

Oracle® OpenSSO

Policy Agent 3.0 Release Notes

Release 3.0

E23266-09

April 2016

The release notes contain information about version 3.0
Oracle OpenSSO policy agents, including patch releases.

Oracle OpenSSO Policy Agent 3.0 Release Notes, Release 3.0

E23266-09

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Preface

The *Oracle OpenSSO Policy Agent 3.0 Release Notes* provide information about Oracle OpenSSO version 3.0 policy agents. This Preface includes:

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)
- [Additional Information and Resources](#)

Audience

This document is intended for administrators and developers who are deploying Oracle OpenSSO version 3.0 policy agents, including patch releases.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documents

For more information, see the documents in the following product library:

<http://docs.oracle.com/cd/E19681-01/index.html>

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.

Additional Information and Resources

You can find additional useful information and resources at the following locations:

- Oracle Advanced Customer Services:
<http://www.oracle.com/us/support/systems/advanced-customer-services/index.html>
- Oracle Systems Support:
<http://www.oracle.com/us/support/systems/index.html>
- Oracle Technology Network:
<http://www.oracle.com/technetwork/index.html>
- Sun Software Product Map:
<http://www.oracle.com/us/sun/sun-products-map-075562.html>

Oracle allows you to:

- Discuss technical problems and solutions on the Discussion Forums:
<http://forums.oracle.com/>
- Get hands-on step-by-step tutorials at the Oracle Learning Library:
<http://www.oracle.com/technetwork/tutorials/index.html>
- Download sample code and scripts at Sample Code for Developers and Admins:
<http://www.oracle.com/technetwork/indexes/samplecode/index.html>

What's New in the Oracle OpenSSO Policy Agent 3.0 Release Notes

This chapter provides an overview of the changes to the Oracle OpenSSO Policy Agent 3.0 software and documentation.

- [Software Updates](#)
- [Documentation-Specific Updates](#)

Note: Oracle OpenSSO version 3.0 policy agents were previously documented in the *Sun OpenSSO Enterprise 8.0 Release Notes* in the following product library:

<http://docs.oracle.com/cd/E19681-01/index.html>

The *Oracle OpenSSO Policy Agent 3.0 Release Notes* includes both information about earlier Policy Agent 3.0 releases and information about new patch releases.

Software Updates

Software updates include:

- Revision 9 (E23266-09) documents the Oracle OpenSSO Policy Agent 3.0-07 release for web agents. See [Section 1.2, "Policy Agent 3.0-07 Release for Web Agents"](#).
- Revision 8 (E23266-08) documents the Oracle OpenSSO Policy Agent 3.0-06 release for web agents. See [Section 1.3, "Policy Agent 3.0-06 Release for Web Agents"](#).
- Revision 7 (E23266-07) documents support for the version 3.0-04 web agent for Oracle iPlanet Web Proxy Server 4.0.x. See [Section 1.5, "Policy Agent 3.0-04 Release for Web Agents"](#).
- Revision 6 (E23266-06) documented the Oracle OpenSSO Policy Agent 3.0-05 release for web agents. See [Section 1.4, "Policy Agent 3.0-05 Release for Web Agents"](#).
- Revision 5 (E23266-05) documented the Oracle OpenSSO Policy Agent 3.0-04 release for web agents. See [Section 1.5, "Policy Agent 3.0-04 Release for Web Agents"](#).
- Revision 4 (E23266-04) documented support for IBM WebSphere Application Server Version 8.0.0.5. See [Section 1.8.2.1, "Support for IBM WebSphere Application Server Version 8.0.0.5"](#).

- Revision 3 (E23266-03) documented the Oracle OpenSSO Policy Agent 3.0-02 release for Java EE agents. See [Section 1.8, "Policy Agent 3.0-02 Release for Java EE Agents."](#)
- Revision 1 (E23266-01) documented the Oracle OpenSSO Policy Agent 3.0-03 release for web agents. See [Section 1.6, "Policy Agent 3.0-03 Release for Web Agents."](#)

Documentation-Specific Updates

Documentation updates include:

- Revision 5 (E23266-05) updates [Section 1.11, "Documentation Errata."](#)
- Revision 3 (E23266-03) updated the [Additional Information and Resources](#) in the Preface.
- Revision 2 (E23266-02) included the following updates:
 - [Section 1.11, "Documentation Errata"](#) describes changes, updates, and corrections to existing Oracle OpenSSO Policy Agent 3.0 documentation.
 - The new *Oracle OpenSSO Policy Agent 3.0 Guide for IBM Lotus Domino 8.5.2* is available in the OpenSSO Enterprise 8.0 documentation library:
<http://docs.oracle.com/cd/E19681-01/index.html>.

Oracle OpenSSO Policy Agent 3.0 Release Notes

The *Oracle OpenSSO Policy Agent 3.0 Release Notes* contain the following information about both Java EE (formerly called J2EE) agents and web agents:

- [Section 1.1, "About Version 3.0 Policy Agents"](#)
- [Section 1.2, "Policy Agent 3.0-07 Release for Web Agents"](#)
- [Section 1.3, "Policy Agent 3.0-06 Release for Web Agents"](#)
- [Section 1.4, "Policy Agent 3.0-05 Release for Web Agents"](#)
- [Section 1.5, "Policy Agent 3.0-04 Release for Web Agents"](#)
- [Section 1.6, "Policy Agent 3.0-03 Release for Web Agents"](#)
- [Section 1.7, "Policy Agent 3.0-02 Release for Web Agents"](#)
- [Section 1.8, "Policy Agent 3.0-02 Release for Java EE Agents"](#)
- [Section 1.9, "Policy Agent 3.0-01 Release for Java EE and Web Agents"](#)
- [Section 1.10, "Installation of Version 3.0-0x Policy Agents in Patch Releases"](#)
- [Section 1.11, "Documentation Errata"](#)

1.1 About Version 3.0 Policy Agents

Version 3.0 Policy Agents are closely integrated with Oracle OpenSSO 8.0 server. For more information, see the following guides:

- [Sun OpenSSO Enterprise Policy Agent 3.0 User's Guide for J2EE Agents](#)
- [Sun OpenSSO Enterprise Policy Agent 3.0 User's Guide for Web Agents](#)
- Individual Policy Agent 3.0 guides

The documentation for version 3.0 Policy Agents and Oracle OpenSSO 8.0 server is available in the following library:

<http://docs.oracle.com/cd/E19681-01/index.html>

1.2 Policy Agent 3.0-07 Release for Web Agents

This section includes the following information:

- [Section 1.2.1, "Web Agents in the Policy Agent 3.0-07 Release"](#)

- [Section 1.2.2, "Enhancements and Changes for Web Agents in the Policy Agent 3.0-07 Release"](#)

1.2.1 Web Agents in the Policy Agent 3.0-07 Release

The version 3.0-07 web agents shown in [Table 1-1](#) are available on My Oracle Support.

To download a version 3.0.0.7 policy agent patch:

1. Sign in (or register if you are a new user) on the My Oracle Support site:
<https://support.oracle.com/>
2. Click **Patches & Updates**.
3. Under **Patch Search**, click **Product or Family (Advanced)**.
4. For the search criteria, select:
 - Product: **Oracle OpenSSO**
 - Release: **Oracle OpenSSO Policy Agent 3.0**
 - Description: **contains 3.0.07**
5. Check **Exclude superseded patches**.
6. Click **Search**.
7. On the **Patch Advanced Search Results**, scroll down until you find the patch you want by using criteria such as the agent name, platform, and the 32-bit or 64-bit version.

If your search results are on multiple pages, you might need to check the additional pages until you find the patch you want.
8. Under **Patch Name**, click the link to initiate the download.

Note: In the Policy Agent 3.0-07 release, patches are identified by name or number rather than a patch ID.

Table 1-1 Patch Numbers and Platforms for Web Agents in the Policy Agent 3.0-07 Release

Version 3.0-07 Policy Agent For	Platform	Patch Name or Number
Apache 2.2 Agent	Oracle Solaris 10 SPARC, 64-bit	22665680
Web Server 7.0	Oracle Solaris 10 SPARC 64 bit	22665643
IIS 7.x	Windows 2008 64 bit	22665590
Domino Server 8.5	AIX 6.1 - 32 bit	22665727
Domino Server 8.5	Windows 2008 64 bit	22665727

1.2.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-07 Release

This release includes the following enhancements and changes:

1.2.2.1 NSS libraries are upgraded to version 3.21

The NSS libraries for web agents in the Policy Agent 3.0-07 release are upgraded to version 3.21.

