HP Operations Smart Plug-in for JBoss Application Server

for the Linux operating system

Release Notes

Software version: 7.00, December 2009

This document provides an overview of the changes made to HP Operations Smart Plug-in for JBoss Application Server SPI (JBoss AS SPI) for the release 7.00. It contains important information not included in the manuals or in online help.

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In This Version

The HP Operations Smart Plug-in for JBoss Application Server (JBoss AS SPI) enables you to manage JBoss Application Servers (JBoss EAP 4.2.x and 4.3.x) from an HP Operations Manager for UNIX (HPOM) console. From the HPOM for UNIX console, you can monitor the availability, use, and performance of JBoss Application Servers running on HPOM managed nodes. You can integrate JBoss AS SPI with other HP Software products like HP Performance Manager (the product must be purchased separately) to get consolidated graphs. The graphs help you analyze trends in server usage, availability, and performance. The JBoss AS SPI adds the following monitoring capabilities otherwise unavailable to HPOM:

- Availability Monitoring

- Resource Monitoring

- Process Monitoring

Major Features

- Monitors performance of the servers:

    — JVM

    — Thread Pools

    — Transactions (JTA)

    — EJBs

    — Servlets

    — JCA/JDBC Connections

— JMS

- Gathers data about JBoss AS Logs

- Support for HP Operations Manager for Linux 9.0x

Documentation Updates

The first page of this release notes document contains the following identifying information:

- Version number, which indicates the software version.

- Publish date, which changes each time the document is updated.

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

http://h20230.www2.hp.com/selfsolve/manuals

This site requires that you register for an HP Passport and sign-in. To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

Or click the **New users - please register** link on the HP Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

NOTE: To view files in PDF format (`*.pdf`), Adobe Acrobat Reader must be installed on your system. To download Adobe Acrobat Reader, go to the following web site:
http://www.adobe.com/

Installation Notes

Installation requirements, as well as instructions for installing JBoss AS SPI, are documented in the *Installation and Configuration Guide* for *HP Operations Smart Plug-in for JBoss Application Server* provided in Adobe Acrobat (`.pdf`) format. The document file is included on the product's DVD media in the `documentation` directory.

Software and Hardware Support

Refer to the Support Matrix (SUMA) link
http://support.openview.hp.com/selfsolve/document/KM323488 for the supported HP Operations Manager, application servers, HP Performance Agent, and HP Performance Manager version.

For information on the archived obsolescence programs, refer to the Obsolescence Archive link
http://intranet.hp.com/tsg/WW2/SWObsoMigrations/ObsoArchive/Pages/ArchivedObsoPrograms.aspx.

Known Problems, Limitations, and Workarounds

This release contains the following unresolved problems and limitations. Workarounds are provided wherever applicable.

- **Problem:** If the instrumentation files of more than one Web Application Server SPI are deployed on the same node, an error message (File name collision detected) appears in the HPOM message browser whenever a multiple occurrence of an instrumentation file is identified.

- **Problem:** When the instrumentation files of the JBoss AS SPI and SHS component are deployed on the same node, an error message (File name collision detected) appears in the HPOM message browser whenever a multiple occurrence of `XMLParser.pm` is identified. This does not affect the configuration. You can ignore this error message.

- **Limitation:** When you have installed one SPI on the Linux management server and want to install another SPI on the server, you have to reselect the previously installed SPI and select the required SPI from the Modify option. If you do not reselect the previously installed SPI, it removes the previously installed SPI and installs the selected SPI on the Linux management server.

- **Limitation:** When you have two SPIs installed on the Linux management server and you want to remove one SPI out of the two installed SPIs, select Modify (1) option and then the SPI you want to retain. Do not select the SPI which you want to remove.

Integration with Other HP Software Solutions

JBoss AS SPI can be integrated with HP Performance Manager (the product must be purchased separately) to get consolidated graphs. The graphs help you analyze trends in server usage, availability, and performance.

Local Language Support

The SPI installers obtain the HPOM for UNIX locale from the ctrl.env namespace before proceeding with the SPI installation. Verify if the namespace has been set using the following command:

 # /opt/OV/bin/ovconfget ctrl.env LANG

If the ctrl.env namespace is not set by the HPOM, run the following command on the HPOM Server before starting the SPI installation:

 # ovconfchg -ns ctrl.env -set LANG <HPOM locale> where *<HPOM locale>* could be C, ja_JP, ko_KR, or zh_CN

Example: **ovconfchg -ns ctrl.env -set LANG ja_JP**

Depending on the *<HPOM locale>* value, the LANG variable in the ctrl.env namespace will be set to C.utf8, ja_JP.utf8, ko_KR.utf8, or zh_CN.utf8.

Documentation Errata

The following troubleshooting information is missing in the *Installation and Configuration Guide* for *HP Operations Smart Plug-in for JBoss Application Server*.

Problem: In the SiteConfig file for Windows managed nodes, the value for JBOSS_HOME_LIST and JAVA_HOME appears as:

JBOSS_HOME_LIST=CProgram FilesEnterprisePlatform-4.3.0.GA_CP06jboss-as
JAVA_HOME=CProgram FilesJavajdk1.5.0_16

The "\" character is removed from the path.

Workaround: Replace the character "\" with "/" or "\\" in the path for JBOSS_HOME_LIST and JAVA_HOME.

For example, JBOSS_HOME_LIST=`C:/Program Files/EnterprisePlatform-4.3.0.GA_CP06/jboss-as` or JBOSS_HOME_LIST=`C:\\Program Files\\EnterprisePlatform-4.3.0.GA_CP06\\jboss-as`

Support

You can visit the HP Software support web site at:

www.hp.com/go/hpsoftwaresupport

This web site provides contact information and details about the products, services, and support that HP Software offers.

HP Software online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require an active support contract. To find more information about support access levels, go to the following URL:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an HP Passport ID, go to the following URL:

http://h20229.www2.hp.com/passport-registration.html

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