

# HP OMi Management Pack for Infrastructure

Software Version: 1.00

HP Operations Manager i for Linux and Windows® operating systems

## Release Notes

Document Release Date: January 2015  
Software Release Date: September 2014



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The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
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## Contents

OMi MP for Infrastructure Release Notes .....	4
New Features in this Release .....	4
Installation Notes .....	6
Known Problems and Workaround .....	7
Limitation .....	11
Documentation Updates .....	12
Localization and Globalization .....	13
Send Documentation Feedback .....	15

# OMi MP for Infrastructure Release Notes

For the HP Operations Manager i for Linux and Windows ® operating systems

**Software version:** 1.10

**Publication date:** January 2015

This document is an overview of the changes made to HP OMi Management Pack for Infrastructure (OMi MP for Infrastructure). It contains important information that is not included in books or Help. You can find information about the following in this document:

["New Features in this Release"](#)

["Installation Notes"](#)

["Known Problems and Workaround"](#)

["Documentation Updates"](#)

["Localization and Globalization"](#)

## Support Matrix

For information about the installation requirements and compatibility with other products, see the *OMi Management Pack for Infrastructure Support Matrix*. The support matrix may be updated between releases, and so is only available at the HP Support web site:

<http://support.openview.hp.com/selfsolve/document/KM323488>

## New Features in this Release

contains the following new features:

- **Debian Process Monitoring**

The General System Services Availability Aspect monitors the availability of system services and processes. This Aspect monitors Apache, Cron, Exim, Internet Service Daemon (InetD), Named, Network File System (Nfs), NetBIOS Message Block Daemon (Nmbd), Samba, and Single Sided High Density (Sshd) processes running on Debian operating systems.

For more information about Debian process monitoring, see *General System Services Availability Aspect* section in the *OMi Management Pack for Infrastructure Online Help*.

- **Security Monitoring**

Security Monitoring is used to prevent unauthorized users to log in to your system by typing different combinations of username and password. To identify and preempt such a risk, User Logins Aspect checks the number of failed logins and last logins on your system.

For more information about User Logins Aspect, see *User Logins* section in the *OMi Management Pack for Infrastructure Online Help*.

- **Hardware Monitoring**

The Server Hardware Fault Aspect monitors the health and status of the HP ProLiant servers. It monitors the Simple Network Management Protocol (SNMP) traps generated by the Systems Insight Manager (SIM) agent and send alert messages to the HP Operations Manager (HPOM) console.

For more information about policies used for Hardware monitoring, see *Server Hardware Fault Aspect* section in the *OMi Management Pack for Infrastructure Online Help*.

- **Oracle Solaris Zones Monitoring**

The Oracle Solaris Zones Monitoring contains Aspects which monitors the guest resources and performance, and host resource utilization in a virtualized environment.

For more information about Oracle Solaris zones monitoring, see *OMi Management Pack for Infrastructure Online Help*.

- **IBM Power Virtualization Monitoring**

IBM Power Virtualization monitoring contains Aspects which monitors the guest availability, frame memory and CPU utilization, and guest performance in a virtualized environment.

For more information about IBM Power Virtualization Monitoring, see *IBM Power Aspects* in *OMi Management Pack for Infrastructure Online Help*.

- **Consolidated and Content Pack release**

With this version, the includes Infrastructure Content Pack components. It is a single pack containing Management Templates, Aspects, Policy Templates, Health Indicators (HIs), Event Type Indicators (ETIs), Topology Based Event Correlation (TBEC) Rules, Tools, and Graph Templates.

The Indicators - HIs, Event Type Indicators (ETIs), and Correlation Rules analyze and categorize the events occurring in the systems and report the health status.



For more information about Infrastructure Management Pack and Content Pack, see *Components of OMi MP for Infrastructure* section in *OMi Management Pack for Infrastructure Online Help*.

## Installation Notes

The OMi MP for Infrastructure is available in the OMi MP for Infrastructure DVD (MPDVD) and also through electronic media (e-media). The OMi MP for Infrastructure DVD and e-media contains the software and the product documentation. You can use the MPDVD to install the OMi MP for Infrastructure on Windows or Linux BSM servers.

