table lists the issues resolved in Sun Java System Web Server 7.0 Update 2.

Problem ID	Description
12176204	Remove `shlib_flags` parameter.
6467621	**Request to the server fails with using of "Sun Software PKCS#11 softtoken".**
6564797	**Server should automatically size connection queue, keep-alive subsystem, and file cache.**
6493271	**Java garbage collector activity is higher in Web Server 7.0 when compared against Web Server 6.1.** The servlet container in Web Server 7.0 creates many Java objects.
6497803	**If a servlet is mapped to req URI formed by partial req + welcome file, the behavior is wrong.** If a web container receives a valid partial request, the web container must examine the welcome file list defined in the deployment descriptor. The welcome file list is an ordered list of partial URLs with no trailing or leading `/`. Web Server must append each welcome file in the order specified in the deployment descriptor to the partial request and check whether a static resource or a servlet in the WAR file is mapped to that request URI. The web container must send the request to the first resource in the WAR that matches.

Problem ID	Description
6316881	**Multibyte characters in headers can not be retrieved by req.getHeader().**
	The characters are not parsed correctly, when `request.getHeader()` is called.
6554326	**The hardcoded message "ADMIN3594: Configuration changes require a server restart" is not localized.**
6565615	**In the Japanese locale online help, the description about the PAM for "Editing Authentication Databases" incorrectly states the name of Directory Server.**
	The description must be read as: "Editing Authentication Databases" PAM -- PAM is the new auth-db supported by Sun Java System Web Server 7.0.
6563951	**Search collection subdirectory with leading slash causes confusing error.**
	When you try to create a search collection and set the document root subdirectory with a leading slash, the error message produced wrongly informs you that a slash at the beginning is needed.
6571208	**Inconsistent wording found in Directory listing type.**
	The sentence "Error response file to use when indexing is None" should be changed to "Error response file to use when listing is None".
6549584	**The word "Other" in the list of countries is not translated.**
6556225	**In the Add Documents window, Included checkbox for subdirectory is not translated.**
6565615	**Japanese language help: "Editing Authentication Databases" have different description about PAM.**
6628918	**Translation issue of Admin GUI messages in Japanese.**
6628917	**Translation issue of GUI installer OLH.**
6604075	**In Java ES, Web Server 7.0 with Access Manager displays a null pointer exception.**
6479062	**Web Server fails to start when HTTP listener protocol family="nca" is used for Solaris SPARC, Linux and HP-UX platforms.**
	Web Server instance does not restart on setting the `Protocol-Family` property to `nca` in the EditHTTPListener wizard.
6464953	**Setting digestauthstate property through the set-authdb-prop CLI does not validate the value and allows to set junk value for this property.**
6504050	**The Results page in all Admin Console wizards should be aligned properly.**
6473376	**The default server.xml should not contain the <stack-size> element.**
6367751	**The create-instance command fails on remote node intermittently and logs HTTP 400 error.**
6547264	**Executing the create-instance command immediately after starting a remote node fails on the remote node.**
6468132	**The list-cert command does not list the certificates if the certificate nickname contains a colon.**
6437577	**<pkcs11> element not removed from server.xml even when child elements are absent.**
6473589	**<pkcs11/> added to server.xml when token pin is set.**

Problem ID	Description
6534202	**Cannot edit WebDAV collection properties through the Admin Console** When a configuration is deployed on multiple nodes, the `lockdb` path must be a shared location mounted on the same path on all the nodes. Additionally, to list or expire locks in the `lockdb` from the Admin Console, the same path must be writable from the Administration Server.
6554691	**The add-webapp command when used with JSP pre-compilation option does not delete the previously precompiled JSP files.**
6556820	**The Admin Console or the Admin CLI does not provide support to add CA certificates to the Administration Server.**
6489269	**'external' expression function with quoted path is not working.**
6432375	**On HP-UX, SNMP fails for some oid values.**
6483212	**On HP-UX 11.11, Web Server fails to start when max heap size is 2048 MBytes or greater.**
6474011	**The basic-search.html has unclear description.**
4988156	**Installing the standalone product over an existing Java ES installation and vice-versa is not supported.**
6610103	**On Windows - unable to deploy configuration and start up after disabled Java**
6856484	**Server should automatically size connection queue, keep-alive subsystem, and file cache.**

B.26 Issues Resolved in 7.0 Update 1

The following table lists the issues resolved in Sun Java System Web Server 7.0 Update 1.

