

# Sun Java™ System Web Proxy Server Release Notes

Version 4.0.1 2005Q4

Part Number 819-3281-10

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These release notes contain important information available at the time of the release of the Sun Java™ System Web Proxy Server 4.0.1 product, hereafter referred to as Proxy Server 4.0.1. Platform summary and known problems are addressed here. Please read this document and associated documents before you begin using the Sun product.

This document contains the following sections:

- [Enhancements in Sun Java System Web Proxy Server 4.0.1](#)
- [Platform Summary](#)
- [Hardware and Software Requirements](#)
- [Accessing the Documentation](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [How to Report Problems and Provide Feedback](#)

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## Enhancements in Sun Java System Web Proxy Server 4.0.1

The following enhancement has been made in Proxy Server 4.0.1:

### NSS 3.10.1 and NSPR 4.5.2 Support

Proxy Server 4.0.1 supports Network Security Services (NSS) 3.10.1 and Netscape Portable Runtime (NSPR) 4.5.2.

# Platform Summary

This section provides information about supported platform components for Proxy Server 4.0.1

This section includes the following topics:

- [Platform Requirements](#)
- [Supported Browsers](#)

## Platform Requirements

The following table summarizes the Proxy Server 4.0.1 platform requirements.

**Table 1** Platform Requirements for Proxy Server 4.0.1

Operating System	Minimum Memory	Recommended Memory	Recommended Disk Space*
Sun Solaris™ 8 for SPARC®	256 MB	512 MB or higher	512 MB or higher
Sun Solaris 9 for SPARC	256 MB	512 MB or higher	512 MB or higher
Sun Solaris 10 for SPARC	256 MB	512 MB or higher	512 MB or higher
Sun Solaris 9 for x86	256 MB	512 MB or higher	512 MB or higher
Sun Solaris 10 for AMD Opteron™	256 MB	512 MB or higher	512 MB or higher
Red Hat Linux Advanced Server 2.1	256 MB	512 MB or higher	512 MB or higher
Red Hat Linux Advanced Server 3 Update 4	256 MB	512 MB or higher	512 MB or higher
Microsoft Windows 2000 Server Service Pack 4	256 MB	512 MB or higher	512 MB or higher
Microsoft Windows 2000 Advanced Server	256 MB	512 MB or higher	512 MB or higher
Microsoft Windows 2003 Enterprise Edition	256 MB	512 MB or higher	512 MB or higher

\*Depends on cache capacity setting. The default cache capacity setting is 2GB

## Supported Browsers

The following table lists the browsers that are supported with Proxy Server 4.0.1.

**Table 2** Supported Browsers for Proxy Server 4.0.1

Browser	Version
Microsoft Internet Explorer	6.0
Netscape™	7.1, 7.2
Mozilla™	1.4.1, 1.7.2

Your browser needs to have Java enabled.

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## Hardware and Software Requirements

In addition to the UNIX operating system memory and disk space requirements listed in [“Platform Requirements” on page 2](#), your system must also have adequate swap space:

- Solaris requires swap space at least as large as the amount of RAM on your system (twice the amount of RAM is recommended)
- Linux requires 256 MB swap space

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## Accessing the Documentation

The Sun Java System Web Proxy Server 4.0.1 documentation is provided in a number of ways:

- **Manuals**—You can view the Proxy Server 4.0.1 manuals and release notes in HTML and in printable PDF formats.
- **Online help**—Click the Help button in the graphical interface to launch a context-sensitive help window.

## Accessibility Features for People With Disabilities

To obtain accessibility features that have been released since the publishing of this media, consult Section 508 product assessments available from Sun upon request to determine which versions are best suited for deploying accessible solutions. Updated versions of applications can be found at:

<http://sun.com/software/javaenterprisesystem/get.html>

For information on Sun's commitment to accessibility, visit

<http://sun.com/access>

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## Resolved Issues

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

- [Issues resolved in 4.0.1](#)

### Issues resolved in 4.0.1

The following table lists the issues resolved in Sun Java System Web Proxy Server 4.0.1

**Table 3** Issues Resolved in Sun Java System Web Proxy Server 4.0.1

ID	Summary
2126143	The same regular expression does not work in URL Filters, but works in Access Control and Routing.
2126380	Memory leak in the ICP process of the proxy server.
6231283	The administration server on Linux Red Hat Advanced Server 3.0, fails to startup.
6237346	The <code>flexanlg</code> utility dumps core while generating a log analysis report using the Extended2 log file format.
6240767	The add/edit listen sockets for the administration server and the proxy server instance do not verify for used ports.
6242627	Localized core messages are not getting displayed.
6243369	Entry of multi-byte characters in the pages related to SOCKS need to be prevented.
6244103	Internal server error is displayed when the Set Connectivity Mode page of the proxy server instances is accessed on a Linux Advanced Server 3.0, Korean locale.
6245408	An internal error is displayed when a newly added partition is accessed if the administration user and the proxy instance user are different.