1.3 Policy Agent 3.0-06 Release for Web Agents

This section includes the following information:

- [Section 1.3.1, "Web Agents in the Policy Agent 3.0-06 Release"](#)
- [Section 1.3.2, "Enhancements and Changes for Web Agents in the Policy Agent 3.0-06 Release"](#)
- [Section 1.3.3, "Problems Fixed for Web Agents in the Policy Agent 3.0-06 Release"](#)

1.3.1 Web Agents in the Policy Agent 3.0-06 Release

The version 3.0-06 web agents shown in [Table 1–2](#) are available on My Oracle Support.

To download a version 3.0.0.6 policy agent patch:

1. Sign in (or register if you are a new user) on the My Oracle Support site:
<https://support.oracle.com/>
2. Click **Patches & Updates**.
3. Under **Patch Search**, click **Product or Family (Advanced)**.
4. For the search criteria, select:
 - Product: **Oracle OpenSSO**
 - Release: **Oracle OpenSSO Policy Agent 3.0**
 - Description: **contains 3.0.06**
5. Check **Exclude superseded patches**.
6. Click **Search**.
7. On the **Patch Advanced Search Results**, scroll down until you find the patch you want by using criteria such as the agent name, platform, and the 32-bit or 64-bit version.

If your search results are on multiple pages, you might need to check the additional pages until you find the patch you want.
8. Under **Patch Name**, click the link to initiate the download.

Note: In the Policy Agent 3.0-06 release, patches are identified by name or number rather than a patch ID.

Table 1–2 Patch Numbers and Platforms for Web Agents in the Policy Agent 3.0-06 Release

Version 3.0-06 Policy Agent For	Platform	Patch Name or Number
Apache HTTP Server 2.2.x	Oracle Solaris 10 SPARC, 64-bit	21073037
Microsoft Internet Information Services (IIS) 7.x	Microsoft Windows 2008, 64-bit	21073097
Oracle iPlanet Web Server 7.x (formerly Sun Java System Web Server 7.x)	Oracle Solaris 10 SPARC, 64-bit	21073067
IBM Domino Server 8.5.2	Microsoft Windows 2008, 64-bit IBM AIX 6.1, 32-bit	21073122

1.3.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-06 Release

This release includes the following enhancements and changes:

1.3.2.1 NSS libraries are upgraded to version 3.17.4

The NSS libraries for web agents in the Policy Agent 3.0-06 release are upgraded to version 3.17.4.

1.3.3 Problems Fixed for Web Agents in the Policy Agent 3.0-06 Release

Table 1–3 describes the bugs fixed in this release.

Table 1–3 Problems Fixed for Web Agents in the Policy Agent 3.0-06 Release

Bug Number	Description
20597364	NSS libraries are upgraded to version 3.17.4
19244710	Version 3.0-03 Apache 2.2 agent doesn't refresh stale policies and returns error 403
16175478	Domino Server crashes when profile, session fetch.mode=HTTP_COOKIE & response fetch.mode=HTTP_HEADER
19361696	Domino Server crashes when profile fetch.mode=HTTP_HEADER & session fetch.mode=HTTP_COOKIE
20251403	For version 3.0-05 Web Server 7.x agent, delay occurs before redirecting to second level of authentication when POST data preservation is used with composite advice
18401874	Version 3.0-04 agent for Domino 8.5.2 on Windows 2003 64-bit returns "Error while iterating over the header values: buffer too small" in amAgent debug file
19874737	IIS agents should not require Host header as per HTTP/1.0 specification
14096674	For version 3.0-03 Web Proxy Server agent, delay occurs before redirecting to second level of authentication when POST data preservation is used with composite advice
18600536	Fix for bug 18600526

1.4 Policy Agent 3.0-05 Release for Web Agents

This section includes the following information:

- [Section 1.4.1, "Web Agents in the Policy Agent 3.0-05 Release"](#)
- [Section 1.4.2, "Enhancements and Changes for Web Agents in the Policy Agent 3.0-05 Release"](#)
- [Section 1.4.3, "Problems Fixed for Web Agents in the Policy Agent 3.0-05 Release"](#)
- [Section 1.4.4, "Known Issues for Web Agents in the Policy Agent 3.0-05 Release"](#)

1.4.1 Web Agents in the Policy Agent 3.0-05 Release

The version 3.0-05 web agents shown in Table 1–4 are available on My Oracle Support.

To download a version 3.0.0.5 policy agent patch:

1. Sign in (or register if you are a new user) on the My Oracle Support site:
<https://support.oracle.com/>
2. Click **Patches & Updates**.

3. Under **Patch Search**, click **Product or Family (Advanced)**.
4. For the search criteria, select:
 - Product: **Oracle OpenSSO**
 - Release: **Oracle OpenSSO Policy Agent 3.0**
 - Description: **contains 3.0.0.5**
5. Check **Exclude superseded patches**.
6. Click **Search**.
7. On the **Patch Advanced Search Results**, scroll down until you find the patch you want by using criteria such as the agent name, platform, and the 32-bit or 64-bit version.

If your search results are on multiple pages, you might need to check the additional pages until you find the patch you want.
8. Under **Patch Name**, click the link to initiate the download.

Table 1–4 Patch IDs and Platforms for Web Agents in the Policy Agent 3.0-05 Release

Version 3.0-05 Policy Agent For	Platform	Patch ID
Apache HTTP Server 2.2.x	Red Hat Enterprise Linux (RHEL) 4, 32-bit and 64-bit Microsoft Windows 2003, 32-bit Oracle Solaris 10 SPARC, 64-bit	144699-05
Microsoft Internet Information Services (IIS) 6.x	Microsoft Windows 2003, 32-bit and 64-bit	144700-05
Microsoft Internet Information Services (IIS) 7.x	Microsoft Windows 2008, 32-bit and 64-bit	144701-05
Oracle iPlanet Web Server 7.x (formerly Sun Java System Web Server 7.x)	Oracle Solaris 10 SPARC, 32-bit and 64-bit Oracle Solaris 10 x86, 64-bit Red Hat Enterprise Linux (RHEL) 4, 64-bit Microsoft Windows 2003, 32 bit	144703-05
IBM Domino Server 8.5.2	Microsoft Windows 2003, 64-bit Microsoft Windows 2008, 64-bit IBM AIX 6.1	149027-03

1.4.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-05 Release

This release includes the following enhancements and changes:

- [Section 1.4.2.1, "NSS libraries are upgraded to version 3.16"](#)
- [Section 1.4.2.2, "New supported platforms are added for web agents"](#)

1.4.2.1 NSS libraries are upgraded to version 3.16

The NSS libraries for web agents in the Policy Agent 3.0-05 release are upgraded to version 3.16.

Note: When running the version 3.0-05 Domino Server web agent in SSL mode with the version 3.16 NSS libraries, the following message is displayed on the Domino Server console:

```
SSLDisableExportCiphers> Server key (1024 bits) too strong for
EXPORT ciphers. Disabling cipher RSA_EXPORT_WITH_RC4_40_MD5
```

This message is for information only, and no action is required. The explanation for this message is:

This is to make SSL more standards compliant. Disabling weak ciphers is the right thing to do when the server key is strong. Using export-grade ciphers with an RSA server key stronger than 512-bits is explicitly prohibited in the SSL v3 and TLS specifications.

1.4.2.2 New supported platforms are added for web agents

The following new supported platforms are added in the Policy Agent 3.0-05 release:

- Apache HTTP Server 2.2.x agent:
 - Oracle Solaris 10 SPARC, 64-bit
 - Red Hat Enterprise Linux (RHEL) 4, 64-bit
- Oracle iPlanet Web Server 7.x (formerly Sun Java System Web Server 7.x) agent:
 - Oracle Solaris 10 SPARC, 32-bit

For a list of all supported platforms, see [Table 1–4, "Patch IDs and Platforms for Web Agents in the Policy Agent 3.0-05 Release"](#).

1.4.3 Problems Fixed for Web Agents in the Policy Agent 3.0-05 Release

[Table 1–5](#) describes the bugs fixed in this release.