For information about installing the OMi MP for Infrastructure, see the *OMi MP for Infrastructure Installation Guide*. The MPDVD and e-media are available for English and Non-English locale environments. You can use the appropriate installation media based on your locale requirements.

The following table provides information about the documentation available in the MPDVD and e-media.

Document	Location
Installation Guide	Available in the MPDVD and e-media at the following location: <MPDVD>\DOCUMENTATION\en
Online Help	Available in the BSM console <b>Help</b> menu. From the BSM console, go to <b>Help &gt; BSM Help &gt; Application Administration &gt; Operations Management &gt; OMi Management Pack for Infrastructure</b> Available in the OMi console  menu From the OMi console, go to  <b>&gt; General Help &gt; Administration Guide &gt; Management Packs &gt; OMi Management Pack for Infrastructure</b>
PDF version of the Online Help	<MPDVD>\DOCUMENTATION\en
Release Notes	<MPDVD>\DOCUMENTATION\en

## Known Problems and Workaround

The reference number for each defect is the change request (QCCR) number. For more information about defects, visit [HP Software Support Online](https://softwaresupport.hp.com), or contact your HP Support representative directly.

**Title:** Installation of OMi Management Pack for Infrastructure on the BSM 9.25 system fails.

**Description:** Installation of OMi Management Pack for Infrastructure Media on the BSM 9.25 system fails.

**Solution:** To resolve this problem, install the **BSM 9.25 patch for OMi Management Pack** following these steps:

1. Launch the HP Software Support - <https://softwaresupport.hp.com> and Sign in.
2. Click **Search**.
3. Select the relevant product, version and operation system (for example, Application Performance Management (BAC) > 9.25 > Windows).
4. Under **Document Type**, select **Patches**.
5. Locate the **BSM 9.25 Patch for OMi Management Pack**.
6. Follow the installation instructions in the README.txt file in the patch package.

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**Title:** BSM Online Help does not appear.

**Description:** BSM Online Help is not accessible when a BSM 9.2x system with OMi Management Pack for Infrastructure already installed is upgraded to BSM 9.25.

**Solution:** To resolve this problem, install the **BSM 9.25 patch for OMi Management Pack** by following these steps:

1. Launch the HP Software Support - <https://softwaresupport.hp.com> and Sign in.
2. Click **Search**.
3. Select the relevant product, version and operation system (for example, Application Performance Management (BAC) > 9.25 > Windows).
4. Under **Document Type**, select **Patches**.
5. Locate the **BSM 9.25 patch for OMi Management Pack**.

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**Title:** When deploying Aspects, it is difficult to identify the instance of FileSystem belonging to the node (**QCCR1A150953**).

**Description:** You are not able to distinguish the FileSystem Configuration Item (CI) type when multiple, similar nodes, or FileSystems are discovered.

**Workaround:** To distinguish the FileSystem CIs for multiple nodes, follow these steps:

1. Go to **Admin > RTSM Administration > Modeling > CI Type Manager**.
2. In the CI Type Manager window, from the CI Types pane select **Managed Object > Configuration Item > Infrastructure Element > Node Element > FileSystem**.
3. In the right pane, select **Default Label** tab.
4. In the CI Type Label Definition format, add **user\_label** to **mount\_point|root\_class**.

For example, `user_label|mount_point|root_class`

5. Click **Save**.

---

**Title:** Process monitoring policies appear with default message, XXX process is not running (QCCR1A172079).

**Description:** All process monitoring policies appear with default message, XXX process is not running. The message appears even though the CPU utilization or memory usage of the process condition is met or violated.

**Workaround:** To eliminate the error message, follow these steps:

1. Open the Policy Template:

**Admin > Operations Management > Monitoring > Management Templates & Aspects**

Select the appropriate Policy Template.

