Sun Java System Web Proxy Server 4.0.4 Release Notes

Sun microsystems

Contents

Release Notes for Sun Java System Web Proxy Server

These release notes contain important information available at the time of the release of the Sun Java™ System Web Proxy Server 4.0.4 product, hereafter referred to as Proxy Server 4.0.4 or just proxy server. 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 Releases

The following enhancements have been made in recent releases of Proxy Server:

NSS 3.11.4 and NSPR 4.6.4Support

Proxy Server 4.0.4 supports Network Security Services (NSS) 3.11.4 and Netscape Portable Runtime (NSPR) 4.6.4.

Upgrade Support

From Proxy Server 4.0.2 release, the installer supports the upgrade of an existing Proxy Server 4.0 installation to the later version. For the Java Enterprise System installations of Proxy Server 4.0.1, you need to install the patches that correspond to the later release.

Platform Summary

This section provides information about the supported platform components for Proxy Server 4.0.4

This section includes the following topics:

- "Platform Requirements" on page 6
- "Supported Browsers" on page 7

Platform Requirements

The following table summarizes the Proxy Server 4.0.4 platform requirements.

TABLE 1   Platform Requirements for Proxy Server 4.0.4

Operating System	Minimum Memory	Recommended Memory	Recommended Disk Space*
Sun Solaris™ 8 for SPARC®	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Sun Solaris 9 for SPARC	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Sun Solaris 10 for SPARC	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Sun Solaris 9 for x86	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Sun Solaris 10 for AMD Opteron™	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Red Hat Enterprise Linux Advanced Server 3 Update 4	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Red Hat Enterprise Linux Advanced Server 4 Update 2	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Microsoft Windows 2000 Server Service Pack 4	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher

TABLE 1 Platform Requirements for Proxy Server 4.0.4   *(Continued)*

Microsoft Windows 2000 Advanced Server	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
Microsoft Windows 2003 Enterprise Edition	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher
HP-UX 11i (11.11)	256 Mbytes	512 Mbytes or higher	512 Mbytes or higher

* Depends on cache capacity setting. The default cache capacity setting is 2 Gbytes.

Please take needed action to move or migrate your Web Proxy Servers to a supported operating system.

Supported Browsers

The following table lists the browsers that are supported with Proxy Server 4.0.4.

TABLE 2 Supported Browsers for Proxy Server 4.0.4

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

Your browser needs to have Java enabled.

Hardware and Software Requirements

In addition to the UNIX operating system memory and disk space requirements listed in "Platform Requirements" on page 6, 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 Mbytes swap space

Required Patches

It is recommended that you update your operating system with the latest applicable patches. Required patches are listed by platform.

Solaris Patches

The following is the required patch level for Proxy Server 4.0.4 in Solaris SPARC and x86.

Solaris 8 (SPARC)

- 108434–18 (shared library patch for C++)

Solaris 9 (SPARC)

- 111711–12 (shared library patch for C++)

Solaris 9 (x86)

- 111713–12 (shared library patch for C++)

Solaris 10 (SPARC)

NOT REQUIRED

Solaris 10 (x86)

- 119964–03 (shared library patch for C++)
- 108434–18 (shared library patch for C++)

Linux Patches

The following is the required patch level for Proxy Server 4.0.4 in Linux.

Red Hat Enterprise Linux Advanced Server 3

- compat-libstdc++-7.3-2.96.128.rpm

Red Hat Enterprise Linux Advanced Server 4

- compat-libstdc++-33-3.2.3-47.3.rpm compat-libstdc++-296-2.96-132.7.2.rpm

HP-UX Patches

- HP-UX 11i Operating Environment Component B.11.11.0412
- Required patch bundle for 11i, June 2003B.11.11.0306.1
- Gold Base patches for HP-UX 11i, December 2006–B.11.11.0612.459
- Gold Application patches for HP-UX 11i, December 2006–B.11.11.0612.459
- Pthread enhancement and fixes-PHCO_29109
- Pthread.h fix and new enhancement-PHCO_27633
- libc manpage cumulative patch-PHCO_29328
- libc cumulative patch-PHCO_29495
- Java Out-of-Box-JAVAOOB, 1.0.00.02