Table 1–5 Problems Fixed for Web Agents in the Policy Agent 3.0-05 Release

Bug Number	Description
18385564	IIS 7.0 agent install for one website affects other websites in multi-site setup
18508682	IIS 7.0 agent uninstall in a multi-site environment uninstalls all other agents
18276350	NSS libraries are upgraded to version 3.16 See Section 1.4.2, "Enhancements and Changes for Web Agents in the Policy Agent 3.0-05 Release."

1.4.4 Known Issues for Web Agents in the Policy Agent 3.0-05 Release

[Table 1–6](#) describes the known issues in this release.

Table 1–6 Known Issues for Web Agents in the Policy Agent 3.0-05 Release

Bug Number	Description
19243036	The Apache 2.2 web agent version information shows twice in the amAgent debug file.
19360542	In a multi-site environment, the IIS 7.0 agent is not getting installed on some of the sites.

Table 1–6 (Cont.) Known Issues for Web Agents in the Policy Agent 3.0-05 Release

Bug Number	Description
19361209	Access Denied (error 403) occurs for the Apache 2.2 agent when the cache object goes stale.
19361696	Domino Server crashes for the 64-bit Domino agent on 64-bit Windows 2008 systems when the agent profiles are set as follows: <ul style="list-style-type: none"> ▪ profile fetch.mode=HTTP_HEADER & session fetch.mode=HTTP_COOKIE or ▪ profile,session fetch.mode=HTTP_COOKIE & response fetch.mode=HTTP_HEADER or ▪ profile,response fetch.mode=HTTP_COOKIE & session fetch.mode=HTTP_HEADER

1.5 Policy Agent 3.0-04 Release for Web Agents

This section includes the following information:

- [Section 1.5.1, "Web Agents in the Policy Agent 3.0-04 Release"](#)
- [Section 1.5.2, "Enhancements and Changes for Web Agents in the Policy Agent 3.0-04 Release"](#)
- [Section 1.5.3, "Problems Fixed for Web Agents in the Policy Agent 3.0-04 Release"](#)

1.5.1 Web Agents in the Policy Agent 3.0-04 Release

The version 3.0-04 web agents shown in [Table 1–7](#) are available on My Oracle Support:

<https://support.oracle.com/>

To download a version 3.0.0.4 policy agent patch:

1. Sign in (or register if you are a new user) on the My Oracle Support site: <https://support.oracle.com/>
2. Click **Patches & Updates**.
3. Under **Patch Search**, click **Product or Family (Advanced)**.
4. For the search criteria, select:
 - Product: **Oracle OpenSSO**
 - Release: **Oracle OpenSSO Policy Agent 3.0**
 - Description: **contains 3.0.0.4**
5. Check **Exclude superseded patches**.
6. Click **Search**.
7. On the **Patch Advanced Search Results**, scroll down until you find the patch you want by using criteria such as the agent name, platform, and the 32-bit or 64-bit version.

If your search results are on multiple pages, you might need to check the additional pages until you find the patch you want.

8. Under **Patch Name**, click the link to initiate the download.

Table 1–7 Patch IDs and Platforms for Web Agents in the Policy Agent 3.0-04 Release

Version 3.0-04 Policy Agent For	Platform	Patch ID
Apache HTTP Server 2.2.x	Red Hat Enterprise Linux (RHEL) 4, 32-bit Microsoft Windows 2003, 32-bit	144699-04
Microsoft Internet Information Services (IIS) 6.0	Microsoft Windows 2003, 32-bit and 64-bit	144700-04
Microsoft Internet Information Services (IIS) 7.x	Microsoft Windows 2008, 32-bit and 64-bit	144701-04
Oracle iPlanet Web Proxy Server 4.0.x (formerly Sun Java System Web Proxy Server 4.0.x)	Red Hat Enterprise Linux (RHEL) 4 and 5, 32-bit	144702-04
Oracle iPlanet Web Server 7.x (formerly Sun Java System Web Server 7.x)	Oracle Solaris 10 SPARC, 64-bit Oracle Solaris 10 x86, 64-bit Red Hat Enterprise Linux (RHEL) 4, 64-bit Microsoft Windows 2003, 32 bit	144703-04
IBM Domino Server 8.5.2	Microsoft Windows 2003, 64-bit Microsoft Windows 2008, 64-bit IBM AIX 6.1	149027-02

1.5.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-04 Release

This release includes the following enhancements and changes:

- [Section 1.5.2.1, "NSS libraries are upgraded to version 3.14.3"](#)
- [Section 1.5.2.2, "MD5 hash algorithm is disabled by default"](#)

1.5.2.1 NSS libraries are upgraded to version 3.14.3

The NSS libraries for web agents in the Policy Agent 3.0-04 release are upgraded to version 3.14.3.

1.5.2.2 MD5 hash algorithm is disabled by default

In Network Security Services (NSS) 3.14.3, support for certificate signatures using the MD5 hash algorithm is disabled by default. Since web agents in the Policy Agent 3.0-04 release are upgraded with NSS 3.14.3 libraries, certificate signatures that use the MD5 hash algorithm will be rejected.

1.5.3 Problems Fixed for Web Agents in the Policy Agent 3.0-04 Release

[Table 1–8](#) describes the bugs fixed in this release.

Table 1–8 Problems Fixed for Web Agents in the Policy Agent 3.0-04 Release

Bug Number	Description
14288146	Web Proxy Server with agent 3.0-01 crashes in getAllPolicyDecisions after Solaris 10 upgrade from u9 to u10
14198837	Child thread activation delay occurs in agent 3.0-02 for Apache HTTP Server 2.0.x
13822510	Agent 3.0-02 for IIS 7.5 causes AJAX page rendering issues
14760459	Agent 3.0-03 for Web Server 7.0 cannot failover if the primary OpenSSO virtual IP (VIP) is down

Table 1–8 (Cont.) Problems Fixed for Web Agents in the Policy Agent 3.0-04 Release

Bug Number	Description
15851499	Looping occurs for agent 3.0-03 for Web Server 7.0 when a global virtual IP (VIP) is used for two OpenSSO sites
14708567	Agent 3.0-02 for Web Server 7.0 runs out of memory
16341680	Agent 3.0-03 for Domino Server crashes when installed on Domino Server 8.5.3
16785852	Agent 3.0-03 for Domino Server 8.5.2 fails to load DSAPI module if Domino is configured for multiple instances
16813888	Web Policy agent 3.0-03 throws HTTP 500 error
16889248	Domino Server crashes after installing agent 3.0-03 for Domino Server and restarting OpenSSO server
16212212	Fixes bug 16212212

1.6 Policy Agent 3.0-03 Release for Web Agents

This section includes the following information:

- [Web Agents in the Policy Agent 3.0-03 Release](#)
- [Enhancements and Changes for Web Agents in the Policy Agent 3.0-03 Release](#)
- [Problems Fixed for Web Agents in the Policy Agent 3.0-03 Release](#)

For installation information, see [Installation of Version 3.0-0x Policy Agents in Patch Releases](#).

1.6.1 Web Agents in the Policy Agent 3.0-03 Release

The version 3.0-03 web agents shown in [Table 1–9](#) are available on My Oracle Support:

<https://support.oracle.com/>

Table 1–9 Patch IDs for Web Agents in the Policy Agent 3.0-03 Release

Version 3.0-03 Policy Agent For	Patch ID
Apache HTTP Server 2.0.x	144698-03
Apache HTTP Server 2.2.x	144699-03
Microsoft Internet Information Services (IIS) 6.0	144700-03
Microsoft Internet Information Services (IIS) 7.x	144701-03
Sun Java System Web Proxy Server 4.0.x	144702-03
Sun Java System Web Server 7.0	144703-03
IBM Domino Server 8.5.2	149027-01

1.6.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-03 Release

This release includes the following enhancements and changes:

- [POST data preservation support added for Web Proxy Server agent](#)
- [Web agent is now supported for Domino Server 8.5.2](#)
- [Support for SUSE Linux 10.3 and SUSE Linux 11.1 64-bit is added for Web Proxy Server and Web Server agents](#)

- [Support for Windows 2008 64-bit is added for the Apache 2.2.x agent](#)
- [New property is added to support cache control in IIS 7.x Agent](#)

1.6.2.1 POST data preservation support added for Web Proxy Server agent

The version 3.0-03 agent for Web Proxy Server 4.0.x now supports POST data preservation. Users can preserve POST data, which is submitted to Web Proxy Server through HTML forms before the users log in to Oracle OpenSSO server.

