

Oracle® iPlanet Web Proxy Server

Release Notes

Release 4.0.16

E18782-01

February 2011

Oracle iPlanet Web Proxy Server Release Notes, Release 4.0.16

E18782-01

Copyright © 2001, 2011, Oracle and/or its affiliates. All rights reserved.

Primary Author: Kumar Dhanagopal

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Preface	vii
Audience.....	vii
Documentation Accessibility	vii
Conventions	viii

1 Oracle iPlanet Web Proxy Server 4.0.16 Release Notes

1.1	Features and Enhancements in 4.0.16	1-1
1.2	Issues Resolved in 4.0.16	1-1
1.3	Product Patches for 4.0.16.....	1-3
1.4	Hardware and Software Requirements	1-3
1.4.1	Supported Platforms	1-3
1.4.2	System Virtualization Support	1-3
1.4.3	Swap Space	1-4
1.4.4	Operating System Patches	1-4
1.4.4.1	Solaris Patches.....	1-4
1.4.4.2	Linux Patches	1-4
1.4.4.3	HP-UX Patches.....	1-4
1.4.5	Supported Browsers	1-5
1.4.6	Deprecation Notices	1-5
1.5	Supported Software, Technologies, and Protocols	1-6
1.5.1	Transparent Proxy	1-6
1.5.2	URL Mapping.....	1-6
1.5.3	Monitoring Server Parameters.....	1-6
1.5.4	Embedded DNS Resolution	1-7
1.5.5	ACL Cache Tuning	1-7
1.5.6	Cache PURGE Feature	1-7
1.5.7	Internet Protocol Version 6 (IPv6) Support.....	1-8
1.5.8	NSS and NSPR Support	1-8
1.5.9	Modified FTP Transfer Mode.....	1-8
1.5.10	Upgrade Support	1-8
1.5.11	Enhanced Hardware Accelerator Encryption Support.....	1-9
1.5.12	Impact of U.S. DST Changes 2007	1-9

2 Known Issues

2.1	Proxy Server 4.0 Administration Issues.....	2-1
2.2	Proxy Server 4.0 Caching Issues	2-2
2.3	Proxy Server 4.0 Installation Issues.....	2-3
2.4	Proxy Server 4.0 Internationalization Issues.....	2-3
2.5	Proxy Server 4.0 Localization Issues	2-4
2.6	Proxy Server 4.0 SOCKS Issues.....	2-4

3 Product Documentation

3.1	Documentation Set.....	3-1
3.2	Corrections and Updates to 4.0.14 Manuals	3-2
3.2.1	Increase in the Maximum Cache Capacity.....	3-3
3.2.2	%Req->vars.xfer-time% Option of the flex-init Function	3-3
3.2.3	clf-request-leading-whitespace Parameter of the flex-log SAF.....	3-3
3.2.4	New Parameters of the um-define-junction SAF	3-3
3.2.5	Clarification About Unit of Time Used for the %duration% Log Option	3-4
3.2.6	Clarification About the Need to Explicitly Select New Directory Services.....	3-4
3.2.7	Information About the admin.conf File.....	3-4
3.2.8	Date and Time Parameters of the <Client> Tag.....	3-4
3.2.9	forward-unread-request-body Parameter of the http-client-config SAF.....	3-5
3.2.10	<Include> Tag in the obj.conf File.....	3-5
3.2.11	lookup-ipv6-first Parameter of the dns-config SAF.....	3-6
3.2.12	regexp-redirect Function of the NameTrans Directive	3-6
3.2.13	status-code and status-desc Parameters of the send-error SAF.....	3-7
3.2.14	New Directives in the magnus.conf File.....	3-7
3.3	Documentation, Support, and Training.....	3-8
A.1	Features and Enhancements in 4.0.15	A-1
A.2	Features and Enhancements in Proxy Server 4.0.14	A-2
B.1	Issues Resolved in 4.0.15	B-1
B.2	Issues Resolved in 4.0.14.....	B-2
B.3	Issues Resolved in 4.0.13.....	B-5
B.4	Issues Resolved in 4.0.12.....	B-6
B.5	Issues Resolved in 4.0.11	B-6
B.6	Issues Resolved in 4.0.10.....	B-7
B.7	Issues Resolved in 4.0.9	B-8
B.8	Issues Resolved in 4.0.8.....	B-9
B.9	Issues Resolved in 4.0.7	B-10
B.10	Issues Resolved in 4.0.6	B-11
B.11	Issues Resolved in 4.0.5.....	B-13
B.12	Issues Resolved in 4.0.4	B-15
B.13	Issues Resolved in 4.0.3	B-19
B.14	Issues Resolved in 4.0.2	B-22
B.15	Issues Resolved in 4.0.1	B-23

List of Tables

1-1	Issues Resolved in Oracle iPlanet Web Proxy Server 4.0.16	1-1
2-1	Known Issues in Administration.....	2-1
2-2	Known Issues in Caching	2-2
2-3	Known Issues in Installation	2-3
2-4	Known Issues in Internationalization	2-3
2-5	Known Issues in Localization	2-4
2-6	Known Issues in SOCKS.....	2-4
3-1	iPlanet Web Proxy Server 4.0.14 Documentation Set	3-1
3-2	New Parameters of the um-define-junction SAF	3-4
3-3	<i>magnus.conf</i> Directives	3-7
B-1	Issues Resolved in iPlanet Web Proxy Server 4.0.15.....	B-1
B-2	Issues Resolved in iPlanet Web Proxy Server 4.0.14.....	B-2
B-3	Issues Resolved in iPlanet Web Proxy Server 4.0.13.....	B-5
B-4	Issues Resolved in iPlanet Web Proxy Server 4.0.12.....	B-6
B-5	Issues Resolved in iPlanet Web Proxy Server 4.0.11.....	B-6
B-6	Issues Resolved in iPlanet Web Proxy Server 4.0.10.....	B-7
B-7	Issues Resolved in iPlanet Web Proxy Server 4.0.9.....	B-8
B-8	Issues Resolved in iPlanet Web Proxy Server 4.0.8.....	B-9
B-9	Issues Resolved in iPlanet Web Proxy Server 4.0.7.....	B-10
B-10	Issues Resolved in iPlanet Web Proxy Server 4.0.6.....	B-11
B-11	Issues Resolved in iPlanet Web Proxy Server 4.0.5.....	B-13
B-12	Issues Resolved in iPlanet Web Proxy Server 4.0.4.....	B-15
B-13	Issues Resolved in iPlanet Web Proxy Server 4.0.3.....	B-19
B-14	Issues Resolved in iPlanet Web Proxy Server 4.0.2.....	B-22
B-15	Issues Resolved in iPlanet Web Proxy Server 4.0.1.....	B-23

Preface

Oracle iPlanet Web Proxy Server (also referred to as Proxy Server in this document) represents the HTTP caching and acceleration foundation for high-performance Internet and intranet environments. Proxy Server is a system for caching and filtering web content and boosting network performance, offering integration with the entire network infrastructure, cross-platform support, and centralized management capabilities.

The information in this document is organized as follows:

- [Chapter 1, "Oracle iPlanet Web Proxy Server 4.0.16 Release Notes"](#) contains information about the features, enhancements, and issues resolved in Proxy Server 4.0.16; the hardware and software requirements; and installation, migration, and upgrade notes.
- [Chapter 2, "Known Issues"](#) lists the important known issues and limitations at the time of the Proxy Server 4.0.16 release.
- [Chapter 3, "Product Documentation"](#) presents an overview of the Proxy Server documentation; describes the documentation corrections, enhancements, and issues resolved; and provides information about how to access documentation, support, and training resources.
- [Appendix A, "Features and Enhancements in Previous Proxy Server 4.0 Releases"](#) describes the features and enhancements in previous releases of the product.
- [Appendix B, "Issues Resolved in Previous Proxy Server 4.0 Releases"](#) lists the issues resolved in previous releases of the product.

Audience

This book is intended for Web Server administrators to manage the server in production environments. The guide assumes familiarity with the following areas:

- Installing software
- Using web browsers
- Performing basic system administration tasks
- Issuing commands in a terminal window

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive

technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/support/contact.html> or visit <http://www.oracle.com/accessibility/support.html> 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.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Oracle iPlanet Web Proxy Server 4.0.16 Release Notes

This chapter contains information about the features, enhancements, and resolved issues in the 4.0.16 release of Oracle iPlanet Web Proxy Server. Read this document before installing and configuring Oracle iPlanet Web Proxy Server, and then periodically thereafter for the most up-to-date information. This chapter also provides information about the platforms, software, technologies, and protocols that the latest release supports.

This chapter contains the following sections:

- [Features and Enhancements in 4.0.16](#)
- [Issues Resolved in 4.0.16](#)
- [Product Patches for 4.0.16](#)
- [Hardware and Software Requirements](#)
- [Supported Software, Technologies, and Protocols](#)

1.1 Features and Enhancements in 4.0.16

In addition to fixing several bugs, as listed in [Section 1.2, "Issues Resolved in 4.0.16,"](#) the 4.0.16 release of Oracle iPlanet Web Proxy Server provides the following enhancement:

The `um-define-junction` SAF now accepts several new parameters to configure cookie rewriting. For more information about this enhancement, see [Section 3.2.4, "New Parameters of the um-define-junction SAF."](#)

1.2 Issues Resolved in 4.0.16

[Table 1-1](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.16. The documentation issues are prefixed "Doc:" in the Summary column of the table.

Table 1-1 Issues Resolved in Oracle iPlanet Web Proxy Server 4.0.16

Issue ID	Summary
6941325	Doc: Cache capacity needs to be updated in the admin guide. See Section 3.2.1, "Increase in the Maximum Cache Capacity."
6943974	Doc: Flexible logging option <code>%Req->vars.xfer-time%</code> should be documented. See Section 3.2.2, "%Req->vars.xfer-time% Option of the flex-init Function."

Table 1–1 (Cont.) Issues Resolved in Oracle iPlanet Web Proxy Server 4.0.16

Issue ID	Summary
6976513	Optionally strip newlines off clf-request while creating access log entries. For more information, see Section 3.2.3, "clf-request-leading-whitespace Parameter of the flex-log SAF."
6977597	admin: Need better documentation/awareness on "open proxy security hole" (bug# 6565436).
6977869	Event scheduler should report completion of scheduled commands by an appropriate message in the error log.
6981847	URL filter: Hash table lookups happen without locking.
6984479	WPS4.0.14 support matrix is not correct.
6987488	SOCKS server does not allow log file names longer than 128 characters.
6988564	admin: Place a consistent limit on the length of a new instance's server ID.
6989877	URL mapping neither rewrites nor forwards domain parameters in Set-cookie: headers. Two new parameters—set-cookie-domain-from and set-cookie-domain-to have been introduced for the um-define-junction SAF. For more information, see Section 3.2.4, "New Parameters of the um-define-junction SAF."
6991199	Proxy should start correctly when there is a pid file with nonrelated PID.
6991975	URL mapping: Need feature to rewrite path parameters of Set-cookie: headers. Two new parameters—set-cookie-path-from and set-cookie-path-to have been introduced for the um-define-junction SAF. For more information, see Section 3.2.4, "New Parameters of the um-define-junction SAF."
6994416	Doc: %duration% measured in milliseconds in Red Hat Linux (whereas documentation indicates microseconds). See Section 3.2.5, "Clarification About Unit of Time Used for the %duration% Log Option."
6997088	Should support Forwarded: header for compatibility with 3.6.
7001073	Doc: ACL database name does not work. See Section 3.2.6, "Clarification About the Need to Explicitly Select New Directory Services."
7002721	Enhance verbose and finest logging for LDAP database errors.
7003922	cluster: Admin Server with SSL can't add server to cluster database and transfer files.
7006581	WPS4.0.12: High CPU usage.
7006595	Version changes for 4.0.16.
7006908	Doc: Document the cookie rewriting feature newly added to URL mapping. See Section 3.2.4, "New Parameters of the um-define-junction SAF."
7006910	Doc: Document the new parameter added to the "flex-log" SAF. For more information, see Section 3.2.3, "clf-request-leading-whitespace Parameter of the flex-log SAF."
7007911	cluster: Admin CGI crashes while attempting to transfer configuration to slave.
7007928	cluster: SSL clients in admin CGIs should trust all server certs by default.
7009238	LDAP connection problem when in Windows 2008.