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

- nkthreads— 3635
- maxfiles–60
- maxfiles_lim–1024
- max_thread_proc–512
- maxswapchunks–2048
- nfile4–136
- ncallout–3651
- nproc–2068

Caution – Modifying the kernel tunable parameters can have adverse impacts on your system. Do not modify the parameters unless you fully understand what you are doing.

Impact of US DST Changes 2007

Daylight Savings Time (DST) starts in USA from the 2nd Sunday of March and ends on the 1st Sunday of November. This impacts the date and time rules of the Operating System.

To make sure that the log files contain the correct time in US time zones, and that the Administration Server is not impacted by this change, Sun recommends you to do the following:

- Download and install the appropriate Operating System patches. You can download the Solaris patches from:
  http://sunsolve.sun.com/search/document.do?assetkey=1-26-102775-1

  For other platforms, download similar DST compatible patches from the respective Operating System vendor's web sites.

- For Solaris, Windows, and Linux, run proxy server with JRE 1.4.2_13. For HP-UX, run proxy server with JRE 1.4.2.12.

Accessing the Documentation

The Sun Java System Web Proxy Server 4.0.4 documentation is provided in a number of ways:

- Manuals – You can view the Proxy Server 4.0.4 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`.

Resolved Issues

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

Issues resolved in 4.0.4

The following table lists the issues resolved in Sun Java System Web Proxy Server 4.0.4

TABLE 3   Issues Resolved in Sun Java System Web Proxy Server 4.0.4

ID	Summary
4973509	`Cache-Control` directive for private/no-cache headers is not supported for multiple values.
4973523	HEAD requests are not cached.
4973652	Proxy server does not support 65536–byte long URIs.
4999184	When proxy server is configured in reverse proxy mode pointing to a web server, the error message displayed when the web server is down should not mention that it is a proxy sever.

TABLE 3 Issues Resolved in Sun Java System Web Proxy Server 4.0.4 *(Continued)*

ID	Summary
5093104	Proxy server administration interface allows trailing white space for a HTTP header in client IP forwarding.
6208895	An FTP request through the proxy server to a Microsoft IIS FTP server does not work.
6214329	Error in error log for HTTP4352:zlib internal error.
6233086	For client credentials forwarding with multi-byte user name, validation check needs to be added.
6243358	A deleted user still appears as part of a group.
6245972	User's permission set through the Administer Access Control page does not get implemented.
6246562	Controlling a set of servers installed on different locales and platforms through clusters fails when stopping the set of servers.
6253844	There is no support for "zh-cn" for proxy server online help.
6255761	There is no content at the Installer Help page.
6255838	When a proxy server instance is removed without stopping the SOCKS server and a new instance is created, you will not be able to start the SOCKS server on the new instance as the port would be in use.
6256442	The installer displays the error message "Password should be at least 8 characters" only in English.
6266497	Administration interface allows duplicate port numbers in the Add Server page.
6268356	On Windows, SNMP service does not work if `libnspr4.dll` is not present in the `system32` directory.
6274424	On Windows, the value for defaultInstallDirectory in the state file is wrong. The default installation directory in the installer is `c:\sun\ProxyServer40`, but the state file generated when you use the command `setup --savestate` does not have `c:\sun\ProxyServer40` as the default installation directory. The state file displays the UNIX template value as the default installation directory.
6304981	Proxy server installation fails on Linux if ksh is not installed on the machine.
6310283	In the proxy server administration interface, sometimes the tabs display incorrect page content.
6312087	Localized online help is not context sensitive.
6313904	The administration server does not allow you to set a listen socket with a port number that is used for another IP address.
6321797	Proxy Server 4.0.3 *Configuration File Reference* is updated with information for the `flex-init` parameter `no-format-str.access`.
6331035	Load balancing feature works only for regular expressions.