1.6.2.2 Web agent is now supported for Domino Server 8.5.2

The Policy Agent 3.0-03 release includes a new web agent for Domino Server 8.5.2. This agent is supported on the following platforms:

- Oracle Solaris 10 SPARC 32-bit platform
- Microsoft Windows 2003 and Windows 2008, both 32-bit and 64-bit platforms
- IBM AIX version 6.1
- Red Hat Enterprise Linux (RHEL) 5.5, 32-bit agent on 32-bit Domino Server running on both 32-bit and 64-bit RHEL 5.5

1.6.2.3 Support for SUSE Linux 10.3 and SUSE Linux 11.1 64-bit is added for Web Proxy Server and Web Server agents

The web agent for Web Proxy Server 4.0.x is now certified on SUSE Linux 10 SP3 64-bit and SUSE Linux 11.1 64-bit for the 32-bit agent on 32-bit Web Proxy Server.

The web agent for Web Server 7.0 is now certified on SUSE Linux 10 SP3 64-bit and SUSE Linux 11.1 64-bit platforms.

1.6.2.4 Support for Windows 2008 64-bit is added for the Apache 2.2.x agent

The web agent for Apache Server 2.2.x is now certified on the Windows 2008, 64-bit platform for the 32-bit agent on a 32-bit Apache server.

1.6.2.5 New property is added to support cache control in IIS 7.x Agent

The Policy Agent 3.0-03 release includes the following new property to enable or disable the cache control in the IIS 7.x agent:

```
com.sun.identity.agents.config.iis7.cache.control.enabled
```

Values of this property can be:

- true - Store and cache static files in the browser.
- false (default)- Do not store and cache static files in the browser.

Set this property depending on the location of the agent's configuration repository.

If the repository is local to the agent's host server, add the property to the agent's `OpenSSOAgentConfiguration.properties` file.

If the agent's configuration repository is centralized, use the OpenSSO Administration Console as follows:

1. Log in to the OpenSSO Administration Console.
2. Select Access Control, Realm, Agents, and then Advanced.
3. Under Custom Properties, add the new property with its corresponding value. For example:

```
com.sun.identity.agents.config.iis7.cache.control.enabled=true
```

4. Click Save.

This new property is hot-swappable, so you do not need to restart the agent's deployment container for the new value to take effect.

1.6.3 Problems Fixed for Web Agents in the Policy Agent 3.0-03 Release

Table 1–10 describes the bugs fixed in this release.

Table 1–10 Problems Fixed for Web Agents in the Policy Agent 3.0-03 Release

Bug Number	Description
13693563	POST data preservation support required for Web Proxy Server 4.0.x
13703330	Policy agent for Web Proxy Server 4.0.x posts form submitted as get when session times out
13577537	Policy agent for Web Proxy Server 4.0.x support added for SUSE Linux 11 (32-bit)
13577526	Policy agent for Web Proxy Server 4.0.x support added for SUSE Linux 11 (64-bit)
13449568	Secure cookie for Apache 2.2.X agent is not working with CD SSO enabled
13419852	Certification on SUSE Linux 10.x added for Web Proxy Server 4.0.x agent
13329057	Certification on SUSE Linux 10.x added for Web Proxy Server 4.0.x and Web Server 7.0 agents
13079971	Cache control support added for IIS 7.x agent
12545649	Apache 2.0 agent on Windows, installation crypt error
12305636	Web Proxy Server 4.0.x does not render logout URL correctly

1.7 Policy Agent 3.0-02 Release for Web Agents

The Policy Agent 3.0-02 release currently includes web agents only. This section describes:

- [Web Agents in the Policy Agent 3.0-02 Release](#)
- [Enhancements and Changes for Web Agents in the Policy Agent 3.0-02 Release](#)
- [Problems Fixed for Web Agents in the Policy Agent 3.0-02 Release](#)

1.7.1 Web Agents in the Policy Agent 3.0-02 Release

The following version 3.0-02 web agents are available on <https://support.oracle.com/>.

Table 1–11 Patch IDs for Web Agents in the Policy Agent 3.0-02 Release

Version 3.0-02 Policy Agent For	Patch ID
Apache HTTP Server 2.0.x	144698-02
Apache HTTP Server 2.2.x	144699-02
Microsoft Internet Information Services (IIS) 6.0	144700-02
Microsoft Internet Information Services (IIS) 7.0 and 7.5	144701-02
Sun Java System Web Proxy Server 4.0.x	144702-02

Table 1–11 (Cont.) Patch IDs for Web Agents in the Policy Agent 3.0-02 Release

Version 3.0-02 Policy Agent For	Patch ID
Sun Java System Web Server 7.0	144703-02

1.7.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-02 Release

- [CR 6967818: Basic authentication support added for IIS 6.x and IIS 7.x agents](#)
- [CR 6923788: POST data preservation support added for IIS 7.x agent](#)
- [CR 6921240: Policy Clock Skew value required for "Stale resource is not removed" fix](#)

1.7.2.1 CR 6967818: Basic authentication support added for IIS 6.x and IIS 7.x agents

In the Policy Agent 3.0-02 release, basic authentication support is implemented for both the IIS 6.x and IIS 7.x agents. With basic authentication, the agent populates the authorization header so that the browser doesn't prompt users for the username and password. This section describes:

- [Configuring OpenSSO Server for Basic Authentication](#)
- [Configuring an IIS 6.x Agent for Basic Authentication](#)
- [Configuring an IIS 7.x Agent for Basic Authentication](#)

1.7.2.1.1 Configuring OpenSSO Server for Basic Authentication

Perform the steps in this section for both the IIS 6.x and IIS 7.x agents.

To configure OpenSSO server, follow these steps:

1. Configure the `ReplayPasswd` class as a post-authorization plug-in:
 - a. Log in to the OpenSSO Administration console.
 - b. Click Access Control, *realm-name*, and then Authentication.
 - c. Under General, click Advanced Properties.
 - d. Scroll down to the Authentication Post Processing Classes field.
 - e. In New Value, enter `com.sun.identity.authentication.spi.ReplayPasswd` and then click Add.
 - f. Click Save.

2. Generate and set the shared key:

- a. Run the following command to generate a shared key:

```
java -classpath amserver.jar com.sun.identity.common.DESGenKey
```

An example of the output is: "Key ==> a+CYxFITqD4="

Note. The location of the `amserver.jar` file depends on the web container you are using for OpenSSO server.

- b. Log in to the OpenSSO Administration console.
- c. Click Configuration, Servers and Sites, and then the Server Name link.
- d. Click Advanced and then add the `com.sun.am.replaypasswd.key` property with the key you generated in Step a.

- e. Click Save and log out of the console.
3. Restart the OpenSSO server.

1.7.2.1.2 Configuring an IIS 6.x Agent for Basic Authentication

Before you begin, you must install the version 3.0-02 IIS 6.x agent and define the same user and password pairs on the Windows machine as in OpenSSO server.

To configure an IIS 6.x agent, follow these steps:

1. In the IIS 6.x manager, open the properties window of the website where the agent is installed.
2. In the Directory Security tab, edit the Authentication and Access Control.
3. Select Basic Authentication. All the other check boxes should be unchecked.
4. In the properties window of the web server, select the ISAPI Filters tab.
5. Add the Agent Auth Filter. The executable name is `PolicyAgent-base\bin\amiis6auth.dll`.

For example: `C:\Agents\web_agents\iis6_agent\bin\amiis6auth.dll`

6. Set the agent properties depending on the agent configuration.

If you are using centralized agent configuration, set the following properties in the OpenSSO Administration console:

- a. Click Access Control, *realm-name*, Agents, Web, and then the name of the IIS 6.x agent.
- b. Click Advanced and then under Microsoft IIS Server, enter the following values:
 - Authentication Type: Basic
 - Replay Password Key: Key you generated in [Configuring OpenSSO Server for Basic Authentication](#).
- c. Click Save.

If you are using local agent configuration, set the following properties in the `OpenSSOAgentConfiguration.properties` file:

- `com.sun.identity.agents.config.iis.auth.type = Basic`
- `com.sun.identity.agents.config.replaypasswd.key = Key you generated in Configuring OpenSSO Server for Basic Authentication`

7. Restart the IIS 6.x server

1.7.2.1.3 Configuring an IIS 7.x Agent for Basic Authentication

Before you begin, you must install the version 3.0-02 IIS 7.x agent and define the same user and password pairs on the Windows machine as in OpenSSO server.