Table 1-1 (Cont.) Issues Resolved in Oracle iPlanet Web Proxy Server 4.0.16

Issue ID	Summary
7010394	Server crash during startup while processing incorrectly formatted password.conf.
7011418	URL mapping: Redirects lose the query string.
7014437	URL mapping: Content/URL rewriting produces corrupted responses.
7015526	Blank page is displayed on clicking the Cluster tab in the Administration Server interface (HP-UX).

1.3 Product Patches for 4.0.16

The following table lists the patches available for Oracle iPlanet Web Proxy Server 4.0.16 on My Oracle Support (<http://support.oracle.com>).

Platform	Patch ID
HP-UX	145608-02
Linux x86	145605-02
Solaris SPARC (32-bit)	145604-02
Solaris x86 (32-bit)	145606-02
Windows (32-bit)	145607-02

1.4 Hardware and Software Requirements

This section provides information about the hardware and software requirements of Oracle iPlanet Web Proxy Server 4.0.16.

This section includes the following topics:

- [Supported Platforms](#)
- [System Virtualization Support](#)
- [Swap Space](#)
- [Operating System Patches](#)
- [Supported Browsers](#)
- [Deprecation Notices](#)

1.4.1 Supported Platforms

Complete information about supported operating environments and hardware for Oracle iPlanet Web Proxy Server 4.0.16 is available in the *Oracle iPlanet Web Proxy Server 4.0.14+ Certification Matrix*, which is available at:

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

1.4.2 System Virtualization Support

System virtualization is a technology that enables multiple operating system (OS) instances to execute independently on shared hardware. Functionally, software deployed to an OS hosted in a virtualized environment is generally unaware that the

underlying platform has been virtualized. Oracle performs testing of its products on select system virtualization and OS 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>

1.4.3 Swap Space

In addition to the requirements provided in *Oracle iPlanet Web Proxy Server 4.0.14+ Certification Matrix*, your system must also have adequate swap space:

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

1.4.4 Operating System Patches

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

1.4.4.1 Solaris Patches

The following is the required patch level for Oracle iPlanet Web Proxy Server 4.0.16 on 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++)

1.4.4.2 Linux Patches

The following are the required patch levels for Oracle iPlanet Web Proxy Server 4.0.16 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

1.4.4.3 HP-UX Patches

The following are the required HP-UX patches:

- HP-UX 11i Operating Environment Component-B.11.11.0412
- Required patch bundle for 11i, June 2003-B.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 without understanding all the potential risks to your system.

1.4.5 Supported Browsers

Complete information about supported web browsers for Oracle iPlanet Web Proxy Server 4.0.16 is available in *Oracle iPlanet Web Proxy Server 4.0.14+ Certification Matrix*, which is available at:

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

1.4.6 Deprecation Notices

Operating System Versions. As of the release of Oracle iPlanet Web Proxy Server 4.0.16, the following operating system versions are deprecated and will become unsupported in a future release of Proxy Server:

HP-UX 11.11

Microsoft Windows 2000 Server and Windows 2000 Advanced Server

Red Hat Enterprise Linux Advanced Server 3

Solaris 8

Solaris 9 for SPARC and x86

Web Browser Versions. As of the release of Oracle iPlanet Web Proxy Server 4.0.16, the following web browser versions are deprecated and will become unsupported in a future release of Proxy Server:

Microsoft Internet Explorer 6

Mozilla 1.4.1 and 1.7.2

Netscape Navigator 7.1 and 7.2

1.5 Supported Software, Technologies, and Protocols

The recent releases of Proxy Server include the enhancements described in the following subsections.

1.5.1 Transparent Proxy

Oracle iPlanet Web Proxy Server 4.0 supports transparent proxy for HTTP/1.1 connections. Transparent proxying involves intercepting and processing web requests by using the proxy server, without the knowledge or control of clients. For example, a router for a local network is configured to redirect incoming TCP connections to the local port, in which the proxy server is active.

Add the following directive to the proxy server `default` object in the `obj.conf` file:

```
NameTrans fn="host-map"
```

This configuration enables the proxy server to use the `HTTP Host :` header of incoming requests to identify and redirect the request to the target remote server.

Note: Transparent proxy servers that decide connections based on the `HTTP Host :` headers are vulnerable to fake `HTTP Host :` headers forged through the active content. Therefore, suitable ACL configurations must be implemented to prevent connections to web sites that might host malicious content.

1.5.2 URL Mapping

URL mapping was implemented in Oracle iPlanet Web Proxy Server 4.0.8. It enables the Proxy Server to act as a reverse proxy. This feature enables Proxy Server to provide a single front-end host name for back-end application servers. Based on a requester's URI, access is provided to back-end servers.

For more information about URL mapping, see "Reverse Proxy Scenario" in *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*.

For information about Server Application Functions (SAFs) used in URL mapping, see "Server Application Functions (SAFs)" in *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*.

1.5.3 Monitoring Server Parameters

The monitoring capabilities of Proxy Server provide a detailed list of the server parameters that you can monitor at instance level.

From the Proxy Administration Server, you can perform the following actions:

- View server statistics at an instance level
- Enable or disable parameters at an instance level

To monitor the server, do the following:

1. Access the Administration Server
2. Click the Instance link from the Manage Servers page
3. Click the **Server Status** tab
4. Click the **Monitor Current Activity** tab

5. Set the Monitoring Current Activity to ON to monitor the server

You can also refresh the server in intervals of 5,10, and 15 seconds and view the statistics of the DNS, Keep-Alive, Cache, Server Requests, and Work Thread connections.

1.5.4 Embedded DNS Resolution

The embedded DNS supports the nondefault name resolution. The DNS client interacts with a DNS server to perform the name resolution. The new SAF dns-lookup, receives the DNS server's IP address as a server argument. This IP address should be added as a DNS directive in the obj.conf file.

In the following example, the IP address of the DNS server is specified in the server parameter:

```
<object>
...
DNS fn="dns-lookup" server="170.168.10.3"
...
</object>
```

In the following example, you can add multiple DNS server IPs to dns-lookup-init, and it will be used in a round-robin model. In this scenario, do not add DNS server IP address to dns-lookup. If DNS server parameters are added to both dns-lookup and dns-lookup-init, the dns-lookup argument will take precedence.

```
...
<Object>
...
DNS fn="dns-lookup"
...
Init fn="dns-lookup-init" servers="170.168.10.3, 170.158.10.4"
</Object>
```

1.5.5 ACL Cache Tuning

ACLCacheMax is a magnus.conf parameter that sets a limit to the total number of ACLs stored in the ACL cache. There is no default value for ACLCacheMax and it should be configured for a specific limit.

For example, ACLCacheMax 16384

Note: The ACL cache in this context does not refer to the ACL user cache. It refers to a cache where ACLs are applicable to specific URLs that are cached for performance reasons.

GCAtStartup is a magnus.conf parameter that allows a Boolean value. By default, the value is false; if set to true, cache garbage collector clears the garbage during the server startup. This can increase the server startup time when the cache size is large.

1.5.6 Cache PURGE Feature

Oracle iPlanet Web Proxy Server allows PURGE requests to clear the cached URL. If the requested URL is purged successfully, a response with an HTTP status code of 200

(OK) is sent by the server. If the specified URL is not cached, a 404 (Not Found) response is sent.

In the following example, the server returns the value 200:

```
bash-2.03$ telnet localhost 8088
Trying 172.9.10.1...
Connected to localhost.
Escape character is '^].
PURGE http://foo.com/ HTTP/1.0

HTTP/1.1 200 OK
Server: Oracle-iPlanet-Proxy-Server/4.0
Date: Fri, 26 Oct 2007 08:15:30 GMT
Connection: close
```

In the following example, the server returns the value 404:

```
Connection closed by foreign host.
bash-2.03$ telnet localhost 8088
Trying 172.9.10.1...
Connected to localhost.
Escape character is '^].
PURGE http://foo.com/ HTTP/1.0

HTTP/1.1 404 Not Found
Server: Oracle-iPlanet-Proxy-Server/4.0
Date: Mon, 17 Sep 2007 10:13:28 GMT
Content-length: 96
Content-type: text/html
Connection: close
```

1.5.7 Internet Protocol Version 6 (IPv6) Support

You can connect to an IPv6-enabled web site through Oracle iPlanet Web Proxy Server 4.0.11. Proxy Server also supports the `ftp` extension for IPv6 in default (passive) mode.

1.5.8 NSS and NSPR Support

Oracle iPlanet Web Proxy Server 4.0.16 supports Network Security Services (NSS) 3.12.6 and Netscape Portable Runtime (NSPR) 4.8.4.

1.5.9 Modified FTP Transfer Mode

From the Oracle iPlanet Web Proxy Server 4.0.6 release, support for extended address passive port (EPSV) mode has been introduced.

1.5.10 Upgrade Support

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

1.5.11 Enhanced Hardware Accelerator Encryption Support

Oracle iPlanet Web Proxy Server 4.0.12 provides hardware accelerator support for Sun Crypto Accelerator 6000, a cryptographic accelerator board that enhances the performance of SSL on Proxy Server.

1.5.12 Impact of U.S. DST Changes 2007

Daylight Savings Time (DST) starts in U.S.A 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 ensure that the log files contain the correct time in US time zones, and that the Administration Server is not impacted by this change, do the following:

- Download and install the appropriate operating system patches.
For other platforms, download similar DST-compatible patches from the respective operating system vendor's web site.
- For Solaris, Windows, and Linux, run Proxy Server with JRE 1.5.0_12. For HP-UX, run Proxy Server with JRE 1.5.0_12.

Known Issues

This chapter lists the important known issues and limitations at the time of the iPlanet Web Proxy Server 4.0.16 release.

The issues are grouped under the following categories:

- [Proxy Server 4.0 Administration Issues](#)
- [Proxy Server 4.0 Caching Issues](#)
- [Proxy Server 4.0 Installation Issues](#)
- [Proxy Server 4.0 Internationalization Issues](#)
- [Proxy Server 4.0 Localization Issues](#)
- [Proxy Server 4.0 SOCKS Issues](#)

2.1 Proxy Server 4.0 Administration Issues

[Table 2-1](#) lists the known issues related to the administration user interface.