TABLE 3 Issues Resolved in Sun Java System Web Proxy Server 4.0.4   *(Continued)*

ID	Summary
6333355	When the ACL caching is enabled, the user/group definition in the ACL has to exactly match the case of the LDAP entry for the ACL caching to happen.
6337657	Proxy server displaying Internal Server Error message when the configuration of Distributed Administration is attempted.
6369549	Proxy patch installation on JavaES 5 results in some errors on Linux.
6371618	Can not change Compression Level to NONE. Documentation should state what to select as the compression level.
6380736	Control does not transfer to Schedule GC page when Explicit GC is selected in the Set GC Preferences page.
6382393	Proxy server is unable to perform FTP uploads.
6382692	During migration, the format string Req->vars.pauth-user in the 3.6 obj.conf should be changed to Req->vars.auth-user .
6383320	Cannot remove cache file when contents file name has space or Japanese characters.
6383435	sockd process uses high memory on Linux .
6387166	View Server Settings page in the proxy server administration interface does not display MaxProcs value.
6388818	The SOCKS server requires the Directory Service ID to be default.
6390034	libnspr4.dll should be referred first on the directory <install-dir>\bin\proxy\bin instead of the directory system32.
6390054	Copyright year should be changed in the version window of the administration interface.
6399395	The Select Directory Services page does not reflect the directory service selection.
6402589	The function http-client-config does not take the setting from the most specific object.
6411505	The Redirect URLs page in the administration interface does not function as expected.
6412129	Proxy server 4.0 migration tool must add the line fn="block-ip" if the setting is not found in the proxy server 3.6 instance.
6414355	Executing the command batchupdate with an invalid bu.conf file results in segmentation fault on Linux.
6415125	Change the compiler from Sun Studio 8 to Sun Studio 10.
6416272	Proxy server fails to start properly after the server user is changed.
6417755	Links like Previous, Main and Next not localized in the proxy server online help.
6419925	More cache-related statistics required in proxy server.

TABLE 3   Issues Resolved in Sun Java System Web Proxy Server 4.0.4   *(Continued)*

ID	Summary
6423487	Detailed description on how to enable DNS statistics has been added to the online help.
6425025	The directive host-map does not work unless a url-prefix parameter is explicitly provided.
6425026	Proxy server needs to distinguish cache objects based on Accept-Encoding headers.
6425038	Proxy server does not consider query-maxlen when acting as reverse proxy with cache-local value set to 1.
6425601	The automatic garbage collection does not work in certain conditions.
6425752	There are duplicate headers in a 304 response from the cache.
6426543	Cache iterator leaks memory.
6427137	Proxy server transmits micro version number in responses.
6433285	Some of the proxy core error messages are not localized.
6433776	.sects files are not created when the command cbuild is executed.
6433807	On Windows, proxy server and administration server display wrong version number in the start up message.
6434137	Proxy server displays wrong error message on timeout.
6435491	In the Proxy Server 4.0.4 *Configuration File Reference*, in chapter 5, the reference to type parameter is removed in the section on Service derivative.
6441601	In the Proxy Server 4.0.4 *Administration Guide*, in chapter 5, notes have been added to clarify the need to load the root keys of Certification Authority or the self-signing application.
6442054	In the Proxy Server 4.0.4 *Administration Guide*, in chapter 5, the section Using SSL to Communicate with LDAP has been updated with information about importing LDAP root CA certificates to the proxy server.
6442071	In the Proxy Server 4.0.4 *Administration Guide*, in chapter 5, a new section is added to clarify about securing access to administration server.
6442090	In the Proxy Server 4.0.4 *Installation and Migration Guide*, clarification has been added to clarify that: - Web Proxy Server can be installed as a non-root user - Web Proxy Server can run as a non-root user
6442091	Cache must correctly compute the value of current_age with the request delay added to the age.
6442641	Proxy server 4.0 does not work well with CONNECT requests that specify a content-length.
6443160	On HP-UX, zlib library needs to be packaged with the product for JavaES 5.
6443720	Log Analyzer can have issues when the access log file has no log information.

