HP Operations Smart Plug-in for Cluster Infrastructure

Software Version: 12.00
HP Operations Manager for Windows®, HP-UX, Linux, and Solaris operating systems

Release Notes

Document Release Date: September 2015
Software Release Date: September 2015

Legal Notices

Warranty

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notice

© Copyright 2010-2015 Hewlett-Packard Development Company, L.P.

Trademark Notices

Adobe ® are trademarks of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of the Microsoft group of companies.

Oracle is a registered trademark of Oracle and/or its affiliates.

UNIX® is a registered trademark of The Open Group.

Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

To check for recent updates or to verify that you are using the most recent edition of a document, go to: **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.

Support

Visit the HP Software Support Online web site at: **http://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 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 web 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 a support contract. To register for an HP Passport ID, go to:

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

To find more information about access levels, go to:

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

HP Software Solutions Now accesses the HPSW Solution and Integration Portal Web site. This site enables you to explore HP Product Solutions to meet your business needs, includes a full list of Integrations between HP Products, as well as a listing of ITIL Processes. The URL for this Web site is **http://h20230.www2.hp.com/sc/solutions/index.jsp**

Contents

HP Operations Smart Plug-in for Cluster Infrastructure Release Notes

For the HP Operations Manager for Windows®, HP-UX, Linux, and Solaris operating systems.

Software version: 12.00

Publication date: September 2015

This document is an overview of the changes made to HP Operations Smart Plug-in for Cluster Infrastructure (CI SPI). It contains important information that is not included in manuals or the Online Help. You can find information about the following in this document:

- Supported Environments

- License for the Software

- Support Matrix

- Installation Notes

- Known Problems and Workarounds

- Limitations

- Documentation Updates

- Localization Support

Supported Environments

Before installing CI SPI, make sure that your system meets the following minimum requirements for HP Operations Manager (HPOM) management server and managed nodes.

For information about the supported operating system architectures, release versions, and for recent updates, go to the support matrix URL: HP Software Support Matrix.

Management Server Requirements

The Infrastructure SPI is supported on HPOM for Windows, HP-UX, Linux, and Solaris operating systems. The following table lists the HPOM requirements and the HP Software products you must install on the management server. The patches mentioned are the minimum applicable level. Always apply the latest available patches.

Product Name	Operating system	Versions Supported	Patch/Hot fix
HP Operations Manager	Windows	9.00	OMW_00185
		8.16	OMW_00186
	HP-UX	9.21.100	OMUADMINUI_00012.zip, OMHPUX_00013.depot
	Linux	9.21.100	OMUADMINUI_00012.zip, OML_00089.rpm
	Solaris	9.21.100	OMUADMINUI_00012.zip, ITOSOL_00811.shar
HP Performance Manager (to view graphs)	Windows	9.20	-
	HP-UX	9.20	-
	Solaris	9.20	-
	Linux	9.20	-
HP Reporter (to view reports)	Windows - 64 bit	4.00	-
	Windows - 32 bit	3.90	-
		3.80	-

* Contact HP Support to obtain the hotfix

Supported Agent Versions on Managed Nodes

The Infrastructure SPIs provide support to nodes running the Windows, AIX, Linux, HP-UX, or Solaris operating systems. The following table lists the agent version that you must deploy on the managed nodes.

Product Name	Version Supported
HP Operations Agent	12.00

Supported Cluster Environments

- High Availability Cluster Multi-Processing (HACMP/PowerHA) for AIX

- MC Service Guard Cluster (MCSG) for HP-UX and Linux

- Red Hat Advanced Server (RHAS) Cluster for RHEL

- Solaris Cluster for Solaris

- Veritas Cluster Server (VCS) for UNIX and Windows

- Microsoft Cluster Server (MSCS) for Windows

License for the Software

No separate license is required for the CI SPI. It is included with the purchase of HP Operations Agent Software LTUs (License to Use). Separate LTUs for SI SPI, CI SPI, and VI SPI are included with each HP Software Operations Agent LTU.

Support Matrix

You can find the Support Matrix for this product that lists all software and hardware requirements at this location: HP Support matrices.

Note: 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 Access levels.

To register for an HP Passport ID, go to HP Passport Registration.

Installation Notes

Installation requirements, as well as instructions for installing the CI SPI are documented in the Installation Guide *(HP Operations Agent and Smart Plug-ins for Infrastructure Installation Guide)*.

Known Problems and Workarounds

The reference number for each defect is the Quality Center Change Request (QCCR) number. For more information about open defects, visit HP Software Support Online, or contact your HP Support representative directly.

For CI SPI:

Problem: For the SNMP nodes added by Infrastructure SPIs on HPOM for Windows, the alert message appears as `critical node may be down`.

Workaround: To manually update the heartbeat polling protocol for the SNMP node to ICMP, follow these steps:

1. In the HPOM for Windows Management Server console, right-click the SNMP node.

2. Choose **Properties** from the pop-up menu.

3. Click the **Network** tab.

4. Under Heartbeat Polling, change the value of **Polling** to **Custom** and the value of **Ping Protocol** to **ICMP Only**.

5. Click **Apply** and then click **OK**.

Problem: The label for CI-MCSG HP-UX nodes does not appear correctly.

Workaround: To resolve the problem, follow these steps:

1. Run the following command:

    ```
    cd /opt/OV/install/CLUSTER-INFRASPI/<locale>/NODEGROUPS
    ```

    In this instance, locale can be `C.utf8, ja_JP.UTF-8 or zh_CN.UTF-8`

2. Run the following command to obtain execute permission:

    ```
    chmod +x ci-nodegroups.dat
    ```

    a. Open the **ci-nodegroups.dat** file and change the node group labels as follows:

        Old code

        ```
        LABEL "CI-MCSG RHEL NODES"
        ```

        New code

        ```
        LABEL "CI-MCSG HPUX Nodes"
        ```

3. Save the file.

4. Run the following command:

    ```
    /opt/OV/bin/OpC/opccfgupld -replace - subentity "/opt/OV/install/CLUSTER-
    INFRASPI"
    ```

For HP Operations Agent:

Problem: `Opcle` aborts when Infrastructure SPIs policies are deployed to the node. For more information, see QCCR1A153786.

Limitations

In this release of CI SPI, the language of the policies auto-deployed on the nodes depends on the locale of the HPOM for Windows management server and not the node of the locale.

Documentation Updates

The following documentation is available for CI SPI:

- HP Operations Agent and Smart Plug-in for Infrastructure Installation Guide

- Concepts Guide

- User Guide

The first page of this document identifies the:

- Version number for the software

- Software release date

To check for recent updates or to verify that you are using the most recent edition, visit the HP Software Product Manuals web site.

To retrieve a document, select the:

1. **Product** name.

2. **Version** list.

3. **Operating System**.

4. Preferred **Language**.

5. Document title.

6. Click **Open** or **Download**.

You must have Adobe® Reader installed to view files in PDF format (*.pdf). To download Adobe Reader, go to the Adobe web site.

Localization Support

HP supplies localized software and documentation in English.

Send Documentation Feedback

If you have comments about this document, you can contact the documentation team by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

Feedback on Release Notes (Operations Smart Plug-in for Cluster Infrastructure 12.00)

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to docfeedback@hp.com.

We appreciate your feedback!