Problem ID	Description
6390112	**Java LDAP connection pool interaction issue - initial connection is never timed out.** Specifying a Java LDAP connection pool through the JVM options in the `server.xml` file and referencing this with an external JNDI resource when Web Server is started, creates a pooled LDAP connection. With this connection, it is always marked as busy and the connection never expires.
6472223	**Values of 'mail-resource' sub elements are not getting set on mail session object.**
6487083	**NSAPIRequest.setupRequestFields is slow.** `com.sun.webserver.connector.nsapi.NSAPIRequest.setupRequestFields` is slow primarily because of excessive String-->byte and byte-->String conversion when parsing Cookie headers.
6501785	**The servlet container does not use accelerator cache when processing RequestDispatcher includes.**
6500647	**On Windows, dynamic reloading of JSP produces incorrect output.**

Problem ID	Description

6433752	**ssl-check is not working with NSAPI based plug-in.**
	
	`"PathCheck fn="ssl-check" secret-keysize=128 bong`
	`file="xxxxx.yyy.html"`
	
	For static file requests, if the `secret-keysize` of the client is less than the size specified by the server and a bong file is present, then the bong file is sent back as the response. However, requests for dynamic content (for example, `JSP` files) return the actual requested object (for example, the `JSP` file) rather than the bong file.

6421617	**Problem having server-parsed HTML (ParseHTML) and .htaccess with restricted group option.** Authentication succeeds when parsing through a HTML file which has the shtml include entries and is configured to authenticate through `.htaccess` which has the "restricted by group" option enabled. If the group user gets authenticated, then the result page does not get shtml include entries. This however works fine with the user in `.htaccess` file has "restricted by user" option.
6489913	**SSL session cache cannot be disabled.** Session cache is enabled by default. When the session cache is disabled and URL is accessed through the HTTPs protocol, the URL does not go through and the server log displays an error message indicating that the SSL cannot be configured without `session-cache`.
6302983	**Samples refer to "Sun ONE" instead of "Sun Java System".** The servlet sample, `LocaleCharsetServlet.java`, co-packaged with Web Server 7.0 refers to "SunONE" instead of "Sun Java System".
6495588	**sampleapps/java/webapps/simple docs invalid.** The documents for a simple sample application shows an incorrect pathname. The path should be *install-dir*`/plugins/java/samples/webapps/simple/src` instead of *install-dir*`/samples/java/webapps/simple/src`.
6347905	**No CLI support to configure FastCGI. Need to manually edit obj.conf or magnus.conf files to configure FastCGI.**
6504587	**Memory leak found in FastCGI.**
6479045	**Admin Console online help needs to be updated.** The online help needs to be updated for the following: 1. Context-based help should be provided. 2. All screens must have a corresponding help page. 3. Help pages must reflect the changes in the GUI. 4. Inconsistent usage of terminology between the GUI and online help. 5. Fix grammatical errors. 6. Detailed description for some topics.
6482764	**Mismatch between online help and the Admin Console.**
6498477	**Missing help file under config tokens page.** Common Tasks > Edit Configuration > Certificates > PKCS11 Tokens, the help file for this screen is missing.
6479062	**Cannot dynamically reconfigure HTTP listener family. The Instance does not start on setting the protocol family to nca.**