ID	Summary
6249166	Inconsistency in the display of the Control Cluster, Modify Server, and Remove Server pages in the Cluster tab when the host name in the URL is replaced with <code>localhost</code> while accessing the proxy server.
6253014	Crash occurs in the <code>init-proxy</code> SAF when there are more than 9 NameTrans directives in the <code>obj.conf</code> file on Linux Red Hat Advanced Server 3.0.
6254508	The batch update command exits with segmentation fault.
6255214	Cannot edit or remove an entry in the content URL rewriting page consisting of multibyte characters.
6255216	Some LDAP entries in the <code>socks5.conf</code> lead to <code>socksd</code> crash.
6259314	Some of the localized online help pages are not synchronized with the English online help pages.
6261440	Duplicate English online help exists in the installation directory.
6263694	Online Help unavailable for the Add and Replace Compromised Key List and Certificate Revocation List pages.
6263721	The wrong help page is displayed for the Add/Replace Cert pages in the Server Manager.
6274186	Unable to delete a server instance.
6276398	Remove the localized online help from the base workspace.
6285078	Entry for authentication failure of SOCKS request missing from log files.
6285779	Unable to start the proxy server instance if the serverID has a white space.
6285788	SOCKS server crashes when authentication is used.
6289242	HTTP smuggling in Proxy Server 4.
6293449	Proxy Server 4 does not close the connection immediately with the CONNECT method.
6296169	The header <code>Cache-last-checked</code> is broken in Proxy Server 4 installed on other locales.
6296225	The Proxy Server instance may intermittently crash when DNS caching is enabled.
6301786	Localized Core Message not getting displayed on Solaris 9 x86, Linux AS 3.0
6311463	On the proxy process, the number of open file descriptors keeps increasing with time, resulting in the proxy running out of file descriptors and dropping connections.

## Known Issues

This section lists the more important known issues and limitations at the time of the Sun Java System Web Proxy Server 4.0.1 release. The issues are listed by category:

- [Administration](#)

- [Caching](#)
- [Documentation](#)
- [Installation](#)
- [Internationalization](#)
- [Monitoring](#)
- [Performance](#)
- [SOCKS](#)

## Administration

The following table lists the known issues related to the administration user interface.

**Table 4** Known Issues in Administration

ID	Summary
6213012	ROTATELOGS event on Windows is not triggered at the time specified.
6213014	RESTART event on Windows is not triggered at the time specified.
6213017	RECONFIG event on Windows is not triggered at the time specified.
6224535	The <code>timeout</code> and <code>retries</code> parameters for the HTTP client cannot be configured through the administration interface.
	<p><b>Workaround</b></p> <p>The default value for the <code>timeout</code> parameter is five minutes and can be overridden by including the parameter, <code>timeout= number of seconds</code> in the <code>http-client-config</code> SAF of the <code>obj.conf</code> file.</p> <p>The default value for the <code>retries</code> parameter is three. The number of request retries can be configured by including the parameter <code>retries=number of retries</code> in the <code>http-client-config</code> SAF of the <code>obj.conf</code> file.</p> <p>The effective timeout is <code>timeout x retries</code></p>
6231297	The Restart Required link disappears if changes are made to the SOCKS configuration and the Proxy Server is restarted instead of the SOCKS Server.
6241978	There maybe errors while accessing the administration interface on Windows.
	<p><b>Workaround</b></p> <p>Ensure that the <code>system32</code> directory on your system contains <code>libnspr4.dll</code> of version 4.5.1 or later else, copy the file from the <code>%install_dir%\bin\proxy\bin</code> directory into the <code>system32</code> directory and restart the administration server.</p>

ID	Summary
6303619	An ACL with a database that is registered with a name other than <code>default</code> does not work properly. <b>Workaround</b> Add a new element, <code>USERDB id=xyz</code> in the proxy server instance <code>server.xml</code> file.
6328678	Cannot set ICP <code>timeout</code> value to less than 400 milli seconds through the administration interface. <b>Workaround</b> Edit the <code>icp.conf</code> file of the proxy instance to change the value of the <code>timeout</code> parameter.

## Caching

The following table lists the known issues related to caching.

**Table 5** Known Issues in Caching

ID	Summary
6229823	When a new partition is added a default section <code>s0.0</code> is also created irrespective of the partition size. Warning messages are logged in the errors file. <b>Workaround</b> Use the <code>cbuild</code> utility to add the new partition or delete the <code>s0.0</code> folder under the new cache partition, and restart the proxy server.  The error messages can be ignored.
6275141	The File Cache feature is shown in the GUI and documented for the Server Manager > Caching > Configure File Cache page, but the feature is not implemented.
6289188	When you install proxy server 4.0 as non-root user and administration server as root user, any changes you make to the cache settings in the administration user interface result in the permissions for cache file and cache directory changing from non-root to root. <b>Workaround</b> After changing the cache settings in the administration user interface, login to the machine and apply <code>chown -R &lt;user&gt;</code> command on the proxy cache directory.

