

HP Operations Smart Plug-in for Virtualization Infrastructure

Software Version: 11.16

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

Release Notes

Document Release Date: March 2017

Software Release Date: March 2017

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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.
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- 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:

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To find more information about access levels, go to:

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HP Operations Smart Plug-in for Virtualization Infrastructure Release Notes

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

Software version: 11.16

Publication date: March 2017

This document is an overview of the changes made to HP Operations Smart Plug-in for Virtualization Infrastructure (VI 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:

- [What's New in This Release](#)
- [Supported Environments](#)
- [License for the Software](#)
- [Support Matrix](#)
- [Installation Notes](#)
- [Enhancements and Fixes](#)
- [Known Problems and Workarounds](#)
- [Limitations](#)
- [Documentation Updates](#)
- [Localization Support](#)

What's New in This Release

- **Support for IPv6**

This version of HP Operations Smart Plug-in for Virtualization Infrastructure provides support for IPv6 enabled servers.

- **Policies subject to version change**

The following policies version is upgraded to 11.16:

- VI-VMwareVCClusterCPUPerformanceMonitor
- VI-VMwareVCClusterMemoryPerformanceMonitor
- VI-VMwareVCGuestCPUPerformanceMonitor
- VI-VMwareVCGuestMemoryPerformanceMonitor
- VI-VMwareVCHostCPUSaturationMonitor

- VI-VMwareVCHostCPUUtilMonitor
- VI-VMwareVCHostMemUtilMonitor
- VI-VMwareVCRespoolCPUUtilMonitor
- VI-VMwareVCGuestLatencyMonitor
- VI-IBMLPARFrameCPUUtilMonitor
- VI-IBMLPARFrameMemoryUtilMonitor
- VI-VMwareVCEventMonitor
- VI-VMWareStateMonitor
- VI-VMwareTotalVMMemoryUtilMonitor
- VI-VMwareVMMemoryUtilMonitor
- VI-LinuxVirtHostMemoryUtilMonitor
- VI-IBMLPARFrameCPUUtilMonitor-AT
- VI-VMwareHostsCPUUtilMonitor
- VI-VMwareVCDatastoreSpaceUtilizationMonitor
- VI-LinuxVirtStateMonitor
- VI-LinuxVirtGuestCPUUtilMonitor
- VI-VMWareVCGuestStateMonitor
- VI-VMFSReadLatencyMonitor
- VI-VMFSWriteLatencyMonitor
- VI-VMwareDiskErrorMonitor
- VI-VMwareDiskThroughputMonitor
- VI-VMwareVMFSUtilizationMonitor
- **Deprecation of Data Collector Policy for IBM HMC**

HP Software announces deprecation of Data Collector Policy for IBM HMC of HP Operations Smart Plug-in for Virtualization Infrastructure, version 11.13. HP Software will continue to support defect fixes till the obsolescence of product component is announced. No further enhancement to Data Collector Policy for IBM HMC will be done.
- **Defect fixes**

This patch release contains enhancements and defect fixes. For more information, see the *Infrastructure SPI 11.15 patch text*.

For information about customer-related enhancements and software fixes, see [Enhancements and Fixes](#).

Supported Environments

Before installing the VI 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_00178 |
| | | 8.16 | OMW_00177 |
| | HP-UX | 9.10 | PHSS_43465 |
| | | 09.21.120 | OMHPUX_00020 |
| | Linux | 9.10 | OML_000057 |
| | | 09.21.120 | OML_00098 |
| | Solaris | 9.10 | ITOSOL_00789 |
| | | 09.21.120 | ITOSOL_00818 |
| HP Performance Manager (to view graphs) | Windows | 9.00 | HPPM9W_00002 |
| | HP-UX | 9.00 | PHSS_42753 |
| | Solaris | 9.00 | HPPM9S_00002 |
| | Linux | 9.00 | HPPM9L_00002 |

| Product Name | Operating system | Versions Supported | Patch/Hot fix |
|-------------------------------|------------------|--------------------|---------------|
| 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 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 | 11.15 |

Supported Virtualization Vendors/Technologies

- VMware vMA, ESX/ESXi servers, and vCenter
- IBM AIX LPARs and WPARs
- Oracle Solaris Zones
- Microsoft HyperV
- HP Integrity Virtual Machines (HPVM)
- Kernel-based Virtual Machines (KVM) and Xen

For supported version and architecture related information, visit the support matrix URL: [HP Software Support Matrix](#)

License for the Software

No separate license is required for the VI 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 VI SPI are documented in the *HP Operations Agent and Smart Plug-ins for Infrastructure Installation Guide*.

Enhancements and Fixes

The following CRs (identified by reference number) are fixed in the current software release. You can view details about the CR using the reference number from the HP Software Support Online. You need a HP passport to access this web site. To set up your passport profile, go to: [HP Support](#).

- **QCCR1A163653**: Document examples of Adaptive Thresholds used in policies. Specifically examples for CPU and memory.
- **QCCR1A185322**: Enhance the Event Monitoring Policy named VI-VMwareVCEventMonitor to turn on the filter only for Incident based monitoring of alarms rather than the default State based monitoring.

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.

QCCR1A151626: SI-SystemDiscovery and Quick start policies gets auto-deployed to VA node, which is not supported.

Workaround: You can disable auto deployment of policies by following these steps:

1. Right-click the node and then click **Properties**.
2. In the properties window, click the **Network** tab.
3. Under the **Auto Deployment** feature, ensure that the **Enable Auto Deployment** option is not checked.

QCCR1A145749: KVM & XEN reports are not launched successfully on HPOM for Windows 9.0.

Workaround: To resolve the problem, follow these steps:

1. Wait for the Discovery and collection to be completed on the node so that the required schema can be created by Reporter.
2. To create the missing views, run **newdb** command on all the VI SPI xml files as follows:

```
C:\Users\Administrator>cmd /C start /d "C:\HPOM\newconfig\packages" /b /wait  
newdb -xml "C:\HPOM\newconfig\packages\Virtualization_views.xml"
```

After completion, create reports and show report tasks.

QCCR1A162736: Auto Action for node group addition on the server gets timed out.

Workaround: Run the following command on the management server:

```
ovconfchg -ns eaagt -set OPC_KILL_AUTO_ACTION_TIMEOUT 1000
```

Limitations

- During the uninstallation of Infrastructure SPIs from HPOM for Windows 9.00 management server where HP Performance Manager 9.00 is installed, the following warning appears. You can ignore the warning message.

The package HPSpiInfG 11.11.xxx (HP Software SPI for Infrastructure - Graphs); cannot be uninstalled. Dependent packages : HP Performance Manager.

- VMware vMA node groups get merged into HP Operations agent node group in Virtualization Infrastructure service map after VA discovery. For more information, see [QCCR1A153746](#)
- Graphs and reports are not available for VMware virtualization monitoring solution using Virtual Appliance (VA).
- Some of the nested resource pools may not be discovered due to failure in getting UUID of parent resource pool. For more information, see [QCCR1A162251](#)

Documentation Updates

The following documentation is available for VI 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.

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2. **Version** list.
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HP supplies localized software and documentation in English.

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Feedback on Release Notes (Operations Smart Plug-in for Virtualization Infrastructure 11.16)

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