TABLE 3   Issues Resolved in Sun Java System Web Proxy Server 4.0.4   *(Continued)*

ID	Summary
6443731	On Windows 2000 SP4, the system requires restart after configuration in JavaES environment.
6444332	On HP-UX, executing `batchupdate` with invalid `bu.conf` results in segmentation fault.
6444363	On HP-UX, proxy instance does not get created with non-root user.
6444942	Executing the command `cachegc` on a nonexistent instance fails.
6445440	Error messages are incompletely localized.
6446098	On HP-UX, there is an internal error in View URL Database page.
6446349	On HP-UX, stress test results in mmap() failure.
6446933	In the Proxy Server 4.0.4 *Configuration File Reference*, references to `docs` directory are removed.
6447423	Proxy server 4.0 leaks memory because the daemon structures are not freed properly.
6447427	Proxy server 4.0 leaks memory while acquiring channel in common client.
6447476	The proxy server administration interface always displays the cache partition size as 0.
6450886	The new maximum value of 360 minutes for the `socks5.conf` parameter `SOCKS5_TIMEOUT` has been documented in the Proxy Server 4.0.4 *Configuration File Reference*.
6454032	Proxy server binds to the same port each time the Address directive is set.
6455411	On Windows, proxy server needs to support coexistence of JavaES 4 and JavaES 5.
6459839	Migrating proxy server 3.6 to 4.0.3 with the cache disabled results in unusable server instance.
6461889	HTML filter corrupts the transformed data.
6461896	HTML tag filter does not update the content length when it transforms the source document.
6461991	Typographic errors in the English source of `proxyResources.properties` file.
6462366	On HP-UX, proxy server fails to restart after configuring SOCKS name server.
6463404	Distributed administration does not work correctly when a user is given access to all programs.
6463927	The template file `WPSProp.properties` has entries for Windows platform.
6465608	On Windows, the shortcut for Stop Admin Server is not created for the administration server when the proxy server is installed.
6465984	The file `proxyResources.properties` contains duplicate keys.
6466452	Proxy server should update the installer registry key from Entsys to Entsys5.
6467644	On Windows Server 2003 Enterprise platform, running `reconfig.bat` fails.
6470294	On Windows, running `cbuild.exe` to decrease the cache sections does not remove the sections properly.

TABLE 3   Issues Resolved in Sun Java System Web Proxy Server 4.0.4   *(Continued)*

ID	Summary
6473677	On JavaES 4 system, proxy server does not start after applying the patch 120981–08/120982–08.
6478407	In the Proxy Server 4.0.4 *Administration Guide*, in chapter 7, the section Starting SSL-Enabled Servers is modified to remove the suggestion for start script modification.
6480637	Proxy server crashes every hour.
6484781	After enabling distributing administration, even unauthentic users can log in to administration server.
6485988	In the Proxy Server 4.0.4 *Configuration File Reference*, the section on Send-Error in chapter 5 is updated to add a note stating that send-error does not work for Web Server HTTP response.
6505480	In a standalone installation of proxy server on HP-UX, installation fails on HP-UX 11.11.
6519072	In the installer for a standalone installation of proxy server 4.0.4, the JRE version compatible with the US DST changes 2007 needs to be shipped. The compatible JRE version is 1.4.2_13 on Solaris, Windows, and Linux. On HP-UX, the compatible JRE version is 1.4.2.12.
6519113	In the Proxy Server 4.0.4 *Configuration File Reference*, the section on Error in chapter 5 is updated to remove references to error response codes 404 and 500.
6511549	In a standalone installation of proxy server on HP-UX, installation fails in CLI mode.
6520577	In the Proxy Server 4.0.4 *Administration Guide*, the section on Virtual Multihosting is updated to add a note to indicate that the reverse mapping should be specified before the other mappings.

