

# HP OMi Management Pack for Infrastructure

Software Version: 1.10

HP Operations Manager i for Linux and Windows® operating systems

## Release Notes

Document Release Date: January 2015  
Software Release Date: September 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 2014 - 2015 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 Microsoft group of companies.

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 web site at: <https://softwaresupport.hp.com>

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

HP Software 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 <https://softwaresupport.hp.com> and click **Register**.

To find more information about access levels, go to: <https://softwaresupport.hp.com/web/softwaresupport/access-levels>

## HP Software Solutions & Integrations and Best Practices

Visit HP Software Solutions Now at <https://h20230.www2.hp.com/sc/solutions/index.jsp> to explore how the products in the HP Software catalog work together, exchange information, and solve business needs.

Visit the Cross Portfolio Best Practices Library at <https://hpln.hp.com/group/best-practices-hpsw> to access a wide variety of best practice documents and materials.

# Contents

|   |    |
|---|----|
| OMi MP for Infrastructure Release Notes ..... | 5  |
| New Features in this Release .....            | 5  |
| Installation Notes .....                      | 7  |
| Known Problems and Workaround .....           | 8  |
| Limitation .....                              | 12 |
| Documentation Updates .....                   | 13 |
| Localization and Globalization .....          | 14 |
| 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

OMi MP for Infrastructure 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 MP 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 MP 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 MP 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 MP 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 MP for Infrastructure *Online Help*.

- **Consolidated OMi MP for Infrastructure and Content Pack release**

With this version, the OMi MP for Infrastructure 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* section in the OMi MP for Infrastructure *Online Help*.

## Installation Notes

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

For information about installing the OMi MP for Infrastructure, see the *HP OMi MP for Infrastructure Installation Guide*.

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

| Document           | Location  |
|--------------------|---|
| Installation Guide | <b>DOCUMENTATION\en\guides</b>  |
| Online Help        | <p>Available in the BSM 9.2x console <b>Help</b> menu.</p> <p>From the BSM console, go to <b>Help &gt; BSM Help &gt; Application Administration &gt; Operations Management &gt; OMi Management Pack for Infrastructure</b>.</p> <p>Available in the OMi 10.x console  menu</p> <p>From the OMi console, go to  <b>&gt; General Help &gt; Administration Guide &gt; Management Packs &gt; OMi Management Pack for Infrastructure</b>.</p> |
| User Guide         | <b>DOCUMENTATION\en\guides</b>  |
| Release Notes      | <b>DOCUMENTATION\en\releasenotes</b>  |

## 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.

---

**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**.

---

**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.

---

**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.

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 and Globalization

Localization is the process by which software applications are adapted to suit a specific local market or *locale*. Globalization is the process of designing products or services for the global marketplace so that they can be sold anywhere in the world with only minor revision.

HP supplies localized software in these languages:

- English
- Japanese
- French
- Spanish
- Simplified Chinese
- Korean
- Dutch
- Russian

HP supplies localized documentation in these languages:

- English
- Japanese
- Simplified Chinese

# Send Documentation 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 (OMi Management Pack for Infrastructure 1.10)**

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](mailto:docfeedback@hp.com).

We appreciate your feedback!