Problem ID	Description
6482536	**<listen-queue-size> upper bound is set to 65535, which is too small. Need to increase the <listen-queue-size> upper bound.**
6500715	**Incorrect ObjectType fn="force_type" added in object cgi on creation of new cgi directory.** When creating a new `cgi` directory, an incorrect object type `force_type` is added to the `obj.conf` file.
6479247	**On Windows, dialog box to enter the token password appears on restarting an instance after the deployment. This behavior is not see on other platforms.**
6425144	**On Windows, wadm does not update classpath correctly if classpath contains a semicolon (;)** The semicolon in `tcl` is interpreted as a command terminator, which is used to group multiple commands in a single line. On Windows, semicolon is used as a path separator.
6292582	**SNMP Management Information Base (MIB) for "iwsFractionSysMemUsage" does not show correct results** SNMP MIB "Fraction of process memory in system memory" which is part of `iws.mib` gives wrong results when queried by the SNMP manager utility.
6471744	**Incorrect error message is displayed if you execute the list-tokens command without specifying the configuration value.**
6471754	**Incorrect error message is displayed if you execute the list-authdb-userprops command without specifying the authdb value.**
6472210	**No error message is displayed if you execute the get-ssl-prop command with an invalid http-listener value.**
6476111	**Cannot edit the MIME types using the Admin Console.**
6478601	**Displays an improper message when you stop an instance that does not exist.** An error message `Successfully stopped the server instance' is displayed if you try to stop an instance that does not exist.
6480523	**wadm allows you to create a configuration with a negative port number.**
6489765	**Incorrect error message is displayed if you execute the create-cert-request command with an invalid key-size value.**
6489777	**The delete-group command displays an incorrect error message if you specify an invalid group value.**
6489779	**No error message is displayed when you execute the list-group-members command with an invalid group-ID value.**
6490728	**Cannot set the rewrite-location properties using the set-reverse-proxy-prop command.** You cannot set the `-rewrite-location` property to `false`. The value specified for the `-rewrite-location` is not validated. For example, specifying the `=` symbol for the i-`rewrite-location` option corrupts the `obj.conf` file and results in parser error.
6492315	**The set-token-prop command sets wrong passwords in the server.xml file even if the token pin has not been specified.**
6492469	**Incorrect error message is displayed on LDAP user creation failure.**
6494353	**If an invalid node name is specified while deleting an instance, an incorrect error message is displayed.**

Problem ID	Description
6494950	**The register-node command runs successfully with non SSL port only in shell mode.** In shell mode, typing the `register-node` command with the `-no-ssl`option registers the node successfully as the command is falsely executed in the SSL mode.
6405018	**The `get-jvm-prop`command does not print the command when echo is enabled in shell mode.**
6499507	**Incorrect error messages are displayed when you execute the list-locks and expire-lock commands.**
6499510	**A 'null' message is displayed if you execute the list-instances, list-crls, list-tokens, and list-certs commands without specifying the configuration name.**
6499512	**The error message for the list-url-redirects command is not localized.**
6500119	**wadm prompts for a token pin if you specify an invalid configuration name while trying to delete an existing certificate.**
6500146	**While creating an HTTP listener using the CLI, the create-http-listener command creates a listener with null value as name.**
6500150	**If you do not specify a virtual server while executing the list-dav-collections command, an incorrect error message is displayed.**
6500151	**If you do not specify the authentication database while executing the list-users, list-org-units, list-groups, and list-group-members commands, an incorrect error message is displayed.**
6500152	**If you do not specify a virtual server while executing the list-uri-patterns command, an incorrect error message is displayed.**
6500154	`list-userprops`**CLI gives improper message.** If you do not specify a JNDI name or specify an invalid JNDI name while executing the list-jdbc-resource-userprops, list-soap-auth-provider-userprops, list-auth-realm-userprops, list-external-jndi-resource-userprops, list-custom-resource-userprops commands, an incorrect error message is displayed.
6503350	**Error message given when entering invalid wadm command is misleading.** When you enter an invalid command, an error message "Invalid command <command name>. Use "help" command for a list of valid commands." is displayed. The help man page does not contain a list of valid command. Therefore this error message is misleading.
6503944	**The create-user command usage for the LDAP authentication database is ambiguous.**
6504095	**The set-cert-trust-prop command accepts incorrect properties and does not show proper error message.**
6443845	**Administration Server does not validate the password length and mechanism support of the given token.**
6449506	**Certificate with same server name as existing certificate cannot be created with the same nickname.**
6461553	**Virtual Server Web Applications page title help is incorrect.**
6473518	**Prompt to enter token pin while starting instance should not appear if configuration has not been deployed.**
6476095	**Admin Console does not provide an option to edit document directories and CGI records.**