To configure an IIS 7.x agent, follow these steps:

1. In the IIS 7.x manager, select the website in the left panel and open the Authentication page.
2. Enable the Basic Authentication. All the other authentications should be disabled.
3. Set the agent properties depending on the agent configuration.

If you are using centralized agent configuration, set the following properties in the OpenSSO Administration console:

- a. Click Access Control, *realm-name*, Agents, Web, and then the name of the IIS 7.x agent.
- b. Click Advanced and then under Microsoft IIS Server, enter the following values:
 - Authentication Type: Basic
 - Replay Password Key: Key you generated in [Configuring OpenSSO Server for Basic Authentication](#).
- c. Click Save.

If you are using local agent configuration, set the following properties in the `OpenSSOAgentConfiguration.properties` file:

- `com.sun.identity.agents.config.iis.auth.type = Basic`
- `com.sun.identity.agents.config.replaypasswd.key = Key you generated in Configuring OpenSSO Server for Basic Authentication`

4. Restart the IIS 7.x server.

1.7.2.2 CR 6923788: POST data preservation support added for IIS 7.x agent

The version 3.0-02 agent for IIS 7.x now supports POST data preservation. Users can preserve POST data, which is submitted to IIS 7.x through HTML forms before the users log in to OpenSSO server.

1.7.2.3 CR 6921240: Policy Clock Skew value required for "Stale resource is not removed" fix

The Policy Agent 3.0-02 release fixes CR 6921240 (stale resource is not removed). However, for all web agents, you must also set the Policy Clock Skew (`com.sun.identity.agents.config.policy.clock.skew` agent property) to a value greater than zero.

1. Set the Policy Clock Skew value depending on the agent configuration.

If you are using centralized agent configuration, set the property in the OpenSSO server Administration console:

- a. Click Access Control, *realm-name*, Agents, Web, and then the name of the IIS agent.
- b. Click OpenSSO Services and then enter a value greater than zero in the Policy Clock Skew field.
- c. Click Save.

If you are using local agent configuration, set the property in the `OpenSSOAgentConfiguration.properties` file. For example:

```
com.sun.identity.agents.config.policy.clock.skew=2
```

2. Restart the agent's web container.

1.7.3 Problems Fixed for Web Agents in the Policy Agent 3.0-02 Release

Table 1–12 Problems Fixed for Web Agents in the Policy Agent 3.0-02 Release

CR Number	Description
6967818	Basic authentication support added for IIS 6.x and IIS 7.x agents
6932276	Possible "Memory Access violation" in agent code, causing the IIS 6.0 agent to hang
6923788	Support is added for POST data preservation in IIS 7.x agent
6967332	POST data preservation is not working in CDSSO mode for IIS 7 agent
6965534	Policy decision is not getting enforced if time on the agent and server machines are not synchronized
6921240	Stale resource is not removed for web agents
6978660	Remote logging messages are empty in the remote log file on OpenSSO server
6971977	Agent redirection issues occur for policies with max session timeout condition
6977659	IIS agent gets SAML assertion and returns the protected resource but without a 302 redirect
6977675	Resetting cookie to avoid double assertion post is not present or handled
6827797	HTTP header corruption occurs when profile attribute map has long URL (title, dn, and uid)
6972364	"Invalid Home Directory for Apache Server" error occurs during migration from Apache 2.2 agent
6804139	Web agent causes web server to hang if agent's log rotation fails

1.8 Policy Agent 3.0-02 Release for Java EE Agents

The Policy Agent 3.0-02 release now includes Java EE agents. This section describes:

- [Section 1.8.1, "Java EE Agents in the Policy Agent 3.0-02 Release"](#)
- [Section 1.8.2, "Enhancements and Changes for Java EE Agents in the Policy Agent 3.0-02 Release"](#)
- [Section 1.8.3, "Problems Fixed for Java EE Agents in the Policy Agent 3.0-02 Release"](#)

See also:

- [Section 1.10, "Installation of Version 3.0-0x Policy Agents in Patch Releases"](#)
- [Section 1.7, "Policy Agent 3.0-02 Release for Web Agents"](#)

1.8.1 Java EE Agents in the Policy Agent 3.0-02 Release

The following version 3.0-02 Java EE agents are available on My Oracle Support:

<https://support.oracle.com/>

Table 1–13 Patch IDs for Java EE Agents in the Policy Agent 3.0-02 Release

Version 3.0-02 Policy Agent For	Patch ID
Oracle WebLogic Server 11g Release 1 (10.3.3, 10.3.4, and 10.3.6)	145385-02
Oracle WebLogic Server 10g Release 3 (10.3)	
BEA WebLogic Server 9.2 and 10.0	
BEA WebLogic Portal 9.2, 10.0, and 10.2	
Sun GlassFish 2.1, V2 UR1, V2 UR2, and v3	145383-02
Sun Java System Application Server 8.1, 8.2, 9.0, and 9.1	
Apache Tomcat 6.0.x	145384-02
JBoss Application Server 4.x and 5.x	145382-02
IBM WebSphere Application Server 6.1 and 7.0	145386-02
IBM WebSphere Portal Server 6.1	

1.8.2 Enhancements and Changes for Java EE Agents in the Policy Agent 3.0-02 Release

This section describes the following enhancements and changes:

- [Support for IBM WebSphere Application Server Version 8.0.0.5](#)
- [Bundled Oracle OpenSSO Client SDK](#)

1.8.2.1 Support for IBM WebSphere Application Server Version 8.0.0.5

The version 3.0-02 IBM WebSphere Application Server agent (patch ID 145386-02) is supported on WebSphere Application Server Version 8.0.0.5, with these requirements:

- 64-bit JVM/JDK on either the Red Hat Enterprise Linux 5.8 or Oracle Enterprise Linux 5.8 platform
- Oracle OpenSSO 8.0 Update 2 Patch 5 (patch ID 141655-09)

For more information, see the *Oracle OpenSSO 8.0 Update 2 Release Notes*.

1.8.2.2 Bundled Oracle OpenSSO Client SDK

The version 3.0-02 Java EE agents bundle the latest Oracle OpenSSO Client SDK (`openssclientsdk.jar`), which is the same Client SDK version included with Oracle OpenSSO 8.0 Update 2 Patch 5.

1.8.3 Problems Fixed for Java EE Agents in the Policy Agent 3.0-02 Release

Table 1–14 Problems Fixed for Java EE Agents in the Policy Agent 3.0-02 Release

Bug ID	Description
13396442	Composite advice is not working on WebLogic Server 10.3.4 Policy Agent 3.0-01 in CDSSO mode
12565502	J2EE Policy Agent 3.x blocks web container startup if Oracle OpenSSO server is down
13478808	J2EE Policy Agent 3.0 getDateHeader method returns exceptions on WebLogic Server 9.2
14500703	J2EE policy agents need to include the latest Oracle OpenSSO client SDK

1.9 Policy Agent 3.0-01 Release for Java EE and Web Agents

The Policy Agent 3.0-01 release includes both Java EE agents and web agents:

- [Java EE Agents in the Policy Agent 3.0-01 Release](#)
- [Web Agents in the Policy Agent 3.0-01 Release](#)

1.9.1 Java EE Agents in the Policy Agent 3.0-01 Release

- [Patch IDs for Java EE Agents in the Policy Agent 3.0-01 Release](#)
- [Enhancements and Changes for Java EE Agents in the Policy Agent 3.0-01 Release](#)
- [Issues and Workarounds for Java EE Agents in the Policy Agent 3.0-01 Release](#)
- [Problems Fixed for Java EE Agents in the Policy Agent 3.0-01 Release](#)

1.9.1.1 Patch IDs for Java EE Agents in the Policy Agent 3.0-01 Release

The following version 3.0-01 Java EE agents are available on <https://support.oracle.com/>.