## Documentation

The following table lists the known issues related to documentation.

**Table 6** Known Issue in Documentation

ID	Summary
6305450	The <i>Administrator's Guide</i> mentioned in the Proxy Server 4.0.1 online help refers to the Sun Java System Web Proxy Server 4.0.1 <i>Administration Guide</i> .
6313959	In the Proxy Server 4.0.1 <i>Administration Guide</i> , in Chapter 12, the section "To configure the file cache" provides wrong description for step 1. The correct description is, "From the Server Manager, click the Caching tab".
6313960	In the Proxy Server 4.0.1 <i>Administration Guide</i> , in Chapter 12, the section "To create a batch update" includes step 10 that refers to a "Timing section". This step is an error. The Set Cache Batch Updates page does not have a Timing section.
6316289	In the Proxy Server 4.0.1 <i>Administration Guide</i> , in Chapter 12, the section "Building the Cache Directory Structure" includes an example that refers to figure 12-1 instead of 12-2.
6331044	In the Proxy Server 4.0.1 <i>Administration Guide</i> , in the preface, the section "Using the Documentation" specifies the location of the Proxy Server 4 documentation.  <a href="http://docs.sun.com/app/docs/prod/s1.webproxys#hic">http://docs.sun.com/app/docs/prod/s1.webproxys#hic</a>  The section should point to Proxy Server 4.0.1 documentation at: <a href="http://docs.sun.com/app/docs/coll/1311.1">http://docs.sun.com/app/docs/coll/1311.1</a>
6331050	In the Proxy Server 4.0.1 <i>Administration Guide</i> , in Chapter 1, the section "New in This Release" specifies the location of the Proxy Server 4 <i>Release Notes</i> .  <a href="http://docs.sun.com/app/docs/prod/s1.webproxys#hic">http://docs.sun.com/app/docs/prod/s1.webproxys#hic</a>  The section should point to Proxy Server 4.0.1 <i>Release Notes</i> at : <a href="http://docs.sun.com/app/docs/coll/1311.1">http://docs.sun.com/app/docs/coll/1311.1</a>

## Installation

The following table lists the known issues related to installation.

**Table 7** Known Issues in Installation

ID	Summary
6205683	Windows console installation fails.
6255325	The installer throws an exception and the installation fails on Linux if the user installs the Proxy Server as a non-root user and the <code>/var/opt/sun/install</code> directory does not exist.

## Internationalization

The following table lists the known issues related to internationalization.



**Table 8** Known Issues in Internationalization

ID	Summary
6233080	The Disable Proxying option does not work for the URL with multibyte data (URL encoded) when routing is set through another proxy server.
6233090	A URL with multibyte data (URL encoded) cannot be mapped.
6233093	A filter cannot be created for a URL with multibyte data (URL encoded).
6233100	Multibyte strings from the page being retrieved cannot be rewritten.
6246562	Controlling a set of servers installed on different locales and platforms through clusters fails when stopping the set of servers.  <b>Workaround</b> Stop each server individually.
6300615	The meta tag is missing in localized core messages.

## Monitoring

The following table lists the known issues related to monitoring.

**Table 9** Known Issues in Monitoring

ID	Summary
6268536	SNMP on Windows does not work if the <code>libnspr4.dll</code> file is not present in the <code>system32</code> directory.  <b>Workaround</b> Ensure that the <code>system32</code> directory on your system contains <code>libnspr4.dll</code> of version 4.5.1 or later else, copy the file from the <code>%install_dir%\bin\proxy\bin</code> directory into the <code>system32</code> directory and restart the administration server.

## Performance

**Table 10** Known Issues in Performance

ID	Summary
6315817	Multiple simultaneous CONNECT (SSL Tunneling) requests cause thread starvation.

## SOCKS

The following table lists the known issues related to SOCKS.

**Table 11** Known Issues in SOCKS

ID	Summary
6245453	The Quench Updates feature is shown in the GUI and documented for the Server Manager > SOCKS > Configure SOCKS v5 page, but the feature is not implemented.
6263389	No error is reported when two instances of SOCKS are started using the same port on Windows.

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## How to Report Problems and Provide Feedback

If you have problems with Sun Java System Web Proxy Server 4.0.1, contact Sun customer support using one of the following mechanisms:

- Sun Software Support services online at <http://www.sun.com/service/support/software>
- The telephone dispatch number associated with your maintenance contract

Please include the following information:

- Description of the problem, including the situation where the problem occurs and its impact on your operation
- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or core dumps

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