Problem ID	Description
6476736	**Admin Console should have a tab to add and edit MIME mappings at the Virtual server level.**
6478090	**`Current Password' field in the Nodes -> Select Administration Server-> Certificates -> Token Password Management page should be disabled if no token password has been set for the administrator.**
6490705	**Unable to configure uri-pattern specific configurations using the Admin Console.**
6496545	**Admin Console displays invalid properties when custom authentication database user properties are created through Admin CLI.**
6502303	**The Admin Console Migrate wizard creates multiple configurations if you click the Finish button multiple times.**
6504495	**Admin Console has 508 compliance issues.**
6504951	**User selection process in the Common Tasks->Edit Virtual Server->WebDAV->New page needs validation.**
6360666	**Installed CRL should have a meaningful name.**
6364821	**Admin CLI should support URIs, URI prefixes, URI wildcard patterns, and URI regular expressions for all commands that operate on URI space.**
6366956	**Search schedule events do not work from the Admin Console.**
6378612	**64-bit instance does not start on 32-bit remote node.**
6423391	**When a server certificate with data in non-DER format is installed, an incorrect error message is displayed.**
6439132	**Exceptions in Certificate Installation wizard not clear.**
6468676	**No validation exists for 'Java Home' field; accepts invalid data.**
6474668	**HTTP Listener field accepts names with spaces. This is invalid.**
6476111	**Unable to edit MIME types either using the Admin Console or the CLI.**
6483365	**GUI and CLI accept Web Server 7.0's server root for migration** The Admin Console and the CLI accept the Web Server 7.0 path instead of Web Server 6.1 or Web Server 6.0 path during migration. Web Server 7.0 path is not a valid path for the `server-root` property in the `migrate-server` command.
6492176	**Default and null values get stored in obj.conf when a new configuration is created and saved using the Admin Console.** Administration Server stores the values passed by the Admin Console into `obj.conf` file without any validation.
6497004	**SaveConfigException displayed on CLI during set-authdb-prop.** If a nonexistent file path is provided to the `path` property for `keyfile authdb` by using the `set-authdb-prop` command, results in `SaveConfigException` instead of a `File does not exist` message. See the error log for the Administration Server.
6497143	**At times, the execution of stop-admin command displays the "Admin Server Not Running" message when the Administration Server is actually running.**
6498411	**The get-cert-prop does not display only those properties mentioned in the <displayproperties> element.**
6500715	**Server error on trying to access a file in the cgi-bin directory.**

Problem ID	Description
6364702	**wadm commands do not return valid error codes [0-125] when success or failure.**
6370032	**Session failover does not happen with RequestDispatcher include call.**
	While deploying two web applications on a cluster where the first application calls on the second application using the `RequestDispatcher()` include call, the persistence valves are not called during the `RequestDispatcher ()`'s `invoke()` method, and session replication does not occur.
6381950	**Incorrect load factor set for BaseCache.**
	Session replication does not support more than two web applications.
6381954	**Session replication fails to work on multiple web applications involving RequestDispatcher due to bad sequence.**
6383313	**Incorrect path is set on SR-intanceId cookie.**
	The `SR-instanceId` cookie should be set to the web application's path instead of the servlet's path.
6450360	**The create-authdb command does not validate the URL at the time of the authentication database (authdb) creation. The create-authdb command successfully creates an authentication database with the wrong URL.**
6450800	**The get-error-log and the get-access-log commands displays cluttered and improper messages.**
6459106	**The wadm deploy fails to deploy the cluster configuration.**
	If any changes occur to the instance configuration files, manually or otherwise, the `deploy-config` command displays an error message stating that the instance has been modified.
6462891	**No Admin Console is available to deploy web applications in user specific location.**
6439577	**Does not prompt for the token password when the instance is started from the wadm command prompt with a wrong token-pin.**
6465470	**Incorrect text in Groups settings page.**
	The text should read as "From this page you can add/remove user groups in the selected Authentication Database" instead of "From this page you add/remove user groups in the selected Authentication Database."
6465480	**Incorrect message when you delete a JVM profiler.**
	The message should read as "Profiler deleted successfully" instead of "Profiler saved successfully".
6466409	**Incorrect error message is displayed when you provide a wrong path while adding web application.**
6467164	**The window titles of the Admin Console wizards are not consistent.**
6467785	**Admin Console gives incorrect error message when you provide invalid Directory Server configuration values.**
6470585	**URI prefix of document directories is accepts the value without '\'.**
6471737	**The list-instances command lists the instances even if you do not specify the configuration value.**
6472385	**Token password changes made through the CLI is not reflected in GUI. It requires a browser refresh.**
6467665	**Migrating certificate with an invalid file path using the migrate-jks-keycert command, prompts the user to enter the keystore-password and the key-password.**

