
HP Operations Smart Plug-in for JMX Metric Builder

for HP Operations Manager for UNIX®

Release Notes

Software version: 7.00 /December 2009

This document provides an overview of the changes made to HP Operations JMX Metric Builder (JMB) for the release 7.00. It contains important information which is not included in the manuals or online help.

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In This Version

HP Operations JMX Metric Builder for HP Operations Manager for UNIX version 9.0x contains new features, feature enhancements, and other changes.

New Feature

HP Operations JMX Metric Builder for HP Operations Manager for UNIX contains the new feature:

- Support for HP Operations Manager for UNIX 9.0x
- PMI Counter is not supported for WebSphere Application Server version 6.0 and above
- Support removed for JMB on JMX Compliant MBean Server and non WebLogic/WebSphere/Oracle AS (10gR3) environment

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 JMB, are documented in the *Installation and Configuration Guide for HP Operations Smart Plug-in for User Defined Metrics* provided in Adobe Acrobat (.pdf) format. The document file is included on the product's DVD media in the documentation directory.

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, HP Performance Manager, and HP Reporter version.

For information on the archived obsolescence programs, refer to the Obsolescence Archive link

http://support.openview.hp.com/encore/om_spis_2009.jsp.

Software and Hardware Requirements

The JMB works with and requires either one or all of the WebSphere SPI, WebLogic SPI, and Oracle AS SPI (version 10gR3 only) which must be installed and configured. The JMB runs only on the HP Operations management server.

- Software
 - HP Operations for UNIX: 9.0x
 - WebSphere Application Server SPI, WebLogic Server SPI, or Oracle Application Server SPI
 - JMX Metric Builder
- JMB Plug-in for Eclipse Requirements

Known Problems, Limitations, and Workarounds

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

- **Problem:** A root user is unable to save a java file while running the JMX Metric Builder tool and encounters an error. For more information on the error, see http://docs.hp.com/en/14599/HP-UX_InternetExpress_Frequently_Asked_Questions.htm#eclipse.

A non-root user is able to save a java file. The non-root user requires read, write, and execute permission to access the following directories:

/opt/OV/wasspi/wbs

/var/opt/OV/wasspi/wbs

/opt/OV/jmb/bin/wbs

/opt/OV/wasspi/wls

/var/opt/OV/wasspi/wls

/opt/OV/jmb/bin/wls

/opt/OV/wasspi/oas

/var/opt/OV/wasspi/oas

/opt/OV/jmb/bin/oas

- **Problem:** The Java versions shipped with HPOM 7.1 and 8.0 are not complete, and, when running the JMB, Java errors occur.

Workaround: Set the JMB_JAVA_HOME property in the SPI configuration to the home directory of a version of Java 1.41 or higher on the management server.

- **Problem:** JMB cannot read a UDM file that is broken, even if the problem with the file has been corrected.
If the UDM file becomes corrupted and the JMB attempts to read that file, an error message is displayed. The file may become corrupted by manual editing. If the file is fixed, the JMB does not refresh and read the corrected file.

Workaround: The JMB should be exited. The errant file should be corrected or removed. Then, the JMB should be restarted. When it starts, the JMB can read the file, or a new file with the same name can be created. The UDM files are stored in the directory

/opt/OV/wasspi/wbs/conf/workspace/UDMProject/ or

/opt/OV/wasspi/wls/conf/workspace/UDMProject/.

- **Problem:** JMB cannot gather OAS metrics.

Workaround: None. This release of JMB does not support Oracle Application Server.

- **Problem:** You cannot start more than one instance of JMB at the same time.

Workaround: Run only one instance of JMB at a time.

- **Problem:** JMB cannot read an MBean data file that is corrupted. On rare occasions an error has occurred in the Gather MBean process and the MBean data file has been corrupted, either by being truncated or by containing an error message instead of the MBean XML. The error cannot be cleared, even by removing the bad file.

Workaround: There are two alternatives depending on what result you want. In either case, first exit the JMB. The simplest is to re-run the Gather MBean Data application to get the data successfully. The corrected data file will be properly read when the JMB is restarted.

The second option is used if you decide you do not wish to create MBeans for the application server whose SPI MBean data file is bad. After exiting the JMB, remove the following directory and all of its contents: /opt/OV/wasspi/udm/lib/ovojmxtool/configuration/. Also remove the bad MBean data file named:

/opt/OV/wasspi/wbs/conf/workspace/UDMProject/<node-name>/<server-name>.xml or

/opt/OV/wasspi/wls/conf/workspace/UDMProject/<node-name>/<server-name>.xml

This causes the JMB to forget the associations it had with previous files. When it starts, it notes only the files currently in the MBean data directory.

- **Problem:** No more than one instance of the JMB can be started at any time.

Workaround: Run only one instance of the JMB at a time.

- **Problem:** When the JMX Metric Builder is integrated with WebLogic Workshop (WLW), the web server is missing some scripts allowing UDM files to be opened and saved.

Workaround: Copy and edit, if necessary, the scripts required by the web server. Refer to the WLW online help for more information.

- **Problem:** The Gather MBean Data application hangs.

Workaround: The MBean information is saved in an XML file on the managed node. Gather MBean Data application retrieves information from the file immediately, if the XML file size is 1KB. If the file

size is larger (for example, 3 MB) then Gather MBean Data application may take about 20 minutes to retrieve the information.

- **Problem:** Cannot generate OMW policies in JMB on the OMU management server

Workaround: NA. This release of JMB does not support the creation of OMW policies

- **Problem:** Gather Metadata fails due to timeout on the node in a network deployer scenario.

Workaround: On the node, perform the following steps:

- 1 In `<OV_DATADIR>/wasspi/wbs/conf/SPIConfig` file add the following property :

`com.hp.openview.wasspi.collector.rmi.client.socket.timeout=<value in seconds>`
(preferably 10800 seconds, that is, 3 hrs).

- 2 In the instrumentation dir, `/var/opt/OV/bin/instrumentation`, run :

`wasspi_perl wasspi_ca -r -x metadata=on -i "<Server Name>"`.

`<Server Name>.xml` in `/var/opt/OV/tmp/wbsspi` is created.

On the server, perform the following task:

Copy the output of step 3 to `/opt/OV/wasspi/wbs/conf/metadata/<fully qualified node name>/<Server Name>.xml`.

For example: `/opt/OV/wasspi/wbs/conf/metadata/btovm578.hp.com/<Server Name>.xml`

- **Problem:** Policy generation does not work correctly.

Workaround: Java 1.4 or above and perl 5.8.8 path is required for the policy generation to work correctly. Set the Java & Perl 5.8.8 path variables in the `/opt/OV/jmb/conf/sourcePath.sh` script. By default, the script has the value: `PATH=/usr/local/bin:/usr/binPATH`. Replace the default value of the path with the Java & Perl 5.8.8 install path.

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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