Table 1–15 Patch IDs for Java EE Agents in the Policy Agent 3.0-01 Release

Version 3.0-01 Policy Agent For	Patch ID
Oracle WebLogic Server 11g Release 1 (10.3.3)	145385-01
Oracle WebLogic Server 10g Release 3 (10.3)	
Oracle WebLogic Server 9.2 and 10.0	
Oracle WebLogic Portal 9.2, 10.0, and 10.2	
Sun GlassFish 2.1, V2 UR1, V2 UR2, and v3	145383-01
Sun Java System Application Server 8.1, 8.2, 9.0, and 9.1	
Apache Tomcat 6.0.x	145384-01
JBoss Application Server 4.x and 5.x	145382-01
IBM WebSphere Application Server 6.1 and 7.0	145386-01
IBM WebSphere Portal Server 6.1	

1.9.1.2 Enhancements and Changes for Java EE Agents in the Policy Agent 3.0-01 Release

- [Support is added for GlassFish v3](#)
- [Issue 5633: New property is added to reset session idle time for not-enforced URLs](#)
- [Issue 6107: JBoss Application Server agent supports custom principal feature](#)
- [Issue 6108: JBoss Application Server agent redirects to the client's requested URI](#)

Note: Version 3.0 and later Java EE agents require JDK 1.5 or later on the server where you plan to install the agent. Although some web containers such as JBoss Application Server 4.x and Application Server 8.x can run using JDK 1.4, JDK 1.5 or later is required for both the agent web container and the agentadmin program.

1.9.1.2.1 Support is added for GlassFish v3

The version 3.0-01 Java EE agent for Sun Java System Application Server and GlassFish v2 also supports GlassFish v3. See also [Patch IDs for Java EE Agents in the Policy Agent 3.0-01 Release](#).

1.9.1.2.2 Issue 5633: New property is added to reset session idle time for not-enforced URLs

Version 3.0-01 Java EE agents include the following new property to specify whether the session idle timeout should be reset after a user with a valid session accesses a URL in the not-enforced list:

```
com.sun.identity.agents.config.notenforced.refresh.session.idletime
```

Values for this property can be:

- `true`: The session idle time is reset after a user with a valid session accesses a URL in the not-enforced list.
- `false` (default): The session idle time is not reset.

Set this property depending on the location of the agent's configuration repository. If the repository is local to the agent's host server, add the property to the agent's `OpenSSOAgentConfiguration.properties` file and restart the OpenSSO server instance.

If the agent's configuration repository is centralized, use the OpenSSO Administration Console as follows:

1. Log in to the OpenSSO Administration Console.
2. Click Access Control, *realm-name*, Agents, J2EE, *j2ee-agent-name*, and then Advanced.
3. Under Custom Properties, add the new property with its corresponding value.
4. Click Save.

1.9.1.2.3 Issue 6107: JBoss Application Server agent supports custom principal feature

JBoss Application Server 4.x and 5.x login modules support the custom principal feature, which allows users to specify a custom principal in the JBoss AS configuration. The version 3.0-01 agent for JBoss AS 4.x and 5.x also supports the custom principal feature.

To use this feature, add the following line to the `<login-module>` element in the `JBOSS_HOME/server/default/conf/am-login-config.xml` file:

```
<module-option name = "principalClass">com.sample.CustomPrincipal</module-option>
```

For example, the `<login-module>` element should then be as follows:

```
<login-module code = "com.sun.identity.agents.jboss.v40.AmJBossLoginModule"
              flag = "required">
  <module-option name = "unauthenticatedIdentity">anonymous</module-option>
  <module-option name =
"principalClass">com.sample.CustomPrincipal</module-option>
</login-module>
```

In this example, `com.sample.CustomPrincipal` is the custom principal implementation class name. This class must be in the JBoss AS classpath.

1.9.1.2.4 Issue 6108: JBoss Application Server agent redirects to the client's requested URI

If the requested URI is using `J2EE_POLICY` or `ALL` filter mode and a user accesses a resource protected with J2EE policies by the version 3.0-01 JBoss AS 4.x and 5.x agent,

the user is redirected to the client's requested resource after authentication by OpenSSO 8.0 server. Previously, the user was redirected to the client's home page.

1.9.1.3 Issues and Workarounds for Java EE Agents in the Policy Agent 3.0-01 Release

- [CR 6976312: Install fails for WebSphere Application Server agent using IBM JDK on all systems except AIX](#)
- [CR 6976304: WebSphere Application Server administrative console cannot be accessed](#)
- [CR 6976308: WebSphere Application Server administrative console redirects to an incorrect URL in CDSSO mode](#)

1.9.1.3.1 CR 6976312: Install fails for WebSphere Application Server agent using IBM JDK on all systems except AIX

If you run the `agentadmin` or `agentadmin.bat` script to install the version 3.0-01 policy agent for IBM WebSphere Application Server 6.1/7.0 or IBM WebSphere Portal Server 6.1 using the IBM JDK on systems other than IBM AIX, the installation fails because the script cannot find the IBM JCE provider.

Workaround: Add following JAVA options to the `agentadmin` or `agentadmin.bat` script and then rerun the installation:

```
AGENT_OPTS="-DamKeyGenDescriptor.provider=IBMJCE
-DamCryptoDescriptor.provider=IBMJCE
-DamRandomGenProvider=IBMJCE"
```

1.9.1.3.2 CR 6976304: WebSphere Application Server administrative console cannot be accessed

After you install the version 3.0-01 policy agent for WebSphere Application Server 6.1/7.0 or IBM WebSphere Portal Server 6.1, you cannot access the WebSphere administrative console.

Workaround. In the WebSphere Application Server agent profile, add the WebSphere administrative console URL in the Agent Root URL for CDSSO list, as follows:

1. Log in to the OpenSSO Administration Console.
2. Click Access Control, *realm-name*, Agents, J2EE, and then the *j2ee-agent-name*.
3. In Agent Root URL for CDSSO, add the WebSphere administrative console URL.
4. Click Save.

1.9.1.3.3 CR 6976308: WebSphere Application Server administrative console redirects to an incorrect URL in CDSSO mode

After you install the version 3.0-01 policy agent for WebSphere Application Server 6.1/7.0 or IBM WebSphere Portal Server 6.1 in cross-domain single sign-on (CDSSO) mode and try to access the administrative console, you are redirected to an incorrect `agentapp` URL. The URL port is pointing to the admin port instead of the `agentapp` instance port.

Workaround. In the URL in the browser address bar, manually specify the correct port number for the `agentapp` instance.

1.9.1.4 Problems Fixed for Java EE Agents in the Policy Agent 3.0-01 Release

Table 1–16 Problems Fixed for Java EE Agents in the Policy Agent 3.0-01 Release

CR or Issue	Description
6121	401 error is returned instead of a 302 error when the client presents an invalid SSO Token
4461	Security context exception occurred with JBoss AS agent
6107	Custom principal in JBoss AS 4.3 is not working with J2EE agent
6108	J2EE Agent 3.0 for JBoss AS does not redirect to client request
4969	Tomcat agent J2EE tests are denied when debug level set to error mode
2779	J2EE agents should have the agentadmin script executable permission set by default
5008	GlassFish v3 server fails to start with invalid format error
5012	Tomcat 6.0 version 3.0 agent returns error with not-enforced IP list
5764	agentadmin script does not set up classpath correctly on GlassFish V3
4677	Tomcat 6.0 agent membership removal causes HTTP 403 access denied error
5197	Application logout does not clean up sessions
5744	Issue with URL pattern matching for port number in J2EE agents
4959	HTTPS session binding should be enabled by default in agent profile
5024	When not-enforced IP is used, accessing application of declarative security returns configuration error
5071	J2EE agent with CDSSO, cookie hijacking, and composite advice has second login issue
5633	J2EE agent does not reset session idle time for not-enforced URLs
5627	IP Resource condition fails if login URL in agent profile has resource=true included
6933534	Tomcat 6.0 version 3.0 agent classes are not added to classpath resulting in Tomcat startup failure

1.9.2 Web Agents in the Policy Agent 3.0-01 Release

- [Patch IDs for Web Agents in the Policy Agent 3.0-01 Release](#)
- [Enhancements and Changes for Web Agents in the Policy Agent 3.0-01 Release](#)
- [Problems Fixed for Web Agents in the Policy Agent 3.0-01 Release](#)

1.9.2.1 Patch IDs for Web Agents in the Policy Agent 3.0-01 Release

The following version 3.0-01 web agents are available on <https://support.oracle.com/>.