Issues resolved in 4.0.3

The following table lists the issues resolved in Sun Java System Web Proxy Server 4.0.3

TABLE 4   Issues Resolved in Sun Java System Web Proxy Server 4.0.3

ID	Summary
6191615	Certain regular expressions when used as URL filters cause the Proxy Server to crash while starting.
6213012	ROTATELOGS event on Windows is not triggered at the time specified.
6213726	The Transfer Time Report reports a constant value of "0.00 sec/req".
6215659	The Transfer Time Distribution Report shows a constant value of "< 1 sec [100.0%]".
6239292	Log Analyzer error with Extended2 format when access log file has no log information.
6242032	In the Proxy Server 4.0.2 *Administration Guide*, in Chapter 7, the section "Configuring System Preferences" has wrong description for Parent Array. The correct description is, "A parent array is a proxy array that a proxy or proxy array member routes through".

TABLE 4 Issues Resolved in Sun Java System Web Proxy Server 4.0.3 *(Continued)*

ID	Summary
6264079	The administration interface overwrites `default`, which is the default value for Directory Service.
6275141	In proxy server 4.0.2, 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.
6270693	Sometimes the `Filter` directive is invoked twice per request.
6285076	SOCKS server cannot handle both LDAP & password file for user authentication, when both the methods are configured.
6285183	`PR_MemUnmap()` call results in error in Windows.
6285791	SOCKS server `start` command line issue for JavaES 4 is resolved in this release, but existing instances created in JavaES 4 installation will have the problem even after upgrading to the latest 4.0.3 patches. The new instances created after upgrade will not have this problem. This problem is not there in standalone installation of web proxy server.
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.
6292729	The default setting for Client IP Addressing Forwarding should be Blocked.
6294282	The proxy server 4.0 administration interface cannot set the ACL correctly for any resource which includes a "\" in its pattern.
6294563	Default setting of the access log format to be different from the Web Server.
6295286	In the Proxy Server 4.0.2 *Administration Guide*, in Chapter 14, the section "Setting up a Reverse Proxy" needs to note in Step 5 that the "/" mapping is added only if the user doesn't change the contents of the "Map Source Prefix" text box provided automatically by the Administration GUI.
6296870	Details of the Cache Section Table on the administration interface are not displayed correctly.
6299913	The `ConnAddress` directive is not changed to `Address` during a migration from Proxy 3.6 to 4.0.
6300480	The setting of Cache tab is not migrated successfully during a migration from Proxy 3.6 to 4.0.
6300615	The meta tag is missing in localized core messages.
6301140	Migration creates invalid Cache entries when migrating an instance of proxy that has the cache disabled.
6303619	An ACL with a database that is registered with a name other than `default` does not work properly.
6304354	"Do Not Log Client Accesses From" option creates an invalid configuration.
6311548	The proxy server 4.0 uses `pauth-user` instead of `auth-user` for Access Log.

TABLE 4   Issues Resolved in Sun Java System Web Proxy Server 4.0.3   *(Continued)*