Table 2-1 Known Issues in Administration

Issue ID	Summary
6653507	If Monitor Current Activity Statistics/Profiling is set to ON, it cannot be turned OFF from the user's interface.
6212701	Conflicting error messages are displayed when server instance fails to start. The chances of occurrence of the conflicting error messages are minimal because the chances of the administration interface writing wrong information in the configuration file is minimal. It can occur only if the user manually writes wrong information into the configuration file.
6231297	The Restart Required link disappears if changes are made to the SOCKS configuration and Proxy Server is restarted instead of the SOCKS server.
6484502	Proxy Server administration interface is not localized.

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

Issue ID	Summary
6509535	<p>Daylight Savings Time (DST) will start in U.S.A 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.</p> <p>In the standalone version of Proxy Server, the JRE version compatible with 2007 DST changes is bundled with the installer. 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.</p> <p>For the Java ES 5 installation of Proxy Server, you need to install the operating system patches and also the compatible version of JRE. Follow Step 1 and Step 2 of the workaround.</p> <p>Workaround</p> <ol style="list-style-type: none"> 1. Download and use the appropriate operating system patches. 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.
6558027	On Windows, a server identifier with multibyte characters causes server-side <code>createInstance.exe</code> error.
6867774	The Administration Server fails to start when a proxy installation that uses a custom JDK configuration is upgraded to a service pack version that requires a newer JDK version. After the upgrade, the JDK configuration must be manually modified to point to either the bundled JDK or a custom JDK of the required version.
6909558	Backslashes should be used in LDAP UIDs only to escape special characters. The <code>ldap sdk</code> used by the Proxy server will remove backslashes from the UID before sending the same to the directory server. This can possibly lead to a situation where the authentication fails where it should succeed (because the UID, with backslashes stripped, finds no match in the directory server), or even succeeds where it should fail (because the UID, with backslashes stripped, finds a match in the directory server).
6888170	Upgrade fails on RHEL4 when the specified target directory name contains a trailing slash.

2.2 Proxy Server 4.0 Caching Issues

Table 2–2 lists the known issues related to caching.

Table 2–2 Known Issues in Caching

Issue ID	Summary
6654514	Proxy-agent header displays the original header for request type 504.
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.
	<p>Workaround</p> <p>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 Proxy Server.</p> <p>The error messages can be ignored.</p>

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

Issue ID	Summary
6619620	<p>Doc RFE: Proxy Server should not be used with Network Cache Accelerator (NCA).</p> <p>When Proxy Server 4.0.8 is used with NCA, a browser repeatedly prompts for the User ID and password. This happens because NCA does not support Proxy Server-specific headers such as <code>Proxy-authorization</code>.</p> <p>Workaround</p> <p>Do not select NCA in the Proxy Listen Socket setting.</p>

2.3 Proxy Server 4.0 Installation Issues

[Table 2–3](#) lists the known issues related to installation.

Table 2–3 Known Issues in Installation

Issue ID	Summary
6205683	Windows console installation fails.
6255325	The installer throws an exception and the installation fails on Linux if the user installs Proxy Server as a non root user and the <code>/var/opt/sun/install</code> directory does not exist.
6353576	Silent upgrade installation does not work.
6587776	Proxy Server from Java ES 5 on Windows XP displays system error 1067.
6756659	Proxy Server 4.0.9 can be installed on OpenSolaris by using the GUI installer only if the <code>--javahome</code> option of the <code>setup</code> command is used to specify a JDK 1.6 location.
6607551	<p>On Windows, uninstalling the patch does not change the Proxy Server release to the previous release number.</p> <p>Reverting the patch through the <code>Uninstaller</code> script does not change the service description name to the previous Proxy Server release due to the <code>RenameService.exe</code> utility limitations. Therefore, even after uninstalling the patch, the service description shows the latest Proxy Server release instead of the previous release number.</p>

2.4 Proxy Server 4.0 Internationalization Issues

[Table 2–4](#) lists the known issues related to internationalization.

Table 2–4 Known Issues in Internationalization

Issue 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.
6253844	Proxy Server online help does not support the language <code>zh-cn</code> .

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

Issue ID	Summary
6297168	<p>Starting the server in a different system encoding causes any errors returned by that particular system to be logged in the error log. When viewed through the Administration Server, the error log might have characters in the system encoding that do not display properly.</p> <p>Workaround</p> <p>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.</p>
6300080	Proxy Server's content rewriting function is inconsistent.
6526476 and 6526488	<p>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).</p> <p>Workaround</p> <p>You can use either of the following workarounds:</p> <ul style="list-style-type: none"> ▪ 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.
6550995	<p>The following error message is not localized for all the locales:</p> <p>HTTP7774: received extraneous data following response</p>

2.5 Proxy Server 4.0 Localization Issues

[Table 2–5](#) lists the know issues related to Localization.

Table 2–5 Known Issues in Localization

Issue ID	Summary
6779070	The Proxy Server online help has broken links for Terms of Use.
6253844	The set language option in the Proxy Server online help does not support the language zh-cn.
6828246	The Korean characters are not displayed in the Proxy Server installer on RHEL 5.2.

2.6 Proxy Server 4.0 SOCKS Issues

[Table 2–6](#) lists the known issues related to SOCKS.

Table 2–6 Known Issues in SOCKS

Issue 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.

Table 2–6 (Cont.) Known Issues in SOCKS

Issue ID	Summary
6285791	SOCKS server start command-line issue for Java ES 4 is resolved in release 4.0.5, but existing instances created in Java ES 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 a standalone installation of Proxy Server.

Product Documentation

The iPlanet Web Proxy Server 4.0 documentation is provided in a number of ways:

- Manuals - You can view the Oracle iPlanet Web Proxy Server 4.0 manuals and release notes in HTML and in printable PDF formats.
- Online help - Click the Help button in the graphical interface to search a context-sensitive help window.

Oracle iPlanet Web Proxy Server 4.0.14 is the last release for which the entire documentation set for Oracle iPlanet Web Proxy Server 4.0 was updated. Subsequent to the 4.0.14 release, updates and corrections to Oracle iPlanet Web Proxy Server 4.0 documentation are provided in this *Release Notes* document; see [Section 3.2, "Corrections and Updates to 4.0.14 Manuals."](#)

This chapter includes the following sections:

- [Documentation Set](#)
- [Corrections and Updates to 4.0.14 Manuals](#)
- [Documentation, Support, and Training](#)

3.1 Documentation Set

The Oracle iPlanet Web Proxy Server 4.0.14 documentation is available at:

<http://download.oracle.com/docs/cd/E19438-01/>

For an introduction to Oracle iPlanet Web Proxy Server, read the books in the order in which they are listed in [Table 3-1](#).

Table 3-1 iPlanet Web Proxy Server 4.0.14 Documentation Set

Document Title	Contents
<i>Oracle® iPlanet Web Proxy Server 4.0.15 Release Notes</i> (this document)	<p>Summarizing the Proxy Server release:</p> <ul style="list-style-type: none"> ■ Late-breaking information about the software and the documentation ■ New features ■ Supported platforms and environments ■ System requirements ■ Known issues and workarounds
<i>Installation and Migration Guide</i>	<p>Performing installation and migration tasks:</p> <ul style="list-style-type: none"> ■ Installing iPlanet Web Proxy Server ■ Migrating from release 3.6 to release 4.0

Table 3–1 (Cont.) iPlanet Web Proxy Server 4.0.14 Documentation Set

Document Title	Contents
<i>Administration Guide</i>	<p>Performing administration and management tasks:</p> <ul style="list-style-type: none"> ■ Using the administration and command-line interfaces ■ Configuring server preferences ■ Managing users and groups ■ Monitoring and logging server activity ■ Using certificates and public key cryptography to secure the server ■ Controlling server access ■ Proxying and routing URLs ■ Caching ■ Filtering content ■ Using a reverse proxy ■ Using SOCKS
<i>Configuration File Reference</i>	Editing configuration files
<i>NSAPI Developer's Guide</i>	Creating custom Netscape Server Application Programming Interface (NSAPI) plugins
<i>Performance Tuning, Sizing, and Scaling Guide</i>	Tuning iPlanet Web Proxy Server to optimize performance

3.2 Corrections and Updates to 4.0.14 Manuals

The following sections describe corrections and updates to Oracle iPlanet Web Proxy Server 4.0.14 manuals:

- [clf-request-leading-whitespace Parameter of the flex-log SAF](#)
- [Increase in the Maximum Cache Capacity](#)
- [%Req->vars.xfer-time% Option of the flex-init Function](#)
- [Clarification About Unit of Time Used for the %duration% Log Option](#)
- [Information About the admin.conf File](#)
- [Date and Time Parameters of the <Client> Tag](#)
- [New Parameters of the um-define-junction SAF](#)
- [forward-unread-request-body Parameter of the http-client-config SAF](#)
- [<Include> Tag in the obj.conf File](#)
- [lookup-ipv6-first Parameter of the dns-config SAF](#)
- [regexp-redirect Function of the NameTrans Directive](#)
- [status-code and status-desc Parameters of the send-error SAF](#)
- [New Directives in the magnus.conf File](#)

3.2.1 Increase in the Maximum Cache Capacity

The "Setting Cache Capacity" section of the *Oracle iPlanet Web Proxy Server 4.0.13 Administration Guide* mentions that the cache capacity can be up to a maximum of 32 GB.

Starting from the 4.0.10 release, the maximum cache capacity that can be configured through the administration interface is 128 GB.

Note: You can manually configure the cache capacity to any value higher than 128 GB (no upper limit) by editing the `server.xml` configuration file. But if you opt for the manual configuration route and want to set the cache capacity to a value that is less than 128 GB, then only the following values are allowed: 125, 250, 500, 1000, 2000, 4000, 8000, 16000, 32000, 64000, 128000.

3.2.2 %Req->vars.xfer-time% Option of the flex-init Function

In the "Log Format" section of the *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*, Table 5-4 lists the available flexible logging options. The `%Req->vars.xfer-time%` option is missing from the list.

The `%Req->vars.xfer-time%` option can be used to log the transfer time (in seconds).

3.2.3 clf-request-leading-whitespace Parameter of the flex-log SAF

Proxy Server 4.0.16 supports a new parameter, `clf-request-leading-whitespace`, for the `flex-log` SAF of the `AddLog` directive. The following table provides information about the new parameter.

Parameter	Description
<code>clf-request-leading-whitespace</code>	(Optional) A boolean value indicating whether leading newlines in request lines should be removed before printing to the server access log. The default value is <code>yes</code> . Example: <code>AddLog fn="flex-log" name="access" clf-request-leading-whitespace="no"</code>

For information about the other parameters of the `flex-log` SAF, see the "flex-log" section of the *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*.

3.2.4 New Parameters of the um-define-junction SAF

Table 3-2 lists new parameters added for the `um-define-junction` SAF of the `Init` directive since the 4.0.14 release. Note that these parameters are not documented in the *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*.

