

# HP Operations Smart Plug-in for Virtualization Infrastructure

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

Software Version: 11.13

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## Release Notes

Document Release Date: October 2013

Software Release Date: October 2013



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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.
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This web site provides contact information and details about the products, services, and support that HP Software offers.

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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:

**[http://h20230.www2.hp.com/new\\_access\\_levels.jsp](http://h20230.www2.hp.com/new_access_levels.jsp)**

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# Contents

Release Notes .....	1
Contents .....	5
HP Operations Smart Plug-in for Virtualization Infrastructure Release Notes .....	6
What's New in This Release .....	6
Supported Environments .....	7
License for the Software .....	9
Support Matrix .....	9
Installation Notes .....	9
Enhancements and Fixes .....	9
Known Problems and Workarounds .....	9
Limitations .....	11
Documentation Updates .....	11
Localization Support .....	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:** 11.13

**Publication date:** October 2013

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 11.13:

- 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 11.13 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
	Linux	9.10	OML_000057
	Solaris	9.10	ITOSOL_00789
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	11.13

### 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.

## 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.

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**QCCR1A164022:** VI discovery on VA stops because agtrep times out.

**Workaround:** Increase the agtrep time out on the vMA or VA node by using the following command:

```
ovconfchg -ns agtrep -set ACTION_TIMEOUT 10
```

**Note:** If the VI discovery still times out, increase the agtrep time out.

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**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.

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**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
```

---

**QCCR1A162735:** On OML9.1 (RHEL 6.x) server, installation of Infrastructure SPI 11.11 does not upload 11.11 policies.

**Workaround:** To resolve the problem, follow these steps:

1. Copy the Infrastructure SPI packages from the depot to a temporary directory.
2. Run these commands on HPOM for Linux 9.1 on RHEL6.x server:

```
# mkdir /tmp/isspi1111
# cd /11.12_iso/integration/infraspi/LIN/Linux2.6_X64/
# cp HPSpi*.rpm.gz /tmp/isspi1111
# cd /tmp/isspi1111
# gunzip HPSpi*.rpm.gz
```

```
# ls -l
total 2964
-r--r--r-- 1 root root 584115 Jan 25 16:22 HPSpiCII.rpm
-r--r--r-- 1 root root 35677 Jan 25 16:22 HPSpiInfG.rpm
-r--r--r-- 1 root root 1241555 Jan 25 16:22 HPSpiSysI.rpm
-r--r--r-- 1 root root 1153267 Jan 25 16:22 HPSpiVml.rpm
# rpm -i --force --nodeps HPSpiSysI.rpm
warning: HPSpiSysI.rpm: Header V3 DSA signature: NOKEY, key ID 2689b887
# rpm -i --force HPSpiCII.rpm
warning: HPSpiCII.rpm: Header V3 DSA signature: NOKEY, key ID 2689b887
# rpm -i --force --nodeps HPSpiVmI.rpm
warning: HPSpiVmI.rpm: Header V3 DSA signature: NOKEY, key ID 2689b887
# rpm -i --force --nodeps HPSpiInfG.rpm
warning: HPSpiInfG.rpm: Header V3 DSA signature: NOKEY, key ID 2689b887
```

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

**Workaround:** None.

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## 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.

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

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