ID	Summary
6312044	In the proxy server 4.0 administration interface, the Monitor Current Activity page under the Server Status tab is not updated for DNS, Keep-Alive, and Cache Statistics.
6313910	On Windows, the Rewrite Headername feature fails and displays the message "Internal server error occurred".
6313959	In the Proxy Server 4.0.2 *Administration Guide*, 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 4.0.2 *Administration Guide*, 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 4.0.2 *Administration Guide*, in Chapter 12, the section "Building the Cache Directory Structure" includes an example that refers to figure 12-1 instead of 12-2.
6325537	Not able to change `RqThrottle` value through the administration interface.
6325616	Scheduled (explicit) Garbage Collection does not clear cache.
6328678	Cannot set ICPtimeout value to less than 400 milliseconds through the administration interface.
6331044	In the Proxy Server 4.0.2 *Administration Guide*, in the preface, the section "Using the Documentation" specifies the location of the Proxy Server 4 documentation. `http://docs.sun.com/app/docs/prod/s1.webproxys#hic` The section should point to Proxy Server 4.0.2 documentation at: `http://docs.sun.com/app/docs/coll/1311.2`
6334854	Inconsistency between documentation for Web Proxy Server and `sun-web-proxy-server_4_0.dtd`.
6337102	Web Proxy Server crashes with DNS fn = "dns-config" local-domain-levels = "8"
6338719	Patch upgrade of proxy server on Linux AS 3.0 installs in a different location.
6338875	Proxy 4.0.1 FTP Client fails to process symbolic links correctly.
6350957	In the Proxy Server 4.0.2 *Administration Guide*, in Chapter 5, the section "Enabling Security for Listen Sockets" does not mention that security can only be enabled in reverse proxy mode and not in forward proxy mode. Also, in Chapter 8, the section "Specifying Users and Groups" does not mention that security can only be enabled in reverse proxy mode and not in forward proxy mode.
6365433	Unable to create proxy server instance when Automatic Start option is selected in proxy server administration interface.
6367375	Mapping with CONNECT doesn't work when there is a parent proxy.
6369095	Memory leak in proxy server 4.0 .

TABLE 4   Issues Resolved in Sun Java System Web Proxy Server 4.0.3   *(Continued)*

ID	Summary
6371084	Requesting SSL site doesn't work in chained proxy environment when using IP address of the web server.
6371618	Can not change Compression Level to NONE.
6371731	No "`connect://.*:563`" in the default resource.
6371793	`pkginfo` displays $distro for SUNWproxy-l10n.
6373101	Administration server creates invalid parameter for ssl-client-config.
6373622	`cache-disable` SAF is not documented.
6374279	Response to webdav `OPTIONS` method not according to RFC2518.
6376065	`max-uncheck` function does not work as expected.
6376153	Proxy server 4.0.2 does not update cache for ftp/gopher protocols.
6381373	Proxy server crashes during run after restart if the cache is already warmed.
6381419	The value in Cache-last-checked header is invalid.
6381424	Warning header should contain the host:port value of the agent adding this header.
6382729	Proxy server does not accept utf-8 encoded parameters.
6383301	Proxy server 4.0 has a problem in channel pooling.
6383456	Proxy server 4.0.2 uses high CPU in Linux.
6384616	Proxy Server 4.0.3 online help has typographic errors.
6385902	The format in Set Access Log Preferences does not match with default format.
6387772	Changes in OLH, due to bugs (6325537, 6303619) fixed, need to be localized.
6387901	In the Proxy Server 4.0.2 *Administration Guide*, in chapter 11, the section "Chaining Proxy Servers" is not clear.
6388156	The headers of cached files can get corrupted.
6390237	Proxy passes incorrect content-length if the response contains double content-length headers.
6392875	`regexp-map` does not work for connect.
6393573	Proxy 4.0.2 crashes when DNS `fn="dns-config" local-domain-levels="1"`
6394287	SOCKS process polls too often which leads to `sockd` process taking up as much as 50% of CPU.
6395473	High CPU utilization problem in proxy server 4.0 while handling "slow" clients.
6395889	Windows Server Update Service (WSUS) does not work using proxy server 4.0.2.

TABLE 4   Issues Resolved in Sun Java System Web Proxy Server 4.0.3   *(Continued)*

ID	Summary
6400981	`SOCKS5_TIMEOUT` value set in `socks5.conf` is ignored.
6402698	High CPU utilization in FTP client.
6418214	Issues with proxy server 4.0 garbage collection feature.
6424527	Proxy server crashes while processing a request containing an empty cache-control header.