Table 1–17 Patch IDs for Web Agents in the Policy Agent 3.0-01 Release

Version 3.0-01 Policy Agent For	Patch ID
Apache HTTP Server 2.0.x	144698-01
Apache HTTP Server 2.2.x	144699-01

Table 1–17 (Cont.) Patch IDs for Web Agents in the Policy Agent 3.0-01 Release

Version 3.0-01 Policy Agent For	Patch ID
Microsoft Internet Information Services (IIS) 6.0 Supported on Microsoft Windows Server 2003, with separate agents for 32-bit and 64-bit systems.	144700-01
Microsoft Internet Information Services (IIS) 7.0 and 7.5 Supported on Microsoft Windows Server 2008 R2, with separate agents for 32-bit and 64-bit systems.	144701-01
Sun Java System Web Proxy Server 4.0.x	144702-01
Sun Java System Web Server 7.0	144703-01

1.9.2.2 Enhancements and Changes for Web Agents in the Policy Agent 3.0-01 Release

- [CR 6891373: New Properties Support POST Data Preservation With Sticky Sessions](#)
- [CR 6903850: Wildcard \(*\) Support Added for Not-Enforced Client IP List](#)
- [CR 6947499: NSS_STRICT_NOFORK Must be Disabled for Version 3.0-01 Apache Agents](#)

For more information about web agent properties, see the *Oracle OpenSSO Policy Agent 3.0 User's Guide for Web Agents*.

1.9.2.2.1 CR 6891373: New Properties Support POST Data Preservation With Sticky Sessions

In the 3.0-01 release, new properties support POST data preservation with sticky sessions configured. If you are using POST data preservation with a load balancer deployed in front of the agent, set the following properties for sticky sessions:

- `com.sun.am.policy.agents.config.postdata.preserve.stickysession.mode` specifies the sticky session mode. The values can be `COOKIE` if the load balancer uses a cookie to get the sticky session or `URL` if the load balancer uses a query parameter in the URL to get the sticky session. For example:

```
com.sun.am.policy.agents.config.postdata.preserve.stickysession.mode = URL
```

- `com.sun.am.policy.agents.config.postdata.preserve.stickysession.value` specifies the name and value of the cookie or query parameter used for the sticky session. For example:

```
com.sun.am.policy.agents.config.postdata.preserve.stickysession.value = AgentID=01
```

Important: For a sticky session to be set, you must set both of these properties correctly (and not to null).

These new properties are in the `OpenSSOAgentConfiguration.properties` file. Set these properties depending on the location of your agent's configuration repository. If the repository is local to the agent's host server, edit the agent's `OpenSSOAgentConfiguration.properties` file.

If the agent's configuration repository is centralized, use the OpenSSO Console:

1. Log in to the OpenSSO Administration Console.
2. Click Access Control, *realm-name*, Agents, Web, *web-agent-name*, and then Advanced.

3. Under Custom Properties, add both new properties with their corresponding values.
4. Click Save.

1.9.2.2.2 CR 6903850: Wildcard (*) Support Added for Not-Enforced Client IP List

The policy agent `com.sun.identity.agents.config.notenforced.ip` property in the `OpenSSOAgentConfiguration.properties` file now allows the wildcard character (*) to define an IP address. For example:

```
com.sun.identity.agents.config.notenforced.ip[2] = 192.168.11.*
com.sun.identity.agents.config.notenforced.ip[3] = *.10.10.*
```

Set this agent property depending on the location of your agent configuration repository. If the repository is centralized on the OpenSSO server, use the OpenSSO Console. If the repository is local to the agent's host server, edit the agent's `OpenSSOAgentConfiguration.properties` file.

1.9.2.2.3 CR 6947499: NSS_STRICT_NOFORK Must be Disabled for Version 3.0-01 Apache Agents

The NSS and NSPR libraries used in the policy agent 3.0-01 release have changed since the version 3.0 agents were released. Therefore, to use the version 3.0-01 Apache HTTP Server 2.0.x or Apache HTTP Server 2.2.x policy agent on any platform, the `NSS_STRICT_NOFORK` environment variable must be set to `DISABLED`.

1.9.2.3 Problems Fixed for Web Agents in the Policy Agent 3.0-01 Release

- [Problems Fixed For All Web Agents](#)
- [Problems Fixed for the Apache HTTP Server 2.0.x and 2.2.x Agents](#)
- [Problems Fixed for the Sun Java System Web Server 7.0 Agent](#)
- [Problems Fixed for the Sun Java System Web Proxy Server 4.0.x Agent](#)
- [Problems Fixed for the Microsoft Internet Information Services \(IIS\) 6.0 Agent](#)
- [Problems Fixed for the Microsoft Internet Information Services \(IIS\) 7.0 Agent](#)

1.9.2.3.1 Problems Fixed For All Web Agents

Table 1–18 Problems Fixed For All Web Agents

CR or Issue	Description
1776	Not-enforced list does not work in special circumstances
3755	Non-IP Based Token Restrictions not working with Access Manager 7 and version 3.0 agents
4755	Log message sent by Web Server 7.0 2.2 agent has an empty <code>recMsg</code>
4836	Policy agent should encode special characters in cookies by URL encoding
4917	Log a "no policy or action decision found" message at warning level
5060	3.0 Apache agents have issue with agent logout feature
5155	Support for <code>x-forwarded-for</code> headers in web agents
5229	Expired <code>AppSSOToken</code> during agent configuration fetch
5259	Cannot use wildcard characters in the path info part of URL in not enforced list

Table 1–18 (Cont.) Problems Fixed For All Web Agents

CR or Issue	Description
5266	In CDSSO mode, corrupted headers are included in the response
5323	Web agents remove CDSSO parameters from URL incorrectly
5413	Application parameters getting corrupted when CDSSO parameters are removed from the query
5425	Composite advice getting duplicated whenever access manager is restarted
5434	Apache agent doesn't work properly with mod_python handler
5453	Requests with existing iPlanetDirectoryPro cookies can cause Assertion to be ignored during session upgrade in CDSSO mode
5538	Agent crashes web server when setting long value for amlbcookie
5552	Policy evaluation fails when the request URL contains query parameters
5637	Agent doesn't work due to variable initialization issue
5666	Problems when path info is "/"
6086	Agent enforce URL case sensitivity during policy evaluation
6903850	Provide wildcard (*) support for Not Enforced Client IP List
6953714	Agent hangs while fetching policy decision if user session is validated from cache and policy has expired
6954327	In CDSSO, double POST issue problem during session upgrade
6774751	Access Manager 7.1 protected page is jumbled when session is upgraded
6959619	Host name is not set correctly when there is a load balancer in front of the agent

1.9.2.3.2 Problems Fixed for the Apache HTTP Server 2.0.x and 2.2.x Agents**Table 1–19 Problems Fixed for the Apache HTTP Server 2.0.x and 2.2.x Agents**

CR or Issue	Description
4501	Additional HTTP methods support for version 3.0 Apache agent
4799	Some extra information gets printed on protected pages intermittently
5640	Attributes headers issue with 3.0 agent on IBM AIX systems
6947499	Apache 2.2 agent does not work when SSL enabled

1.9.2.3.3 Problems Fixed for the Sun Java System Web Server 7.0 Agent**Table 1–20 Problems Fixed for the Sun Java System Web Server 7.0 Agent**

CR or Issue	Description
4688	Web Server agent notifications not working with protocol and port rewriting
4815	Memory corruption with POST data preservation
4911	Cookie reset for CDSSO set on incorrect domain
4934	Problem with POST data preservation feature in Web Server 7.0 agent
5207	Need a sticky cookie for load balancing with POST data preservation
5218	POST preservation data feature doesn't work with virtual hosts

Table 1–20 (Cont.) Problems Fixed for the Sun Java System Web Server 7.0 Agent

CR or Issue	Description
5526	POST data preservation is not used when PA redirects as a result of composite advice
5532	Agent crashes web server when root policy is not found
5706	Need sticky session for POST data preservation to use URL
6937576	IIS 6.0 and web server agents do no handle overridden URL properly
6958056	POST data preservation feature doesn't work with normal FQDN and virtual hosts

1.9.2.3.4 Problems Fixed for the Sun Java System Web Proxy Server 4.0.x Agent**Table 1–21 Problems Fixed for the Sun Java System Web Proxy Server 4.0.x Agent**

CR or Issue	Description
4911	Cookie reset for CDSSO set on incorrect domain
5680	Policy agent 2.2-02 on Web Proxy Server 4.0.4 has memory leak
6937576	IIS 6.0 and Web Server agents do no handle overridden URL properly
6953702	Cannot access CGIs through Web Proxy Server 3.0 agent in CDSSO mode

1.9.2.3.5 Problems Fixed for the Microsoft Internet Information Services (IIS) 6.0 Agent**Table 1–22 Problems Fixed for the Microsoft Internet Information Services (IIS) 6.0 Agent**