Table 3-2 New Parameters of the *um-define-junction* SAF

Parameter	Added in Release	Description
set-cookie-domain-from and set-cookie-domain-to	4.0.16	(Optional) These parameters can be used to specify the target and destination values for rewriting the domain parameter of Set-cookie: headers received from backend servers.
rewrite-set-cookie-domain	4.0.16	(Optional) If this parameter is set to true, the domain parameter of Set-cookie: headers received from backend servers are rewritten to the domain of the proxy server.
main		The default value is false.
insert-set-cookie-domain	4.0.16	(Optional) This parameter can be used to insert a domain parameter into Set-cookie: headers received from backend servers.
ain		
set-cookie-path-from and set-cookie-path-to	4.0.16	(Optional) These parameters can be used to specify the target and destination values for rewriting the path parameter of Set-cookie: headers received from backend servers.
disable-javascript-regexp	4.0.15	(Optional) A regular expression matched against the names of JavaScript variables when the has-javascript parameter is set to yes. Variables whose names match the regular expression are <i>not</i> rewritten (as they typically would be with has-javascript set to yes). There is no default value for this parameter.
write		

3.2.5 Clarification About Unit of Time Used for the %duration% Log Option

According to the "Log Format" section of the *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*, the %duration% option indicates the time the server spent handling the request in microseconds.

Note the following clarification:

- On Solaris and AIX, the server calculates and records the time in microseconds.
- However, on Windows, HP-UX, and Linux, the server calculates the time in milliseconds and records it in microseconds.

3.2.6 Clarification About the Need to Explicitly Select New Directory Services

The "Configuring Directory Services" section of the *Oracle iPlanet Web Proxy Server 4.0.14 Administration Guide* describes how to create a directory service. Note that if you want to use the new directory service with a specific proxy server instance, you must select it as described in the "Selecting Directory Services" section.

3.2.7 Information About the admin.conf File

The admin.conf file, located in the install-dir/proxyadmserv/config directory, is an internal configuration file that Proxy Server maintains. Do not modify this file.

3.2.8 Date and Time Parameters of the <Client> Tag

Oracle iPlanet Web Proxy Server 4.0.15 supports several new parameters for the <Client> tag, as described in the following table.

Parameter	Description
date-start and date-end	These two parameters specify the start date and end date, respectively, for a time interval. They take values of the format of the UNIX date command, excluding the time zone specification. Additionally, the weekday portion of the date command format is optional.
day-start and day-end	These two parameters specify the start day number and end day number, respectively, for a day interval in a month. They take values in the range 1 through 31.
month-start and month-end	These two parameters specify the start month and end month, respectively, for a month interval in a year. They take the values Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, and Dec.
time-start and time-end	These two parameters specify the start time and end time, respectively, for a time interval in a day. They take values of the form hour : minute : second on a 24-hour clock.
weekday-start and weekday-end	These two parameters specify the start day and end day, respectively, for a day interval in a week. They take the values Sun, Mon, Tue, Wed, Thu, Fri, and Sat.

Examples

- This example specifies a time interval of every Tuesday through Friday from 9:00 AM through 5:00 PM:

```
<Client weekday-start="Tue" weekday-end="Fri" time-start="09:00:00"
time-end="17:00:00">
```

- This example specifies a time interval of the first through the fifteenth of every month from 12:00 AM through 4:00 AM:

```
<Client day-start="1" day-end="15" time-start="00:00:00" time-end="04:00:00">
```

3.2.9 forward-unread-request-body Parameter of the http-client-config SAF

The section "http-client-config" in *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference* does not include information about the forward-unread-request-body parameter, which became available in Proxy Server 4.0.14. The following table provides information about this parameter.

Parameter	Description
forward-unread-request-body	(Optional) A Boolean operator that indicates whether a request body that arrives in a TCP packet separate from the request header should be forwarded to the server of origin. The default value is <code>false</code> , meaning that request bodies arriving in TCP packets separate from their request headers are not forwarded to the server of origin.

3.2.10 <Include> Tag in the obj.conf File

Proxy Server 4.0.15 supports a new tag in the `obj.conf` file. This tag, `<Include>`, includes the content of another file in the `obj.conf` file, effectively enabling you to divide the content of `obj.conf` across several files to make management of your configuration easier.

The syntax of the `<Include>` tag is:

```
<Include>
  filename
</Include>
```

filename is the name of the file to be included in the *obj.conf* file where the *<Include>* tag occurs.

When using the *<Include>* tag, keep these points in mind:

- The *<Include>* tag can be used outside the context of *<Object>*. For example, you could put all the *Init* directives in a file and then include that file at the start of the *obj.conf* file.
- An included file can contain other included files; that is, an included file can itself contain an *<Include>* tag.
- An included file cannot cross *<Object>* boundaries; that is, included file cannot end one object and start another.

3.2.11 *lookup-ipv6-first* Parameter of the *dns-config* SAF

Proxy Server 4.0.15 supports a new parameter, *lookup-ipv6-first*, for the *dns-config* SAF of the *DNS* directive. The following table provides information about this new parameter.

Parameter	Description
<i>lookup-ipv6-first</i>	(Optional) A Boolean operator that specifies whether to look up IPv6 or IPv4 addresses first. The default value is <i>false</i> , meaning that IPv4 addresses are looked up first.

3.2.12 *regexp-redirect* Function of the *NameTrans* Directive

The section "NameTrans" in *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference* does not include information about the *regexp-redirect* function. Information about this function follows.

The *regexp-redirect* function is applicable in *NameTrans-class* directives.

The *regexp-redirect* function enables you to change URLs and send the updated URL to the client. When a client accesses your server with an old path, the server treats the request as a request for the new URL.

The following table describes parameters for the *regexp-redirect* function.

Parameter	Description
<i>from</i>	A regular expression for the prefix of the requested URL to match.
<i>url/url-prefix</i>	<i>url</i> specifies a complete URL to return to the client. <i>url-prefix</i> specifies the new URL prefix to return to the client. The <i>from</i> prefix is simply replaced by this URL prefix. You cannot use these parameters together.
<i>escape</i>	(Optional) A Flag that tells the server to use the <i>util_uri_escape</i> action on the URL before sending it. It should be <i>yes</i> or <i>no</i> . The default is <i>yes</i> . For more information about <i>util_uri_escape</i> , see <i>Oracle iPlanet Web Proxy Server 4.0.14 NSAPI Developer's Guide</i> .
<i>bucket</i>	(Optional) This is common to all <i>obj.conf</i> functions.

3.2.13 status-code and status-desc Parameters of the send-error SAF

Proxy Server 4.0.15 supports two new parameters for the send-error SAF of the Service and Error directives. The following table provides information about these new parameters.

Parameter	Description
status-code	(Optional) Specifies a status code to be set in the HTTP response. It differs from the code parameter in that code specifies which error code triggers execution of the send-error SAF, while status-code specifies a status code to be set in the response generated by the send-error SAF.
status-desc	(Optional) Specifies a reason string for the status code.

3.2.14 New Directives in the magnus.conf File

Table 3-3 lists directives added to the magnus.conf file. Note that these directives are not documented in "Syntax and Use of the magnus.conf File" in *Oracle iPlanet Web Proxy Server 4.0.14 Configuration File Reference*.

Table 3-3 magnus.conf *Directives*

Parameters	Valid Values	Description
ChannelPoolMonitorInterval	Any number of seconds	(Added in 4.0.14 release.) Specify how frequently (in seconds) Proxy Server checks the channel pool for stale or closed connections. This value is used when ChannelPoolValidate is set to true. The default value is 30.
ChannelPoolValidate	true, false	(Added in 4.0.14 release.) Cause Proxy Server to actively check the channel pool for stale or closed connections every ChannelPoolMonitorInterval seconds. The default value is false.
ChannelReuseValidate	true, false	(Added in 4.0.14 release.) Cause Proxy Server to validate channels in the channel pool before reusing them. The default value is false.
FtpPoolSize	1 to 65536	(Added in 4.0.12 release.) Specify the size of the FTP connection pool. The default value is 256.
FtpPoolLife	1 to 65536	(Added in 4.0.12 release.) Specify the life of the connection in seconds, that the FTP connection remain unused in the pool before the monitor thread closes it. The default value is 3600.
FtpPoolMonitorThread	OFF	(Added in 4.0.12 release.) Specify the boolean value to monitor the FTP thread functionality. The default is ON.

Table 3–3 (Cont.) magnus.conf Directives

Parameters	Valid Values	Description
FtpPoolMonitorLevel	0	(Added in 4.0.12 release.) Specify an integer value. If set to 0 the pool monitor thread checks whether the connection is inactive or active.
		If set to 1, the NOOP command is sent to the connection and awaits for the reply. Failure to get a response will cause the connection to be removed from the pool. The default level is 1.
FtpPoolMonitorInterval	30 to 65536	(Added in 4.0.12 release.) Specify an integer value in seconds, after which the pool connections are monitored. The default value is 30.
LDAPPoolMonitorThreshold	Takes a Boolean value.	(Added in 4.0.12 release.) If set to TRUE, an ldap pool monitor thread would be created, which monitors the ldap connection pool at regular intervals. The default value is FALSE.
LDAPPoolMonitorInterval	Takes an integer argument.	(Added in 4.0.12 release.) Specify the interval at which the ldap pool monitor thread inspects the ldap connection pool. The default value is 30.
LDAPPoolRevalidate	Takes a boolean value.	(Added in 4.0.12 release.) Revalidate the connection if set to TRUE for every connection that is picked off the connection pool; then pass on to the caller. The default value is FALSE.
RouteOfflineCheckInInterval	Takes an integer value.	(Added in 4.0.15 release.) Specify the interval, in seconds, at which Proxy Server checks performance of the gateways marked as offline by the routing subsystem. The default value is 30.

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)

Features and Enhancements in Previous Proxy Server 4.0 Releases

The features and enhancements in Oracle iPlanet Web Proxy Server 4.0 releases prior to 4.0.14 are described in the individual *Release Notes* documents specific to those releases, which are available at:

<http://download.oracle.com/docs/cd/E19438-01/>

This appendix lists the following important features and enhancements provided in Oracle iPlanet Web Proxy Server releases 4.0.14 and 4.0.15:

A.1 Features and Enhancements in 4.0.15

- Date and time parameters have been added to the `<Client>` tag to enable use of time intervals to limit execution of directives on requests received from specific clients. For more information, see [Section 3.2.8, "Date and Time Parameters of the <Client> Tag."](#)
- The `disable-javascript-rewrite` parameter has been added to the `um-define-junction` SAF to suppress JavaScript variable rewriting for specific JavaScript variables. For more information, see [Section 3.2.4, "New Parameters of the um-define-junction SAF."](#)
- The `<Include>` tag has been added to the `obj.conf` file syntax to support the inclusion of other files in `obj.conf`. For more information, see [Section 3.2.10, "<Include> Tag in the obj.conf File."](#)
- The `lookup-ipv6-first` parameter has been added to the `dns-config` SAF to control whether IPv6 or IPv4 addresses are looked up first. For more information, see [Section 3.2.11, "lookup-ipv6-first Parameter of the dns-config SAF."](#)
- The `status-code` and `status-desc` parameters have been added to the `send-error` SAF. For more information, see [Section 3.2.13, "status-code and status-desc Parameters of the send-error SAF."](#)
- The `RouteOfflineCheckInterval` directive has been added to the `magnus.conf` file to configure the frequency at which Proxy Server checks the health of gateways marked as offline. For more information, see [Section 3.2.14, "New Directives in the magnus.conf File."](#)
- The NSS version supported by iPlanet Web Proxy Server has been updated to 3.12.6, and the NSPR version has been updated to 4.8.4.
- The "Enter ACL List Cache Size" field has been added to the Admin GUI to support specification of this value interactively.