Issues resolved in 4.0.2

The following table lists the issues resolved in Sun Java System Web Proxy Server 4.0.2

TABLE 5   Issues Resolved in Sun Java System Web Proxy Server 4.0.2

ID	Summary
5097664	`ssl-tunnel-timeout` parameter does not work on Windows.
6225025	`ftp-listing-width` parameter does not work correctly.
6251805	Changes to archive logs results in a crash.
6262277	Changing the minimum `timeout` value for ICP from 400 to 50.
6292690	In Proxy Server 4, while using IE 6.0 to access the administration interface, can not select the original partition using Manage Sections>Partition .
6292786	Proxy Server does not write transfer time (and other times) to access log.
6308714	Proxy Server fails to start if umask is not set to 022.
6310909	In Proxy Server 4.0.1 point product, version string of the product name was over translated for French locale from 2005Q3 to 2005T3.
6310910	In Proxy Server 4.0.1 point product, many missing apostrophes in installer messages on French locale.
6310944	In Proxy Server 4.0.1 point product, CLI installer fails to display the license.
6310961	In Proxy Server 4.0.1 point product, the "Yes" in the license installer screen on Spanish locale not localized.
6312723	Cannot access SSL sites with IP address while using Proxy Server 4.0.
6313981	In Proxy Server 4, not able to change the value of Rewrite Content Location and Rewrite Headername after creating a new Reverse Mapping using the administration interface.
6315817	Multiple simultaneous CONNECT (SSL Tunneling) requests cause thread starvation.
6330348	High Memory usage by proxy process in Solaris 10 during stress run.

TABLE 5   Issues Resolved in Sun Java System Web Proxy Server 4.0.2   *(Continued)*

6333995	Memory leak while running stress tests for CONNECT.
6335919	Proxy Server's FTP client does not close a connection when the FTP Server has closed.
6335922	Proxy Server FTP client does not send USER request to FTP Server.
6336550	Error when trying to install Proxy Server 4.0.1 into a directory that contains a Proxy Server 4.0 install.

Issues resolved in 4.0.1

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

TABLE 6   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 `flexanlg` 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.
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 `localhost` while accessing the proxy server.
6253014	Crash occurs in the `init-proxy` SAF when there are more than 9 NameTrans directives in the `obj.conf` 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.

TABLE 6 Issues Resolved in Sun Java System Web Proxy Server 4.0.1   *(Continued)*

6255216	Some LDAP entries in the `socks5.conf` lead to `socksd` 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.
6295622	The function `ConnAddress` is not realized or documented in Proxy Server 4.0.
6296169	The header `Cache-last-checked` 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 4.0.4 release. The issues are listed by category:

Administration

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

TABLE 7 Known Issues in Administration

ID	Summary
6212701	Conflicting error message is displayed when server instance fails to start.
	The chances of occurrence of this conflicting error message is minimal as the chances of the administration interface writing wrong information in the configuration file is minimal. It can only occur if the user manually writes wrong information into the configuration file.
6224535	The `timeout` and `retries` parameters for the HTTP client cannot be configured through the administration interface.
	Note – The `timeout` parameter for `init-proxy` does not function as expected. Use the `http-client-config` SAF instead.
	Workaround
	The default value for the `timeout` parameter is five minutes and can be overridden by including the parameter, `timeout=` *number of seconds* in the `http-client-config` SAF of the `obj.conf` file.
	The default value for the `retries` parameter is three. The number of request retries can be configured by including the parameter `retries=`*number of retries* in the `http-client-config` SAF of the `obj.conf` file.
	The effective timeout is `timeout x (retries+1)`.
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.
6484502	Proxy Server administration interface is not localized.

