



Operations Smart Plug-in for Cluster Infrastructure

Software Version: 12.04
Operations Manager for Windows®, HP-UX, Linux, and Solaris operating systems

Release Notes

Document Release Date: August 2017
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Operations Smart Plug-in for Cluster Infrastructure Release Notes

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

Software version: 12.04

Publication date: August 2017

This document is an overview of the changes made to 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 Operations Manager (OM) 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: [Software Support Matrix](#).

Management Server Requirements

The Infrastructure SPI is supported on OM for Windows, HP-UX, Linux, and Solaris operating systems. The following table lists the OM requirements and the HPE 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
Operations Manager	Windows	9.00	OMW_00185
		8.16	OMW_00186
	HP-UX	9.21.100	OMUADMINUI_00012.zip, OMHPUX_00013.depot
		9.21.130	OMHPUX_00021
	Linux	9.21.100	OMUADMINUI_00012.zip, OML_00089.rpm
		9.21.120	OML_00098
		9.21.130	OML_00099
	Solaris	9.21.100	OMUADMINUI_00012.zip, ITOSOL_00811.shar
9.21.120		ITOSOL_00818	
Performance Manager (to view graphs)	Windows	9.20	-
	HP-UX	9.20	-
	Solaris	9.20	-
	Linux	9.20	-
		9.21.120	OML_00098
Reporter (to view reports)	Windows - 64 bit	4.00	-
	Windows - 32 bit	3.90	-
		3.80	-

*** Contact 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
Operations Agent	12.01

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 Operations Agent Software LTUs (License to Use). Separate LTUs for SI SPI, CI SPI, and VI SPI are included with each 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: [Support matrices](#).

Note: Most of the support areas require that you register as a 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 Passport ID, go to [Passport Registration](#).

Installation Notes

Installation requirements, as well as instructions for installing the CI SPI are documented in the Installation Guide (*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 [Software Support Online](#), or contact your Support

representative directly.

For CI SPI:

Problem: For the SNMP nodes added by Infrastructure SPIs on OM 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 OM 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-INFRA-SPI/<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-INFRA-SPI"
```

For Operations Agent:

Problem: `opc1e` 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 OM for Windows management server and not the node of the locale.

Documentation Updates

The following documentation is available for CI SPI:

- 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

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