- The "Reset Status" button has been added to the Admin GUI Proxy-instance⇒ Server Status⇒Monitor Current Activity page to reset the monitored values without restarting Proxy Server.
- This release addresses the following documentation issues:

Issue ID	Description
6294290	Proxy 4: admin.conf has no documentation. See Section 3.2.7, "Information About the admin.conf File."
6962675	Proxy 4 doc RFE - need some descriptions for regexp-redirect function in WPS docs/manual. See Section 3.2.12, "regexp-redirect Function of the NameTrans Directive."
6965246	DOCS: WPS4.0.14 introduces new parameter to the http-client-config function. See Section 3.2.9, "forward-unread-request-body Parameter of the http-client-config SAF."

A.2 Features and Enhancements in Proxy Server 4.0.14

- The ChannelPoolValidate directive has been added to the magnus.conf file. It controls whether the channel pool is actively checked for stale or closed connections.
- The ChannelPoolMonitorInterval directive has been added to the magnus.conf file. It specifies how frequently the channel pool is to be checked for stale or closed connections.
- The ChannelReuseValidate directive has been added to the magnus.conf file. It controls whether persistent connections are validated before they are reused.
- The always-retry-stale-keep-alive parameter has been added to the http-client-config SAF. It controls whether the HTTP client retries a failed request even when the number of retries is set to zero, provided that the request failure was due to a stale persistent connection.

B

Issues Resolved in Previous Proxy Server 4.0 Releases

This chapter lists the most important issues fixed in previous Oracle iPlanet Web Proxy Server 4.0 releases:

- [Issues Resolved in 4.0.15](#)
- [Issues Resolved in 4.0.14](#)
- [Issues Resolved in 4.0.13](#)
- [Issues Resolved in 4.0.12](#)
- [Issues Resolved in 4.0.11](#)
- [Issues Resolved in 4.0.10](#)
- [Issues Resolved in 4.0.9](#)
- [Issues Resolved in 4.0.8](#)
- [Issues Resolved in 4.0.7](#)
- [Issues Resolved in 4.0.6](#)
- [Issues Resolved in 4.0.5](#)
- [Issues Resolved in 4.0.4](#)
- [Issues Resolved in 4.0.3](#)
- [Issues Resolved in 4.0.2](#)
- [Issues Resolved in 4.0.1](#)

B.1 Issues Resolved in 4.0.15

Table B-1 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.15.

Table B-1 Issues Resolved in iPlanet Web Proxy Server 4.0.15

Issue ID	Summary
6524998	Proxy 4.0 urldb utility fails when processing an invalid regular expression
6942431	Proxy 4.0: Consider adding time-related parameters to the <Client> tag
6945755	Proxy server cannot set the number of Acceptor Threads = number of CPUs as stated in docs
6946517	WPS4.0: OPTIONS method does not work in SSL

Table B-1 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.15

Issue ID	Summary
6946561	RFE: Proxy 4.0 - Ability to set ACLCacheMax through Admin GUI
6946565	RFE - need capability to reset Perf counters without server restart
6946566	RFE - Capability to manage obj.conf through separate include files, for example, managing URL list in another
6949070	Proxy 4.0: urldb: expired cache files are not removed
6951418	Proxy 4.0: Event scheduler: time "drift" causes events to be missed
6952442	Proxy 4.0 Admin cache program failure with <Client> tag in obj.conf
6955415	Proxy Server 4.0.13 - need rewrite-host parameter in virt-map function
6957135	WPS docs - new directives in magnus.conf need add to Configuration File Reference. Going forward, all updates to 4.0 documentation will be documented only in the release notes.
6957675	Proxy 4.0 Admin GUI warnings when users edit NameTrans fn="regexp-redirect" (regular expression URL redirections)
6957676	WPS4.0 Basic authentication does not work with regular mapping only
6960464	Proxy 4.0 - healthcheck in load-balancing likes to be configurable in timeout and frequency
6964554	Proxy 4.0 RFE - new lookup-ipv6-first to allow cu to select the order of DNS lookup
6965840	Query parameter of service SAFs do not work in forward proxy configurations
6965842	RFE: allow send-error to accept a "status" parameter
6965883	Version changes for 4.0.15
6966757	WPS 4.0.14: URL rewrite problem (um-output) with missing "/" slash
6968929	Integrate NSS 3.12.6
6970769	SOCKS log messages contain invalid session identification
6970776	Proxy 4.0: SOCKS server should print meaningful error log information
6972347	Proxy 4.0: proxy serves truncated responses from the cache
6974046	DTD file rename issue in Proxy Server 4.0.14 (SVR4 patch)
6974382	Proxy 4.0: "url mapping" should allow selective rewriting of javascript
6974692	SOCKS proxy host name resolution: Host name unresolved does not fail returning connection to port on client
6977431	proxy server number of Acceptor Threads in the admin GUI should be equal to the number of cups as stated in docs

B.2 Issues Resolved in 4.0.14

Table B-2 lists the issues resolved in Oracle iPlanet Web Proxy Server release 4.0.14.

Table B-2 Issues Resolved in iPlanet Web Proxy Server 4.0.14

Issue ID	Summary
6914759	The pool monitor thread's interval should be configurable.
6916393	Proxy 4.0 channel pool implementation: Need optional validation of pooled channels.

Table B-2 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.14

Issue ID	Summary
6917624	Proxy 4.0: httpclient should (optionally) always retry when a keep-alive connection is stale.
6917655	Proxy 4.0: (optionally) Validate a connection before reusing.
6920803	Document the new directive: ChannelPoolValidate added as part of the fix for 6916393.
6920804	Document the new directive: ChannelPoolMonitorInterval added as part of the fix for 6914759.
6920805	Document the new directive: ChannelReuseValidate added as part of the fix for 6917624.
6920806	Document the new parameter: always-retry-stale-keep-alive added as part of the fix for 6917655.
6920836	CR#6648470 is not listed in Readme of patch#120981-19.
6921169	There's no description about "retries" parameter of http-client-config in the manual.
6921170	The behavior with retries="0" is not described.
6921721	Proxy 4.0: Failure under load on linux.
6923914	SJSPS 4.0.13 server instance fails to start for T5240 niagara cert token "Sun Metaslot".
6931137	Proxy 4.0 rebranding: Installer: change default install location.
6931138	Proxy 4.0 rebranding: Change product name/version string.
6931139	Proxy 4.0 rebranding: Admin OLH: modify image and links.
6931140	Proxy 4.0 rebranding: Top frame of admin GUI screen needs changes to reflect oracle rebranding.
6931141	Proxy 4.0 rebranding: Admin: The copyright text in the "Version" popup window should be modified.
6931142	Proxy 4.0 rebranding: Product README file should be updated as part of oracle rebranding.
6931143	proxy 4.0 rebranding: Installer: change installer's left pane image.
6931988	proxy 4.0 rebranding: Installer should not display any license.
6931989	Proxy 4.0 rebranding: Support browsers IE8 and FF 3.5.
6931990	Proxy 4.0 rebranding: Product License file should be updated as part of oracle rebranding.
6931991	Proxy 4.0 rebranding: Installer: Product name should be changed.
6931994	Proxy 4.0 rebranding: Installer: change installer's/uninstaller's log file name.
6931996	Proxy 4.0 rebranding: Installer: copyright string should change in instance/admin scripts/config.
6931997	Proxy 4.0 rebranding: DTD file names should be changed.
6932000	Proxy 4.0 rebranding: Default value of "Proxy-agent" header should be changed.
6932002	Proxy 4.0 rebranding: Default authentication prompt in ACL templates should be changed.
6932476	Proxy 4.0 NTLM support: Server keeps wrong count of idle connections in connection pool.
6932483	Proxy 4.0 NTLM: Server should not cache responses passing through an authenticated connection.

Table B-2 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.14

Issue ID	Summary
6933138	Proxy 4.0 rebranding: Change copyright strings in external header files.
6933148	Proxy 4.0.13 Admin GUI default security Cryptographic Module should not set to NSS Generic Crypto Ser
6933175	WPS suffers from an input checking error which permits the reading of arbitrary files from local fs.
6933223	Version changes for 4.0.14.
6933599	Proxy 4.0: Issues with support of "Proxy-support:" header.
6933647	Proxy 4.0 rebranding: Admin OLH: Changes to reflect new product name.
6934367	Upgrade on Windows creates a "Oracle iPlanet Web Proxy Server" entry in add/remove programs.
6936445	Proxy 4.0.13 - 2 new CA root certificates cannot be displayed correctly from admin GUI.
6937256	Submit and revert button under ACL setting under admin GUI are not being displayed in firefox 3.6.
6937459	Proxy forwards POST headers without POST entity body.
6939617	Proxy 4.0 rebranding: installation: windows upgrade fails upon change of product name.
6939990	Proxy 4.0 rebranding: Admin GUI: Change images in the "Version" popup.
6940022	Proxy 4.0: Compiler version change: Move to Sun Studio 12.
6941325	Proxy 4.0 Docs: Cache capacity needs updating in Proxy Admin Guide.
6941493	Proxy 4.0 rebranding: Changes to package/rpm related files.
6941954	Proxy 4.0 rebranding: Admin server's realm string should not contain a "Web" prefix.
6941956	Proxy 4.0 rebranding: OLH: Modify/remove the "Document Information" page.
6944070	Proxy 4.0 rebranding: Admin GUI version window title needs to be changed.
6945311	Proxy 4.0: rebranding: Proxy Agent Header in the Admin GUI should show Oracle iplanet Proxy Server.
6945318	Proxy 4.0: urldb emits invalid warning/error message while expiring cache files.
6946167	Proxy 4.0 rebranding: Upgrade in windows should not create a new entry of start > programs >.
6955678	Problem with directory permissions.
6955684	Problem with file permissions.
6955723	Problem with JSESSIONID.
6955741	Problem with HTML pages.
6955759	Problem with admin console (param INSTANCE_NAME).
6955761	Problem with admin console (reflected XSS).
6955762	Problem with admin console (param absolute).
6955763	Problem with admin console (param mime).
6955764	Problem with admin console (param cmd).
6955765	Problem with admin console (param type).
6955766	Problem with admin console (adminReferrer).

Table B-2 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.14

Issue ID	Summary
6955769	Problem with admin console (resource).
6956084	Problem with admin console (target).
6956086	Problem with admin console (dscruser-lang).
6956143	Problem with admin console (clickjacking).

B.3 Issues Resolved in 4.0.13

Table B-3 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.13.