TABLE 7 Known Issues in Administration *(Continued)*

6509535	Daylight Savings Time (DST) will start in USA from the 2nd Sunday of March and end on the 1st Sunday of November. This will impact the date and time rules of the operating system and JRE. In the standalone version of proxy server 4.0.4, JRE version compatible with 2007 DST changes is bundled with the installer (See ID no. 6519072 in "Issues resolved in 4.0.4" on page 10). However, you need to address the impact on the date and time rules of the operating system by installing the appropriate operating system patches as explained in step 1 of the Workaround. For the JavaES 5 installation of proxy server 4.0.4, you need to install the operating system patches and also the compatible version of JRE . Follow steps 1 and 2 of the Workaround. **Workaround** 1. Download and use the appropriate operating system patches. You can download the Solaris patches from http://sunsolve.sun.com/search/document.do?assetkey=1-26-102775-1. For other platforms, download similar DST compatible patches from the operating system vendor's web site. 2. For Solaris, Windows, and Linux, run proxy server with JRE 1.4.2_13. For HP-UX, run proxy server with JRE 1.4.2.12.

Caching

The following table lists the known issues related to caching.

TABLE 8 Known Issues in Caching

ID	Summary
6229823	When a new partition is added a default section s0.0 is also created irrespective of the partition size. Warning messages are logged in the errors file. **Workaround** Use the cbuild utility to add the new partition or delete the s0.0 folder under the new cache partition, and restart the proxy server. The error messages can be ignored.

Installation

The following table lists the known issues related to installation.

TABLE 9   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 `/var/opt/sun/install` directory does not exist.
6353576	Silent upgrade installation does not work.

Internationalization

The following table lists the known issues related to internationalization.

TABLE 10   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.
6297168	Starting the server in a different system encoding causes any errors returned by the system in that particular system encoding to be logged in the error log. When viewed through the Administration server, the error log might have characters in system encoding that do not display properly. **Workaround** Change the browser encoding to match the OS locale so that the error log can be properly viewed through the administration interface. But this will be needed every time you move to other pages and then return to View Error Log again.
6300080	Proxy server's content rewriting function is inconsistent.
6526476 and 6526488	In a standalone installation of proxy server on HP-UX, the installation in GUI mode results in the display of corrupted Japanese characters (ID no. 6526476). If the installation is continued, it results in error while creating an instance (ID no. 6526488). **Workaround** You can use either of the following workarounds: ■ Use the CLI mode of installation for Japanese locale on HP-UX. ■ Continue the installation even with the corrupted display of characters. When the installer fails to create an instance, log in to the administration interface and create an instance.
6526990	The localized online help has a broken link.

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.
6285791	SOCKS server `start` command line issue for JavaES 4 is resolved in this release, but existing instances created in JavaES 4 installation will have the problem even after upgrading to the latest 4.0.3 patches. The new instances created after upgrade will not have this problem. This problem is not there in stand-alone installation of web proxy server.

How to Report Problems and Provide Feedback

If you have problems with Sun Java System Web Proxy Server 4.0.4, 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

So that we can best assist you in resolving problems, please have the following information available when you contact support:

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

Sun Welcomes Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions. You can submit your comments by going to:
http://docs.sun.com/app/docs/form/comments

Additional Sun Resources

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

- Documentation for Sun Java System Web Proxy Server 4.0.4

  http://docs.sun.com/coll/1311.4

- Sun Software Products and Service

  http://www.sun.com/software

- Sun Developer Information

  http://developers.sun.com/

- Sun Developer Support Services

  http://developers.sun.com/prodtech/support/

- Software Support Services

  http://www.sun.com/service/support/software/

- Sun Support and Training Services

  Support: http://www.sun.com/support

  Training: http://www.sun.com/training/

- Sun Consulting and Professional Services

  http://www.sun.com/service/sunjavasystem/sjsservicessuite.html

Searching Sun Product Documentation

Besides searching Sun product documentation from the docs.sun.com^{SM} web site, you can use a search engine of your choice by typing the following syntax in the search field:

<search-term> site:docs.sun.com

For example, to search for "Web Proxy Server", type the following:

Web Proxy Server site:docs.sun.com

To include other Sun web sites in your search (for example, java.sun.com, www.sun.com, developers.sun.com), use sun.com in place of docs.sun.comin the search field.