

HP Operations Smart Plug-in for Virtualization Infrastructure

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

Software Version: 11.14

Release Notes

Document Release Date: June 2014

Software Release Date: June 2014



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 2008-2014 Hewlett-Packard Development Company, L.P.

Trademark Notices

Adobe® is a trademark 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/hpsupport>

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

Contents	3
HP Operations Smart Plug-in for Virtualization Infrastructure Release Notes	4
What's New in This Release	4
Supported Environments	6
License for the Software	8
Support Matrix	8
Installation Notes	8
Enhancements and Fixes	8
Known Problems and Workarounds	8
Limitations	10
Documentation Updates	10
Localization Support	11
We appreciate your feedback!	12

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: 11.14

Publication date: June 2014

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

This release of VI SPI contains the following features:

- **Monitor Virtual Appliance using the VI-VASelfMonitor policy**

The VI-VASelfMonitor policy is a measurement threshold policy that monitors the status of the connection to the vCenter and also the collection from the vCenter on HP Operations Agent Virtual Appliance node. For more information, see the VI-VASelfMonitor policy in the *HP Operations Smart Plug-ins for Virtualization Infrastructure User Guide*.

- **Monitor the kernel latency of ESX/ESXi hosts using the VI-VMwareVCHostKernelLatencyMonitor policy**

The VI-VMwareVCHostKernelLatencyMonitor policy monitors the kernel latency of ESX/ESXi hosts. For more information, see the VMwareVCHostKernelLatencyMonitor policy in the *HP Operations Smart Plug-ins for Virtualization Infrastructure User Guide*.

- **Monitor the device latency of ESX/ESXi hosts using the VI-VMwareVCHostDeviceLatencyMonitor policy**

The VI-VMwareVCHostDeviceLatencyMonitor policy monitors the device latency of ESX/ESXi hosts. For more information, see the VMwareVCHostDeviceLatencyMonitor policy in the *HP Operations Smart Plug-ins for Virtualization Infrastructure User Guide*.

- **Policies subject to version change**

The following policies version is upgraded to 11.14:

- 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

Release Notes

- VI-VMwareVCDatastoreSpaceUtilizationMonitor
 - VI-LinuxVirtStateMonitor
 - VI-LinuxVirtGuestCPUUtilMonitor
 - VI-VMWareVCGuestStateMonitor
 - VI-VMFSReadLatencyMonitor
 - VI-VMFSWriteLatencyMonitor
 - VI-VMwareDiskErrorMonitor
 - VI-VMwareDiskThroughputMonitor
 - VI-VMwareVMFSUtilizationMonitor
- **Defect fixes:** This patch release contains enhancements and defect fixes. For more information, see the Infrastructure SPI 11.14 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.

Release Notes

HP Operations Smart Plug-in for Virtualization Infrastructure Release Notes

Product Name	Operating system	Versions Supported	Patch/Hot fix
HP Operations Manager	Windows	9.00	OMW_00145
		8.16	OMW_00149
	HP-UX	9.10	PHSS_43123, HF_ADMINUI_20120918_148291_MULTI.zip
	Linux	9.10	OML_00057, HF_ADMINUI_20120918_148291_MULTI.zip
	Solaris	9.10	ITOSOL_00779, HF_ADMINUI_20120918_148291_MULTI.zip
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
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	11.14

Supported Virtualization Vendors/Technologies

- VMware vMA, ESX/ESXi servers, and vCenter
- IBM AIX LPARs and WPARs
- Oracle Solaris Zones
- Microsoft HyperV

Release Notes

HP Operations Smart Plug-in for Virtualization Infrastructure Release Notes

- 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 *Installation Guide (HP Operations Agent and Smart Plug-ins for Infrastructure Installation Guide)*.

Enhancements and Fixes

The following CR (identified by reference number) is 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](#).

[QCCR1A174148](#): Add a self monitoring policy for VA node in VI SPI.

[QCCR1A168490](#): Provide policies to monitor the kernel latency and the device latency of ESX/ESXi hosts.

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.

[QCCR1A163772](#): Installation of Infrastructure SPI 11.10 or above overwrites the policies in the policy group **Infrastructure Management**

Workaround: Before installing Infrastructure SPI 11.10 or above, rename the policy group Infrastructure Management. For example: You can rename the policy group **Infrastructure Management** to **Infrastructure Management 2_01**, where 2_01 is version number.

QCCR1A153840: Duplicate messages are appearing for VI-VMwareVCGuestLatencyMonitor policy.

Workaround: None

QCCR1A151626: SI-SystemDiscovery and RHEL Quick start policies are getting 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
```

QCCR1A153786: Opicle aborts when Infrastructure SPIs policies are deployed to the node.

Workaround: None.

QCIM1A171260: Alerts are not acknowledged when the system comes back to the normal state with respect to its resource utilization.

Workaround: To resolve the problem, follow these steps:

1. On the HPOM console, go to **Infrastructure Management** → **<language>** → **Virtualization Infrastructure** → **Performance** → **VMware vCenter**.
2. Go to the respective policy and click the source tab metric name under **Source** tab. This is not applicable for the VI-VMwareVCDatstoreSpaceUtilizationMonitor policy.
3. Delete the filter condition and filter value mentioned in the **Metric*** field under **Embedded Performance Component Parameters** on the **Source** tab.

For example, in the VMwareVCHostCPUUtilMonitor policy, change **CPUPhysTotalUtil__GTE__85** to **CPUPhysTotalUtil** where **<__GTE>** is filter condition and **<__85>** is filter value.

Note: The **Metric*** field currently contains data in the following format:
<MetricName>__<FilterCondition>__<FilterValue>
However, only the <MetricName> should be retained in the **Metric*** field.

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:

Release Notes

- 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.

We appreciate your 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 Virtualization Infrastructure 11.14)

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.