Table B-3 Issues Resolved in iPlanet Web Proxy Server 4.0.13

Issue ID	Summary
6886805	Proxy Server 4.0 appears to go into a high CPU consumption loop while processing POST requests for <code>ftp</code> URLs. This is accompanied by memory growth.
6896637	Proxy Server 4.0 goes into high CPU consumption and memory leak while processing <code>ftp HEAD</code> requests.
6896640	Proxy Server 4.0 fails during startup if <code>server.xml</code> does not contain GC-related configuration.
6900117	Integrate NSS 3.12.5 which contains fixes for the SSL/TLS vulnerabilities.
6905852	Proxy Server 4.0 fails due to a bug in caching subsystem.
6862976	Proxy Server 4.0's "map" SAF should allow mappings to specific files on a remote server.
6875375	Proxy Server 4.0 Admin GUI Cache View (cv) program fails.
6878190	Proxy Server 4.0.x supports Sun Fire T-Series Crypto Accelerator when installation user and instance user are the same, such as <code>root</code> .
6878699	Proxy Server 4.0.8 has <code>.htaccess</code> issues with <code>grpfile</code> if this user belongs to multiple groups.
6885145	"HTTP3287: connection limit (XXXX) exceeded, closing socket"
	Proxy Server 4.0 displays this error message every time when the requests exceed a <code>ConnectionQueue</code> size.
6888184	After upgrade, installer displays strangely worded message in Proxy Server 4.0.11.
6891353	Proxy Server 4.0.x does not recognize <code>\$</code> character.
6895030	The cache finish status can be missing/empty due to existing lock file under heavy load conditions.
6897536	Proxy 4.0 currently does not support the behavior promised by a "Proxy-support: Session-Based-Authentication".
6898929	Proxy 4.0.13 supports Microsoft Windows 2008 Enterprise Edition.
6900151	When a cached object is being refreshed after its size has changed at the remote server, and chunked encoding is used, the cache-finish status is absent in the server's access logs.
6901079	The <code>http client</code> can be enhanced to optionally run the Error stage for any error responses that it receives from a back end server.
6906258	Proxy Server 4.0 needs to support arbitrary LDAP search filter in <code>dbswitch.conf</code> .
6906789	Corrupted cache files can be formed in a Proxy 4.0 installation cache under load.

Table B-3 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.13

Issue ID	Summary
6910914	URL mapping does not work with send-error.

B.4 Issues Resolved in 4.0.12

[Table B-4](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.12.

Table B-4 Issues Resolved in iPlanet Web Proxy Server 4.0.12

Issue ID	Summary
6856153	Proxy 4.0 fails in the <code>ftp</code> subsystem under stress.
6856800	Mapping cache breaks under a high load environment on Proxy Server 4.0.8.
6869927	Integrates NSS 3.12.
6882485	Proxy Server 4.0 fails during startup with ICP enabled and <code>MaxProcs > 1</code> .
6851886	Adds a dedicated thread to monitor the <code>ldap</code> connection pool for validation.
6863071	Proxy Server 4.0 caching does not happen for large query strings (> 150 characters, approximately).
6864966	Feature request to strip the version number out of the service name (Proxy Server 4.0.11).
6864967	Notifies the user when upgrading the custom Proxy Server installation to check <code>javahome</code> .
6868580	Version changes for 4.0.12.
6872808	Proxy Server 4.0 should support Windows 2003 R2 SP2.
6874449	Proxy Server 4.0 build patch scripts need to be notified for new <code>buildpatch</code> location.
6876811	SSL tunnel does not log initial wait time and full wait time in <code>extended2</code> logging.
6882926	Proxy Server 4.0 ICP port not available on Solaris x86.
6883024	Proxy Server 4.0 byte range handling is broken.
6883480	Proxy Server 4.0 displays "Bad CIF entry" message while looking up a cache file.
6883492	Proxy Server 4.0 does not receive ICP messages by peers on x86.
6878213	<code>send-error</code> should choose error file path based on browser locale.

B.5 Issues Resolved in 4.0.11

[Table B-5](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.11.

Table B-5 Issues Resolved in iPlanet Web Proxy Server 4.0.11

Issue ID	Summary
6835885	The <code>ftp</code> subsystem of Proxy Server 4.0 has a bug that leads to memory corruption and server failure.
6837779	A memory leak is observed in Proxy Server 4.0 <code>ftp</code> subsystem while accessing directories through <code>ftp</code> .
6842576	The caching subsystem of Proxy Server 4.0 has a bug that leads to memory corruption and returns incomplete response headers when served from the cache.

Table B-5 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.11

Issue ID	Summary
6844188	Proxy Server 4.0 can fail due to memory corruption, while serving ftp requests from the cache.
6847078	The caching subsystem of Proxy 4.0 should identify and avoid processing of corrupt cache files to serve requests.
6847467	Configuring the Proxy Server 4.0 to use the pre-filter SAF causes server to fail.
6853447	Proxy server fails when the script associated with the pre-filter SAF contains an empty line at the beginning.
6827602	The statistics generation in Proxy Server 4.0 should show data for both "Client DNS cache" (host-to-ip) and "Host DNS cache" (ip-to-host).
6836430	The Expires header is not handled correctly in Proxy Server 4.0.9.
6837471	Proxy Server 4.0.9 fails to display Statistics page on Linux and throws a "500 Error".
6838323	Proxy Server 4.0 displays wrong "504 Gateway Timeout Error" when <NameTrans fn="set-variable" error="504">.
6838907	Windows Installer for Proxy Server 4.0 does not allow port values less than 1024 for the server instance, while allows for Administration Server.
6843724	Garbage collection in Proxy Server 4.0 may produce a race condition under heavy load.
6847488	A bug in the Proxy Server 4.0 administration interface makes it difficult to edit template assignments that contain '+' characters.
6847849	The server.xml file is not updated on modifying the cache "Working Directory" in Proxy 4.0 administration interface.
6848296	Authentication problems are observed in Proxy 4.0, while using ACLCacheMax parameter.
6849204	A potential memory corruption and server failure occurs in Proxy Server 4.0 due to a parray module issue.
6849650	Proxy Server fails during restarts when configured for MaxProcs > 1.
6853436	While updating the cache size through "Set Cache Specifics", server.xml does not get updated.
6808135	Proxy Server 4.0.9 has a typo issue while accessing "Server Config Information" panel in both Admin GUI and CLI.
6825292	Proxy Server 4.0 should allow Admin GUI to enable or disable both types of DNS cache; ip-dns-cache-init and host-dns-cache-init.
6840526	Proxy Server 4.0 has potential problems with parray code.
6841509	During Proxy installation, selecting "Startup on Boot = yes" results in an error.
6843134	Verbose logging mode of automatic GC is required.

B.6 Issues Resolved in 4.0.10

Table B-6 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.10.

Table B-6 Issues Resolved in iPlanet Web Proxy Server 4.0.10

Issue ID	Summary
6764910	Proxy Server 4.0 fails due to dynamic reconfiguration.
6783252	Proxy Server 4.0 should display cache finish status for responses marked as non-cacheable by the remote server.

Table B-6 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.10

Issue ID	Summary
6793247	Proxy Server should optionally ignore caching directives in HTTP request headers.
6559322	Proxy Server must support large web proxy cache size greater than 32 GB.
6773378	URL filtering must allow specifying relative URLs. This facilitates URL filtering to work along with load balancing.
6781954	The <code>passthru-cookies</code> parameter in the URL mapping feature, used to specify cookies, does not function properly in a few cases.
6785653	POST with proxy authentication fails with a 407 error if you have not authenticated before the POST.
6789769	The URL filter functionality does not consider CONNECT requests.
6791870	The Proxy Server's administration interface does not allow multiple reverse mappings to the same destination.
6798154	Certain <code>url</code> constructs, with a space and a single quotation, are not translated properly by the Proxy Emulator.
6804616	Proxy Server 4.0.10 supports the feature - Transparent Proxy Support for HTTP/1.1 requests.
6803379	The iPlanet Web Proxy Server 4.0.9 patch, 120983-16 and prior versions, provides support for RHEL 3.0, 4.0, and 5.0.
6796045	In the Proxy Server's administration interface, the DNS cache information in Monitoring functionality should be updated appropriately.
6754044	Upgrading Proxy Server on Windows fails, because only a single installation of Proxy Server 4.0 is allowed on Windows.
6781259	The Java version information on the Proxy Server installation wizard is not updated.
6820625	URL rewriting fails, when a <code>url</code> has a space after a quotation mark.
6820622	Proxy Server inserts a wrong <code>If-modified-since:</code> request header when <code>without-lastmod</code> is enabled.
6817164	<code>cbuild</code> should include appropriate help message for the <code>-R</code> option.
6816997	Proxy Server 4.0 has a problem in the map SAF's HTTP redirect functionality.
6812802	Proxy statistics are not displayed for DNS on HP-UX, after enabling the Activate Statistics/Profiling.
6805450	Web Proxy Emulator problem while using DHML application.

B.7 Issues Resolved in 4.0.9

Table B-7 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.9.

Table B-7 Issues Resolved in iPlanet Web Proxy Server 4.0.9

Issue ID	Summary
6712042	Proxy Server 4.0 encounters an instance hang in <code>cache_filter_remove</code> function.
6713723	In Proxy Server 4.0, the cache partition/section <code>.size</code> files do not always show accurate values.
6715885	Proxy Server 4.0 reported log error messages related to cache lock file problem.
6715891	In Proxy Server 4.0, templates meant for CONNECT requests do not function properly.

Table B-7 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.9

Issue ID	Summary
6721344	Proxy Server 4.0 should have the ability to rewrite client headers.
6722629	Proxy Server 4.0 leaks file descriptors in the <code>ftp</code> subsystem when configured in <code>PORT</code> mode.
6722646	Proxy Server 4.0 leaks file descriptors in the caching subsystem while handling partial HTTP responses.
6723344	In Proxy Server 4.0, the cache statistics collection logic performs a complete cache traversal during startup. This happens multiple times, contributing to a slow server startup.
6725741	Disabling statistics or profiling functionality in the Proxy Server 4.0 administration interface, does not function properly.
6727215	In Proxy Server 4.0, large negative values are seen for <code>xfer-time</code> in the access log.
6728447	In Proxy Server 4.0.7, digest authentication used to process an ACL fails when the URL contains a query string with backslashes.
6735228	In Proxy Server 4.0, the caching subsystem has a file descriptor leak under certain conditions.
6739585	Proxy Server 4.0 needs an alternative faster method to find out current cache size.
6740248	In Proxy Server 4.0.7, Admin GUI displays null for <code>Processes</code> and <code>Listen Queue Size</code> instead of default values.
6741262	Performance optimization is required for the Proxy Server 4.0 caching subsystem.
6745095	Proxy Server 4.0 should tolerate HTTP responses that contain embedded spaces in header names.
6745170	Proxy Server 4.0 should support on RHEL5.
6746138	Proxy Server 4.0 should have the capability to rewrite HTTP request bodies.
6747928	FTP requests going through Proxy Server 4.0 as URL <code>ftp://user:password@server</code> , where the password contains the @ character, generates an incorrect response.
6750791	Proxy Server 4.0.7 fails under load, due to a problem in the ACL subsystem.
6759153	Proxy Server 4.0.8 fails due to a problem in the URL mapping subsystem.
6762346	Improper handling of <code>cache-control</code> header in Proxy Server 4.0.
6768244	Improper functioning of channel pooling logic in Proxy Server 4.0, results in service unavailability and possible memory leak.
6275141	File cache functionality is not implemented in Proxy Server 4.0.
6767688	Proxy Server 4.0 should support the "only-if-cached" <code>cache-control</code> directive.
6767691	Proxy Server 4.0 should support the "stale-while-revalidate" <code>cache-control</code> extension.