Problem ID	Description
6469104	**The create-selfsigned-cert command allows you to define an inappropriate validity period while creating a server certificate.**
6469109	**The delete-cert command does not delete a certificate which is created with token "Sun Software PKCS#11 softtoken".**
6471649	**The list-events command output is not aligned.**
6474584	**dayofweek does not take "*" as an option.** For example, set an ACL as follows: ``` acl "uri=/"; deny (all) dayofweek="*"; allow (all) dayofweek="Sat,Sun"; ``` In this program, you are restricting access on all days of week except Saturday and Sunday. This program does not work as you can you can successfully access the ACL on a Monday.
6477840	**Admin Console should provide large text region for entering class path prefix, class path suffix, and native library path prefix.**
6478165	**Usability issues in the Install CRL page after incorrect file path is entered for CRL file on server.**
6478229	**The Instance->New page has incorrect title.**
6478292	**The Common Tasks->Select configuration ->Select Virtual Server ->Edit Virtual Server ->WebDAV->New page should have the Enter Users field only if the authentication database is PAM.**
6478303	**Admin Console allows you to create an ACE without entering user or group information for ACL. The check is not done if the authentication database is PAM.**
6478612	**Inline help for range of values accepted by Request Header Time-out text field is incorrect.**
6500228	**The Admin Console displays an exception when you create a duplicate record of a MIME types.**
6501807	**Deploying a new web application using the Admin Console kills sessions for all existing web applications.**
6504748	**With delete instance option, instead of deleting the symbolic links, the uninstaller deletes files from symbolic links.**
6505994	**Crash detected when creating properties with empty URI pattern**
6510486	**htaccess rules can become corrupted in memory.** If a single `.htaccess` file has more than five allow or deny rules, some of the rules might become corrupted in memory. If this occurs, some of the rules may be bypassed.
6506936	`deploy-config` **fails when you modify JSPs or any other files in the** `webapps` **directory of the instance.** When using the `pull-config` either through the Admin Console or through the CLI, only the contents of the *instance-dir*`/config` directory is pulled into the `config-store`. In Web Server 7.0, when `pull-config` was used, the contents were pulled into *instance-dir*`/config`, *instance-dir*`/lib`, and *instance-dir*`/web-app` directories.

Problem ID	Description
6492407	**Front-end file accelerator cache.** Depending on ACLs and `obj.conf` configuration, a front end accelerator cache can service static file requests for URIs that were previously processed using NSAPI. The accelerator cache must work with the default configuration.
6498928	**Output directives are not invoked for 0-byte files.** Output directives are not invoked for 0-length responses unless `protocol_start_response()` is called. `send-file` does not call `protocol_start_response()` function. Output directives are not invoked when sending 0-byte files.
6502258	**Server crash with large output buffers.** If the output stream buffer size is bigger than the input buffer size, the server might attempt to buffer data at an invalid address. The default input buffer size is 8192 bytes.
6504755	**Cannot disable access logging in default server instance.** The value of the `<access-log>` `<enabled>` element is ignored in the `server.xml` file.
6505390	**Accelerator cache does not handle ssl-unclean-shutdown properly.** The accelerator cache does not interact correctly with the `AuthTrans fn="match-browser" browser="*MSIE*"` directive in the default configuration. When such a directive is present, the accelerator cache applies the "unclean shutdown" setting to every connection, regardless of the browser used.
6432375	**On HP-UX, SNMP fails for some oid values.** **Workaround** Due to lack of the HP-UX API support and complexity, network in and out traffic statistics is not implemented. Use HP tools for monitoring the traffic statistics.
6430293	**The AdminException messages displayed on the Admin Console are not localized.**
6508299	**Displays incorrect characters in search results on the left panel of online help on non-English locales.**
6507819	**Localized online help content have some differences from the English version.**
6536820	**Intermittent deploy-config failure while running QA Regression Tests on tinderbox**
6486480	**service-nsfc-dump entry hit counts are 0 with <replacement>false</replacement>.** If `<replacement>false</replacement>` is specified in `server.xml` file, entry hit counts show as 0 in the `service-nsfc-dump` output. However, the cache hit counts are displayed correctly.