CR or Issue	Description
4815	Memory corruption with POST data preservation
4816	Random crashes with IIS 6.0 agent
5207	Need a sticky cookie for load balancing with POST data preservation
5218	POST preservation data feature doesn't work with virtual hosts
5526	POST data preservation is not used when PA redirects as a result of composite advice
5532	Agent crashes Web Server when root policy is not found
5621	IIS 6.0 agent is not responding with OK message to notifications from server
5706	Need sticky session for POST data preservation to use URL
6929312	IIS agent: Existing header as reuterssuid will be replaced by a new header that contains its key
6937576	IIS 6.0 and web server agents do not handle overridden URL properly
6958056	POST data preservation feature doesn't work with normal FQDN and virtual hosts

1.9.2.3.6 Problems Fixed for the Microsoft Internet Information Services (IIS) 7.0 Agent

Table 1–23 Problems Fixed for the Microsoft Internet Information Services (IIS) 7.0 Agent

CR or Issue	Description
5621	IIS 6.0 Agent is not responding with OK message to notifications from server
6929312	For IIS 7.0 agent, existing header as <code>reutersuuid</code> will be replaced by a new header that contains its key
6937576	IIS 6.0 and Web Server agents do not handle overridden URL properly
6956162	"Object Moved error" with redirects in Policy Agent 3.0 for IIS 7.0
6956232	Policy Agent 3.0 for IIS 7.0 changes ASP.NET session ID
6955905	Server problems when cookie reset is enabled in IIS 7.5
6934736	IIS 7.0 agent is not responding with OK message to notifications from server

1.10 Installation of Version 3.0-0x Policy Agents in Patch Releases

A version 3.0.-0x policy agent released in a patch requires a full installation. If you have an earlier version 3.0 policy agent already installed, you must uninstall that agent and then reinstall the new version 3.0 agent.

To install a version 3.0.-0x policy agent, follow these steps:

1. If you have an earlier policy agent installed, uninstall the agent by following the instructions in the respective Policy Agent 3.0 guide in this documentation library:

<http://docs.oracle.com/cd/E19681-01/index.html>

Caution: Before you uninstall the agent, back up your existing agent deployment. For example, for the Apache HTTP Server 2.2.x agent, back up the files under `AgentHome/web_agents/apache22_agent`, where `AgentHome` is where you installed the agent.

2. Create a directory to download the version 3.0-0x patch file.
3. Download the agent you want to install from My Oracle Support:

<https://support.oracle.com/>

4. In the download directory, unzip the version 3.0-0x patch file.

A patch for an agent contains a README file and separate ZIP files for each platform supported by the specific agent you downloaded.

5. Unzip the file for your specific platform.

The files and directories required by the specific agent are then available in the following directory:

`zip-root/agent-type/agent-name`

where:

- `zip-root` is where you unzipped the file.
- `agent-type` is either `j2ee_agents` or `web_agents`.
- `agent-name` identifies the specific agent.

6. Check the README available with the agent for more information about the agent for your specific platform.
7. Install and configure the version 3.0-0x agent by following the instructions in the respective Policy Agent 3.0 guide.

Note: Version 3.0-0x policy agents require JDK 1.5 or later on the server where you plan to install the agent. Before you run the `agentadmin` program to install the agent, make sure you have the required JDK installed and then set your `JAVA_HOME` environment variable to point to the JDK installation directory.

1.11 Documentation Errata

This section describes the following Policy Agent 3.0 documentation errata:

- [Section 1.11.1, "Restarting OpenSSO server and agents after patch installation"](#)
- [Section 1.11.2, "Using camel case for `com.ipplanet.am.session.agentSessionIdleTime` parameter"](#)
- [Section 1.11.3, "Configuring Web Agent Log Rotation"](#)
- [Section 1.11.4, "Installing the Policy Agent for Oracle WebLogic Server/Portal 10"](#)
- [Section 1.11.5, "Performing Postinstallation for the Agent on WebLogic Server 10.3.6 on a SUSE Linux Platform"](#)

1.11.1 Restarting OpenSSO server and agents after patch installation

The OpenSSO documentation does not mention that after you upgrade (or downgrade) an OpenSSO installation by installing an OpenSSO patch, you must restart the OpenSSO server and all policy agents that you have deployed.

1.11.2 Using camel case for `com.ipplanet.am.session.agentSessionIdleTime` parameter

References in the OpenSSO 8.0 documentation (and the Access Manager 7.1 `AMConfig.properties` file) show this parameter with all lowercase letters, but that format does not set the idle timeout value for agent sessions.

When you set the idle timeout value, specify the parameter as follows:

```
com.ipplanet.am.session.agentSessionIdleTime
```

1.11.3 Configuring Web Agent Log Rotation

The "Configuring Web Agent Log Rotation" section in the *Sun OpenSSO Enterprise Policy Agent 3.0 User's Guide for Web Agents* (<http://docs.oracle.com/cd/E19316-01/820-5816/adta1/index.html>) describes local audit log files only. The following sections add new information about debug log files and correct some of the information about audit log files:

- [Debug Log Files](#)
- [Local Audit Log Files](#)

1.11.3.1 Debug Log Files

Debug log files store troubleshooting information. The debug log files are rotated automatically, because the `com.sun.identity.agents.config.debug.file.rotate` property is enabled by default.

When this property is not enabled, no log rotation occurs for the debug log files.

The following properties are also related to debug log file rotation:

- The value of the following web agent property, which is available in the `OpenSSOAgentBootstrap.properties` file, indicates the location of the debug log file:

```
com.sun.identity.agents.config.debug.file
```

This property is not available in the Oracle OpenSSO Console. Since the agent debug log file is created during agent installation, the location of that file is assigned to the bootstrap file property at that time.

- The value of the web agent property labeled Debug Log Rotation Size (Tab: Global, Name: `com.sun.identity.agents.config.debug.file.size`) indicates the maximum number of bytes the debug log file holds.

You can set this property in the Oracle OpenSSO Console. This property controls the log file size when a new debug log file is created when the current debug log file reaches a specific size. The debug log file size should be a minimum of 3000 bytes. The default size is 10 megabytes.

1.11.3.2 Local Audit Log Files

The log rotation described in this section refers to logs that store audit-related information locally.

The local logs are not rotated automatically, since by default, the Rotate Local Audit Log property is disabled. When this property is enabled, new log rotation occurs for the local log file. (This information is incorrect in the *Sun OpenSSO Enterprise Policy Agent 3.0 User's Guide for Web Agents*.)

The following properties are also related to audit log file rotation:

- The value of the following web agent property, which is available in the `OpenSSOAgentBootstrap.properties` file, indicates the location of the local audit log file:

```
com.sun.identity.agents.config.local.logfile
```

This property is not available in the Oracle OpenSSO Console. Since a local audit file is created during agent installation, the location of that file is assigned to the bootstrap file property at that time.

- The value of the web agent property labeled Local Audit Log Rotation Size (Tab: Global, Name: `com.sun.identity.agents.config.local.log.size`) indicates the maximum number of bytes the local audit log file holds. You can set this agent property in Oracle OpenSSO Console. Default size is 50 megabytes.

1.11.4 Installing the Policy Agent for Oracle WebLogic Server/Portal 10

The installation instructions in the *Policy Agent 3.0 Guide for Oracle WebLogic Server/Portal 10* do not mention the following sequence of steps required to install the version 3.x Java EE agent in a standalone environment with managed servers before you add a `PolicyAgentProvider`:

1. Stop the WebLogic Server Administration Server and all managed servers in the standalone environment.
2. Install the agent.
3. Start the Administration Server.
4. Add the PolicyAgentProvider and activate the settings in the Administration Server Console.
5. Start the managed servers.

1.11.5 Performing Postinstallation for the Agent on WebLogic Server 10.3.6 on a SUSE Linux Platform

The postinstallation instructions in the *Policy Agent 3.0 Guide for Oracle WebLogic Server/Portal 10* do not mention the following additional postinstallation steps required for the version 3.x Java EE agent on Oracle WebLogic Server 11g (10.3.6) on a SUSE Linux platform:

1. Open the WebLogic Server startup file `startWebLogic.sh` in an editor.
2. In the `startWebLogic.sh` file, modify the following line:
Change: `securerandom.source=file:/dev/urandom`
To: `securerandom.source=file:/dev/./urandom`
3. Save the file.