B.8 Issues Resolved in 4.0.8

Table B-8 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.8.

Table B-8 Issues Resolved in iPlanet Web Proxy Server 4.0.8

Issue ID	Summary
6648112	Proxy Server 4.0.6 and 4.0.7 do not provide a way to disable EPSV FTP Transfer Mode.

Table B-8 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.8

Issue ID	Summary
6655221	Increase the maximum timeout for idle connections on the Proxy SOCKS Server 4.x.
6660265	flexanlg/dpstats log analyzer is unable to deal with large access log files.
6660814	In Proxy Server 4.0, the block/fwd IP character of the most specific object is not enforced correctly.
6664392	In Proxy Server 4.0, improper handling of vary header occurs.
6664646	In Proxy Server 4.0, improper handling of via header occurs.
6670738	In Proxy Server 4.0, there is a possible 'High CPU Utilization' problem in the FTP subsystem.
6688600	Proxy Server 4.0.7 Admin GUI adds am into the server.xml file when using Caching-Schedule Garbage Collection page.
6692494	In Proxy Server 4.0, the cache filter masks the client write failures even when a cache file is not opened.
6692495	Proxy Server 4.0 can fail during Garbage Collection/Cache iteration code.
6695257	Integrate URL mapping feature.
6707473	Heap-based buffer overflow exists in FTP Proxy Server.
6708838	Upgrade to JDK 1.5 in Proxy Server 4.0.
6708842	Telemetry feature for Proxy Server 4.0.
6711396	dpstats dumps core in customer log file.
6454382	Reverse Proxy Server should allow changing cookie domain value in set-cookie.

B.9 Issues Resolved in 4.0.7

[Table B-9](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.7.

Table B-9 Issues Resolved in iPlanet Web Proxy Server 4.0.7

Issue ID	Summary
6729343	Proxy Server 4.0.7 - Upgrading on Windows 2003 while the server is running fails. When upgrading on Windows from Proxy Server 4.0.6 to Proxy Server 4.0.7 without stopping the server, the process fails with errors. Stopping the server before attempting the upgrade will ensure the upgrade runs successfully.
6261401	URL filter files should be created under the config directory instead of the conf_bk directory.
6590476	FTP subsystem is not closing the old connections appropriately.
6591980	The ownership of the URL filter is not set to that of the server instance user.
6592079	Backup files are getting created with wrong ownership.
6594729	Receives an HTTP 7756 invalid response header, but serves the file to the client.
6595773	FTP in Proxy Server 4.0.5 shows incorrect directory list.
6596860	Proxy Server should return a correct response when a pooled FTP connection receives the reset packet.

Table B-9 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.7

Issue ID	Summary
6599212	Add a dedicated thread that monitors the FTP connection pool for inactive connections.
6600193	Proxy-Agent header does not work.
6602044	Incorrect FTP response while reloading the page multiple times.
6602049	Need to improve handling of FTP requests for internal objects like file and folder icons.
6604108	Incorrect response while dealing with invalid response headers.
6605322	Provide an in-process cleaning facility to clean cache entries fast.
6613934	Digest authentication prompts user to authenticate repeatedly.
6619592	httpacl and alias directories exist for the removed instance.
6620274	Proxy Server 4.0.6 is unable to create new cache working directory if parent directory does not exist.
6621398	Proxy Server 4.0.6 fails to work with FTP server when you try to forward map to a back end of FTP server.
6622805	Proxy Server 4.0 does not respond and gets timed out, while accessing certain FTP URLs.
6622813	Proxy Server 4.0: Starts very slow when the cache size is huge.
6628381	A proxy instance for which the cache is disabled cannot be removed cleanly.
6634127	Memory corruption causes server failure.
6635864	Manage Certificates screen on the administration interface is not displayed correctly.
6639455	Proxy Server does not respond on stop or restart.
6641201	The Proxy-Authenticate headers are not passed correctly to the end client in a forward proxy.
6648470	Proxy 4.0: Possible memory corruption while processing responses that contain "Vary:"

B.10 Issues Resolved in 4.0.6

Table B-10 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.6

Table B-10 Issues Resolved in iPlanet Web Proxy Server 4.0.6

Issue ID	Summary
6224535	Timeout functionality does not work.
6460215	Cannot connect to an IPv6-enabled web site when connecting through Proxy Server.
6478413	Uninstalling a Proxy Server instance does not result in the removal of the files corresponding to the instance from the alias and httpacl directories.
6494418	block-multipart-posts parameter does not block the request when content-type parameter is set.
6505578	sockd daemon can run out of worker threads when processing UDP associated requests.
6513846	Proxy Server 4.0.6 documents are updated to remove reference to HTTPS caching.

Table B-10 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.6

Issue ID	Summary
6514870	Removing a template through the Remove Template option does not remove all the assignments for that template.
6520593	A new section "Precedence of Regular Expressions Over Templates in Set Cache Configuration" is added to Chapter 16 in the <i>Proxy Server 4.0.6 Administration Guide</i> to explain why templates used within Set Configuration do not work but manually entered regular expressions do.
6526659	Incorrect server start command is displayed in the installer.
6529376	The default cache size for Proxy Server on Windows is 100 megabytes but the help page states that it is 1.6 gigabytes.
6530476	The path to the <code>libjvm.s1</code> file in the start script is not set correctly.
6534717	When <code>cache-status</code> is enabled in the access log, the access logs repeatedly show cache file as written and deleted for request headers that <i>have cache-control</i> set to <code>no-cache</code> .
6537346	Log entries show cache status as written even when cache file is not created.
6538613	<code>cachegc</code> dumps core if the Proxy Server instance's cache directory has been modified.
6541327	<code>cachegc</code> sometimes works incorrectly.
6545753	Error log shows a confusing error message when Proxy Server encounters an invalid request line.
6546256	On Windows, a regular expression is not registered correctly in the <code>obj.conf</code> file.
6546720	Cannot connect to certain sites when DNS cache is enabled.
6547808	On Windows, the <code>watchdog</code> process fails when the Proxy Server instance is stopped through the service manager.
6559837	Proxy server fails while handling an <code>ftp</code> request.
6560432	The <i>Proxy Server 4.0.6 Administration Guide</i> and the online help are updated to include a description for Source Port Number.
6562122	For an SSL Proxy Server instance, an incorrect password entry does not get written to the errors file.
6562165	<i>Proxy Server 4.0.6 Administration Guide</i> is updated to remove references to the file cache functionality.
6562585	<i>Proxy Server 4.0.6 Release Notes</i> is updated to provide the correct version number for NSPR.
6563262	During <code>ftp</code> access some error log messages are noticed that convey no information and can be confusing.
6564435	Details of the Cache Section Table on the administration interface are not displayed correctly.
6565004	<i>Proxy Server 4.0.6 Release Notes</i> is updated to provide correct link to the Proxy Server documentation page.
6565021	Internal log rotation rotates the files twice if the system time is changed between two scheduled rotations.
6565436	The section "Disabling the Forward Proxying feature in a Reverse Proxy Setup" under "Setting Up a Reverse Proxy" in Chapter 14 of the <i>Proxy Server 4.0.6 Administration Guide</i> is updated to add information about how to prevent a security vulnerability in a reverse proxy server configuration.
6566246	Cross-site scripting vulnerability in the View Error Log functionality.
6566309	Cross-site scripting vulnerability in the View URL Database functionality.

Table B-10 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.6

Issue ID	Summary
6566352	Cannot connect to an IPv6 FTP server through Proxy Server.
6566822	HTTP headers with a very long value can cause memory corruption in Proxy Server.
6566836	<code>flexanlg</code> dumps core.
6566889	After setting a value for Processes in the Configure System Preferences page, the value cannot be changed back to null.
6566924	Help page is updated to provide a clearer explanation for Processes in the Configure System Preferences page.
6568534	Reference to Proxy Server 3.6 documentation issue is removed from Proxy Server 4.0.6 <i>Release Notes</i> .
6569516	Proxy Server accepts and forwards responses whose header names contain spaces.
6572128	Localized online help is updated to provide the correct context-sensitive help page.
6572138	The access log does not include certain connection-related information.
6574401	Proxy Server supported browsers to be enhanced to include Internet Explorer (IE) v7.
6576044	Proxy Server 4.0.6 <i>Configuration File Reference</i> is updated to document the newly added SOCKS configuration parameter <code>SOCKS5_UDPASSOC_TIMEOUT</code> .
6576050	Proxy Server 4.0.6 online help is updated to specify the effect of the HTTP client's retry functionality.
6576065	Proxy Server 4.0.6 online help is updated to make it consistent with style guidelines and the Proxy Server's product user interface.
6577128	Proxy Server support to be extended for Sun Crypto Accelerator 6000.
6578024	LDAP connection failure errors.
6578560	In the message that Proxy Server displays after an upgrade to indicate how you can access the Administration Server, the server name and port name are indicated as <code>null (http://null:null)</code>
6579049	Proxy server creates an incorrect partition, which causes errors during startup.
6579781	An empty <code>host-regex</code> argument in the <code>virt-map</code> directive results in Proxy Server failure.
6581350	Proxy Server installation contains debug JDK binaries.
6584989	In the Version window, the label is not located in the center of the Close button when the browser is IE 7.
6594191	Localized online help has to be integrated to Proxy Server 4.0.6.

B.11 Issues Resolved in 4.0.5

[Table B-11](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.5

Table B-11 Issues Resolved in iPlanet Web Proxy Server 4.0.5

Issue ID	Summary
6240773	Deleting the listen socket and restarting the server does not clear the port.
6390867	On Windows, <code>cv.exe</code> fails when you try to view the information for a cached <code>csv</code> file.

