

# HP Operations Smart Plug-in for Systems 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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The title page of this document contains the following identifying information:

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- 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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# HP Operations Smart Plug-in for Systems 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 Systems Infrastructure (SI 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 Systems Infrastructure provides support for IPv6 enabled servers.
- **Policies subject to version change**  
The following policies version is upgraded to 11.16
  - SI-MemoryBottleneckDiagnosis
  - SI-CPUBottleneckDiagnosis
  - SI-DiskCapacityMonitor
  - SI-LinuxSecureLog
  - SI-GlobalCPUUtilization-AT

- SI-MSWindowsFailedLoginsCollector
- SI-CPUSpikeCheck
- SI-JavaProcessCPUUsageTracker
- SI-JavaProcessMemoryUsageTracker
- SI-DiskPeakUtilMonitor
- SI-DebianEximProcessMonitor
- SI-SwapCapacityMonitor

- **Defect fixes**

This patch release contains enhancements and fixes of the product. 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 SI 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
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 provides 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

## License for the Software

No separate license is required for the SI 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 SI SPI are documented in the *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](#).

- **QCCR1A163888:** Allow the disk capacity policy to work with numbers upto two decimal places.

## 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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### For SI SPI:

**Problem:** For Debian and Ubuntu service monitoring policies, place holder should be added in Availability policy group under Linux. For more information, see [QCCR1A153787](#)

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**QCCR1A134939:** SI-Discovery reports time out for large number of filesystems.

**Workaround:** You can increase the agtrep time out on the node using the following command:

```
ovconfchg -ns agtrep -set ACTION_TIMEOUT 30
```

---

**Problem:** Some Log monitoring policies do not work on RHEL and SLES systems running agent as non-root user.

**Workaround:** SI SPI supports policies and tools for alternative, non-root users on HTTPS agents. The following policies do not work on RHEL and SLES systems:



- SI-LinuxBootLog
- SI-LinuxSecureLog
- SI-LinuxKernelLog 2

To enable alerts for Infrastructure SPIs log monitoring on non-root agents, follow these steps:

1. Update the permission of the required log files using the following commands:

**For RHEL:**

```
chmod 444 /var/log/messages
chmod 444 /var/log/boot.log
chmod 444 /var/log/secure
```

**For SLES:**

```
chmod 444 /var/log/messages
chmod 444 /var/log/boot.log
```

2. Update the permission of OVBCCB and OPCLE processes for RHEL and SLES using the following commands:

```
chmod 4555 /opt/OV/bin/ovbbccb
chmod 4555 /opt/OV/lbin/eaagt/opcle
```

3. Switch to non-root user for RHEL and SLES by running the following command:

```
su - <non-root user name>
```

4. Restart ovc for RHEL and SLES by running the following commands:

```
ovc -stop
ovc -start
```

5. To check the status of all processes, run the `ovc` command. It displays all the processes which are up and running.

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## Limitations

- SI SPI is not supported on Virtual Appliance for VMware virtualization monitoring.
- Process monitors on Debian and Ubuntu are not localized.
- KSH updates fail on HPOM for RHEL 6.x or 7.x systems, which has Infrastructure SPIs 11.1x installed.

## Documentation Updates

The following documentation is available for SI 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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