2. In the Policy Related Information window, go to **Defaults Tab**. Click **Start Actions** tab. The Start Actions Tab opens.
3. Replace the text mentioned in the **Title** field with the below text:

```
<$SESSION(PROCESSNBRAVAILABLE)> processes "<$SESSION(PROCESSNAME)>" with  
parameter "<$SESSION(PROCESSPARAMETERS)>" are not running. Expected: <$SESSION  
(PROCESSMODE)><$SESSION(PROCESSNBREXPECTED)> process. CPU usage: <$SESSION  
(PROCESSCPUUSAGE)>, expected: <$SESSION(PROCESSCPUMONMODE)> <$SESSION  
(PROCESSCPUUSAGEEXPECTED)>.Memory usage: <$SESSION(PROCESSMEMUSAGE)>, expected:  
<$SESSION(PROCESSMEMMONMODE)> <$SESSION(PROCESSMEMUSAGEEXPECTED)>. [Policy:  
<$NAME>]
```

4. Click **End Action** tab. The End Action tab opens.
5. Replace the text mentioned in the **Title** field with the below text:



<\$SESSION(PROCESSNBRAVAILABLE)> processes "<\$SESSION(PROCESSNAME)>" with parameter "<\$SESSION(PROCESSPARAMETERS)>" are running. CPU usage: <\$SESSION(PROCESSCPUUSAGE)>. Memory usage: <\$SESSION(PROCESSMEMUSAGE)>. [Policy: <\$NAME>]

6. Save the policy.

---

**Title:** IBM Hardware Management Console (HMC) toposync does not populate the CIs discovered by Virtual Infrastructure Discovery (**QCCR1H90348**).

**Description:** The CIs discovered by Virtual Infrastructure Discovery are not populated by IBM HMC toposync.

**Workaround:** You must add the product name as **ibm\_power\_hypervisor** in the enumeration **product\_name\_enum**. To add the product name, follow these steps:

1. Go to **Admin > RTSM Administration > CI Type Manager > CI Types > System Type Manager**. The System Type Manager dialog box appears.
2. Double-click **product\_name\_enum** and click **Apply**. The Update List Definition appears.
3. Add **ibm\_power\_hypervisor** to the list and click **OK**.

---

**Title:** Operations agent 11.13 cannot detect Red Hat High Availability add-on 6.3 (RedHat cluster suite) (**QCCR1A169126**).

**Description:** Operations agent does not detect the Red Hat Advanced Server (RHAS) cluster environment. When you run **ovclusterinfo -a** command, an error message appears.

**Workaround:** Apply hotfix **QCCR1A169126** on the HP Operations Agent 11.13.007 on the RHAS Cluster environment.

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**Title:** System Infrastructure Discovery fails on Debian Node.

**Description:** System Infrastructure Discovery fails on Debian Node.

**Workaround:** To monitor CIs related to the corresponding node, follow these steps on the BSM server:

1. Create a folder named **Linux\_DEB** on the BSM Server at the following locations.

**For Linux:**

/var/opt/OV/shared/server/tmp/deployment/instrumentation/SystemsInfrastructure/  
Unix

**For Windows:**

%OvDataDir%\shared\server\tmp\deployment\instrumentation\SystemsInfrastructure\  
Unix

**Note:** If the above folder is not available on the BSM server, then first deploy **System Infrastructure Discovery** on any non-Debian node and proceed with the steps.

2. Copy **GetLogfileName.sh** and **ispi-ovperl** files from Linux folder into **Linux\_DEB** folder:

**For Linux:** `cp Linux/* Linux_DEB/`

**For Windows:** `copy Linux\* Linux_DEB\`

3. Deploy the **System Infrastructure Discovery** Aspect on the node.
4. Verify if files are present at the below location on the Debian node:

`/var/opt/OV/bin/instrumentation`

On successful run of System Infrastructure Discovery, all the CIs related to the corresponding node will appear in Run Time Service Model (RTSM).

## Limitation

- Some of the nested resource pools may not be discovered due to failure in getting Universally Unique Identifier (UUID) of parent resource pool. For more information, see **QCCR1A162251**.

## Documentation Updates

The first page of this document identifies the:

- Version number for the software.
- Software release date.

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