Table B-11 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.5

Issue ID	Summary
6391439	Clearing the Enable DNS subdomains option in the administration interface does not remove the line <code>DNS fn="dns-config" local-domain-levels="0"</code> from the <code>obj.conf</code> file.
6413536	<code>webservd</code> must be used as the default user and not <code>nobody</code> .
6463455	<i>Proxy Server 4.0.5 Release Notes</i> is updated to state the version of Crypto Accelerator that supports Proxy Server.
6466910	<i>Proxy Server 4.0.5 Administration Guide</i> is updated to describe the procedure to set up Crypto Accelerator to work with Proxy Server.
6482102	Files cannot be retrieved from certain FTP sites through web browsers when connecting through Proxy Server.
6500200	Expired page is not displayed in the administration interface.
6500224	FTP through SOCKS routing does not work.
6500232	<i>Proxy Server 4.0.5 online help</i> is updated to mention Cache in the help page for the Monitoring Server Status page.
6500547	FTP through SOCKS routing occasionally results in file corruption.
6506550	Proxy server can fail due to null pointer access in caching subsystem.
6513846	<i>Proxy Server 4.0.5 Release Notes</i> is updated to state that Proxy Server does not support HTTPS caching.
6517969	Processing of <code>obj.conf</code> and ACL does not work as expected.
6520629	Configure Virtual Multihosting page in the administration interface does not allow user port number in <code>host-regex</code> .
6521610	When the Set Cache Specifics page in the administration interface is used to enable cache, it does not remove the <code>"cache-disable"</code> line in the <code>obj.conf</code> file.
6523139	Proxy Server debug build does not log all the information, such as disconnects.
6524253	Proxy Server watchdog core dump.
6524898	When the cache structure is created by <code>cbuild.exe</code> , the <code>.sects</code> file in the cache becomes empty after the instance starts.
6525294	The <code>flexanlg</code> utility dumps core if there are any syntax problems in the log file.
6526297	The Manage Section page in the Proxy Server administration interface lists all the sections of all the partitions, and offers a way to move sections from one partition to another. This feature does not work correctly.
6526354	When a new Partition is added, one section gets created.
6526964	SOCKS v5 server disconnects sessions unexpectedly.
6526990	The localized versions of Proxy Server 4.0.4 online help have a link that does not work properly.
6527840	Shutting down the SOCKS server using the administration interface results in a different message compared to the message that is displayed while starting.
6528069	Though the maximum cache partitions possible in Proxy Server is 32, there is a problem in creating 32 partitions in Proxy Server 4.0.3.
6529305	When using Virtual Multihosting, if you define the host in uppercase, it does not work.
6534208	The version string has to be changed for the 4.0.5 release.
6537410	Proxy Server sometimes waits to receive a new HTTP request until Proxy Server closes the connection.

Table B-11 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.5

Issue ID	Summary
6537736	Proxy Server has a domain buffer overflow vulnerability. The problem specifically exists in the handling of domain name address types within the <code>sockd</code> daemon.
6537745	Proxy Server has a domain buffer overflow vulnerability. The problem specifically exists in the <code>s5auth_userpass()</code> function within the <code>sockd</code> daemon.
6538060	The <code>startsvr</code> and <code>stopsvr</code> scripts of the Administration Server refer to <code>proxy-admserv404</code> instead of <code>proxy-admserv405</code> .
6538173	On HP-UX, the Administration Server displays an error page when you try to add a listen socket to a proxy instance.
6539318	On Linux, the utility <code>cbuild</code> does not work.
6539689	On Linux, if the group ID 80 already exists, Proxy Server installation does not work and the installation failure does not result in proper installation log.
6544263	Localized versions of the Proxy Server 4.0.5 online help must be updated with the changes made to the English version of the online help.
6545267	Proxy Server 4.0.5 <i>Configuration File Reference</i> is updated with information about log parameters.

B.12 Issues Resolved in 4.0.4

Table B-12 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.4

Table B-12 Issues Resolved in iPlanet Web Proxy Server 4.0.4

Issue 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 URLs.
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 Proxy Server.
5093104	The Proxy Server administration interface allows trailing white space for an HTTP header in client IP forwarding.
6208895	An FTP request through 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 multibyte 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 because the port would be in use.

Table B-12 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.4

Issue ID	Summary
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 <code>libnsspr4.dll</code> is not present in the <code>system32</code> directory.
6274424	On Windows, the value for <code>defaultInstallDirectory</code> in the state file is wrong. The default installation directory in the installer is <code>c:\sun\ProxyServer40</code> , but the state file generated when you use the command <code>setup --savestate</code> does not have <code>c:\sun\ProxyServer40</code> 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 <code>ksh</code> is not installed on the system.
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 <i>Configuration File Reference</i> is updated with information for the <code>flex-init</code> parameter <code>no-format-str.access</code> .
6331035	Load balancing feature works only for regular expressions.
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 Java ES 5 results in some errors on Linux.
6371618	Cannot 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 <code>Req->vars.pauth-user</code> in the 3.6 <code>obj.conf</code> should be changed to <code>Req->vars.auth-user</code> .
6383320	Cannot remove cache file when contents file name has space or Japanese characters.
6383435	<code>sockd</code> process uses high memory on Linux .
6387166	View Server Settings page in the Proxy Server administration interface does not display the <code>MaxProcs</code> value.
6388818	The SOCKS server requires the Directory Service ID to be the default.
6390034	<code>libnsspr4.dll</code> should be referred to first on the directory <code><install-dir>\bin\proxy\bin</code> instead of the directory <code>system32</code> .
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 <code>http-client-config</code> does not take the setting from the most specific object.

Table B-12 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.4

Issue ID	Summary
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.
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 <i>Configuration File Reference</i> , in Chapter 5, the reference to the type parameter is removed in the section on Service derivative.
6441601	In the Proxy Server 4.0.4 <i>Administration Guide</i> , 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 <i>Administration Guide</i> , in Chapter 5, the section Using SSL to Communicate with LDAP has been updated with information about importing LDAP root CA certificates to Proxy Server.
6442071	In the Proxy Server 4.0.4 <i>Administration Guide</i> , in Chapter 5, a new section is added to clarify about securing access to the Administration Server.
6442090	In the Proxy Server 4.0.4 <i>Installation and Migration Guide</i> , information has been added to clarify that: <ul style="list-style-type: none"> - Proxy Server can be installed as a non root user - 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.

Table B-12 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.4

Issue ID	Summary
6443160	On HP-UX, zlib library needs to be packaged with the product for Java ES 5.
6443720	Log analyzer can have issues when the access log file has no log information.
6443731	On Windows 2000 SP4, the system requires restart after configuration in the Java ES 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 the View URL Database page.
6446349	On HP-UX, stress test results in mmap() failure.
6446933	In the Proxy Server 4.0.4 <i>Configuration File Reference</i> , 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 <i>Configuration File Reference</i> .
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 Java ES 4 and Java ES 5.
6459839	Migrating Proxy Server 3.6 to 4.0.3 with the cache disabled results in an 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 exist 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 the Windows platform.
6465608	On Windows, the shortcut for Stop Admin Server is not created for the Administration Server when 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.
6473677	On Java ES 4 system, Proxy Server does not start after applying the patch 120981-08/120982-08.

Table B-12 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.4

Issue ID	Summary
6478407	In the Proxy Server 4.0.4 <i>Administration Guide</i> , in Chapter 7, the section Starting SSL-Enabled Servers is modified to remove the suggestion for start script modification.
6480637	Proxy Server fails every hour.
6484781	After enabling disturbed administration, even unauthentic users can log in to the Administration Server.
6485988	In the Proxy Server 4.0.4 <i>Configuration File Reference</i> , 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 U.S. 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 <i>Configuration File Reference</i> , 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 <i>Administration Guide</i> , the section on Virtual Multihosting is updated to add a note to indicate that the reverse mapping should be specified before the other mappings.

B.13 Issues Resolved in 4.0.3

[Table B-13](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.3

Table B-13 Issues Resolved in iPlanet Web Proxy Server 4.0.3

Issue ID	Summary
6191615	Certain regular expressions when used as URL filters cause Proxy Server to fail while starting.
6213012	The 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 <i>Administration Guide</i> , 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".
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.

Table B-13 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.3

Issue ID	Summary
6285076	SOCKS server cannot handle both the LDAP and 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 Java ES 4 is resolved in this release, but existing instances created in Java ES 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 a standalone installation of 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 that includes a backslash (\) 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 <i>Administration Guide</i> , 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 does not 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 Server 3.6 to 4.0.
6300480	The setting of Cache tab is not migrated successfully during a migration from Proxy Server 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 Server 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	The "Do Not Log Client Accesses From" option creates an invalid configuration.
6311548	Proxy Server 4.0 uses pauth-user instead of auth-user for Access Log.
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 <i>Administration Guide</i> , in Chapter 12, the section "To configure the file cache" provides the 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 <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 4.0.2 <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.
6325537	Not able to change RqThrottle value through the administration interface.

Table B-13 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.3

Issue ID	Summary
6325616	Scheduled (explicit) Garbage Collection does not clear cache.
6328678	Cannot set ICP timeout value to less than 400 milliseconds through the administration interface.
6334854	Inconsistency between documentation for Proxy Server and sun-web-proxy-server_4_0.dtd.
6337102	Proxy Server fails 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 Server 4.0.1 FTP Client fails to process symbolic links correctly.
6350957	In the Proxy Server 4.0.2 <i>Administration Guide</i> , 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 the Automatic Start option is selected in the 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.
6371084	Requesting SSL site does not work in chained proxy environment when using IP address of the Web Server.
6371618	Cannot change Compression Level to NONE.
6371731	No "connect://.*:563" in the default resource.
6371793	pkginfo displays \$distro for SUNWproxy-110n.
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 fails during run after restart if the cache is already warmed.
6381419	The value in the 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 the default format.
6387772	Changes in online help, due to bugs (6325537, 6303619) fixed, need to be localized.
6387901	In the Proxy Server 4.0.2 <i>Administration Guide</i> , in Chapter 11, the section "Chaining Proxy Servers" is not clear.
6388156	The headers of cached files can get corrupted.

Table B-13 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.3

Issue ID	Summary
6390237	Proxy Server passes incorrect content-length if the response contains double content-length headers.
6392875	regexp-map does not work for connection.
6393573	Proxy Server 4.0.2 fails when DNS fn="dns-config" local-domain-levels="1"
6394287	SOCKS process polls too often, which leads to socks 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.
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 fails while processing a request containing an empty cache-control header.

B.14 Issues Resolved in 4.0.2

Table B-14 lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.2

Table B-14 Issues Resolved in iPlanet Web Proxy Server 4.0.2

Issue 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 failure.
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, cannot 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 is not localized.
6312723	Cannot access SSL sites with IP address while using Proxy Server 4.0.
6313981	In Proxy Server 4.0, 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 Server process in Solaris 10 during stress run.
6333995	Memory leak while running stress tests for CONNECT.

Table B-14 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.2

Issue ID	Summary
6335919	Proxy Server 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 installation.

B.15 Issues Resolved in 4.0.1

[Table B-15](#) lists the issues resolved in Oracle iPlanet Web Proxy Server 4.0.1.

Table B-15 Issues Resolved in iPlanet Web Proxy Server 4.0.1

Issue 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 Proxy Server.
6231283	The Administration Server on Linux Red Hat Advanced Server 3.0, fails to start.
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 multibyte characters in the pages related to SOCKS needs 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 <code>localhost</code> while accessing Proxy Server.
6253014	Failure occurs in the <code>init-proxy</code> SAF when there are more than nine <code>NameTrans</code> directives in the <code>obj.conf</code> file on Linux Red Hat Advanced Server 3.0.
6254508	The batch update command exits with a 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> failure.
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 is 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.

Table B-15 (Cont.) Issues Resolved in iPlanet Web Proxy Server 4.0.1

Issue ID	Summary
6285779	Unable to start the Proxy Server instance if the <code>serverID</code> has a white space.
6285788	SOCKS server failure when authentication is used.
6289242	HTTP smuggling in Proxy Server 4.0.
6293449	Proxy Server 4.0 does not close the connection immediately with the <code>CONNECT</code> method.
6295622	The function <code>ConnAddress</code> is not realized or documented in Proxy Server 4.0.
6296169	The header <code>Cache-last-checked</code> is broken in Proxy Server 4.0 installed on other locales.
6296225	The Proxy Server instance may intermittently fail 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.