HP Operations Manager i

Software Version: 10.00

Release Notes

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Operations Manager i Release Notes

Software version: 10.00

Publication date: January 2015

This document is an overview of the changes made to Operations Manager i (OMi).

You can find information about the following in this document:

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"Installation " on page 15

"Notes and Limitations" on page 16

"Documentation Errata" on page 22

Support Matrix

For information about supported environments and compatibility with other products, see the Operations Manager i 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

Installation News

- **Simplified product installation and configuration.** The installation and configuration wizards have been redesigned to make the installation and configuration tasks easier and quicker. The configuration wizard now offers an express configuration option, which installs the embedded PostgreSQL database and uses default values for all other configuration options.

  The OMi product installation also installs Monitoring Automation and, optionally, User Engagement, which have been merged into OMi 10.00. You can also optionally install OMi Management Packs.

  The installation documentation is now interactive: you can select how you want to install or upgrade and then only see the instructions for your selected scenario. For details, see the OMi Installation and Upgrade Guide.

- **PostgreSQL database support.** OMi 10.00 offers true single-server deployment with the embedded PostgreSQL database for smaller environments.

  Multi-server deployment with a separate PostgreSQL database for larger deployments is also supported. For details, see the OMi Database Guide.

- **Upgrade from BSM 9.24 and later.** You can upgrade to OMi 10.00 from BSM 9.24 and later. Both in-place and side-by-side upgrades are supported. The upgrade migrates all of you data while keeping the downtime to a minimum. For details, see the OMi Installation and Upgrade Guide.

User Experience

- **Improved UI navigation.** The OMi 10.00 UIs have been adapted to use the web browser's navigation features such as back and forward navigation, bookmarks, history, refresh, full screen, and more. The operational UIs have been refreshed with a new look and feel. The OMi 10.00 menus haven been restructured and simplified. You can now search for a specific menu item. Smart navigation remembers your selection. You can open UIs in multiple tabs and can therefore compare results is different UIs.

  See also **User Guide > Introduction > Navigating and Using OMi** in the OMi Online Help.

- **Discover OMi.** An interactive exploration map that enables you to explore OMi step-by-step, following predefined paths and learning OMi features along the way. The map begins with an interactive tutorial. Each step offers built-in information as well as links to additional resources, for example, the related UI page, online help, or videos. Discover OMi tracks your progress so that you are aware of the areas you have already visited, shows fast path and advanced topics. It is easy to use, and offers built-in self-explanatory help.

  See also **User Guide > My Workspace > Monitoring Your Environment With My Workspace > Predefined Pages** in the OMi Online Help, and **Workspaces > Operations Console > Discover OMi** in OMi 10.00.

- **User management: roles and permissions.** In OMi 10.00, you assign permissions to user roles,

and then assign the roles to individual users or groups of users. This reduces the effort and complexity involved in assigning permissions directly to user or groups.

The Users, Groups, and Roles UI guides you through the user management workflow. See also **Administration Guide > Users > Users, Groups, and Roles** in the OMi online help.

- **My Workspace.** In OMi 10.00, MyBSM has been renamed My Workspace but still offers the same features as MyBSM. You see Service Health components showing RTSM views, the event browser, and APM data tightly integrated into the OMi console.

  For details, see **User Guide > My Workspace** in the OMi online help.

Resilience

- **Health check.** In OMi deployments, it is important to check that the agents are running correctly, and that the server and agents can communicate with each other. This is especially important in agent installations that facilitate the integration of data from other management systems (for example, HP BSM Connector or HP SiteScope). If the agent on such a system fails, the event flow from the integration also stops.

  By default, health checking (of the type Agent & Server) is enabled for all agents monitored by OMi and, also by default, agents send heartbeat events only to their primary manager. OMi can also check the health of HP BSM Connector and HP SiteScope connected servers.

  For details, see **Administration Guide > Setup and Maintenance > Monitored Nodes > Configuring Health Checks** in the OMi Online Help.

- **Self-monitoring of OMi deployment.** OMi 10.00 introduces support for the OMi self-monitoring functionality. To ensure efficient operations, OMi keeps track of the health of its components and reports problems so that a corrective or preventive action can be taken.

  The new OMi Health Status UI page contains the health status of OMi self-monitored components, displays a list of related events, and shows how the health status of the selected object affects the health of the related objects. The new OMi Server Self-Monitoring out-of-the-box management pack contains a management template and aspects for monitoring the availability, status, and performance of individual OMi components and processes.

  For details, see **User Guide > Operations Console> OMi Health Status** and **Administration Guide > Management Packs> Management Pack for OMi Server Self-Monitoring** in the OMi Online Help.

- **Self-monitoring of agent.** OMi 10.00 provides helpful error messages and pro-active notifications for agent problems, integrated with the OMi health model.

Agent Management

- **Mass operations on remote agents.** The command-line interface opr-agt enables you to manage and configure one or more HP Operations Agents in parallel. The available options include status, start, restart, stop agents, get or set configuration variables on the agent, switch the primary manager, and deploy configuration.

  For details, see **Administration Guide > Monitoring > Command-Line Interfaces > The opr-agt Command-Line Interface** in the OMi Online Help.

- **Deployment of agent patches and hotfixes.** In OMi 10.00, you can update the HP Operations Agent that is currently installed on a monitored node to a hotfix, patch, or new base version. To install an agent package on the server, use the opr-package-manager command-line interface. To update the agents, use the Monitored Nodes UI.

  For details, see **Administration Guide > Setup and Maintenance > Monitored Nodes > Connecting HP Operations Agents to OMi > Updating HP Operations Agent Installations** in the OMi online help.

- **Switch HP Operations Agent from OM to OMi.** In OMi 10.00, you can switch the HP Operations Agent management to the OMi server. This feature is useful for the environments with multiple servers managing the same HP Operations Agent (for example, with the HPOM management server and the OMi server). The switch is executed on the OMi server by running the -switch_manager option of the opr-agt command-line interface. After the agent management switch, all health-check and license-related information is transferred and held on the OMi server now acting as the agent's primary manager. In addition, the new primary manager performs the health checking for the agent and receives all new certificate requests.

  You can also completely remove all policies from the HP Operations Agent using the -deploy -clean option of the opr-agt command-line tool. After the clean operation, other servers cannot access the agent and the policies deployed from another servers are no longer present on the agent.

  For details, see **Administration Guide > Monitoring > Command-Line Interfaces > The opr-agt Command-Line Interface** and **Administration Guide > Setup and Maintenance > Monitored Nodes > Connecting HP Operations Agents to OMi > Connecting Existing HP Operations Agent Installations** in the OMi Online Help.

- **Configuring HTTPS communication.** The OMi Administration Guide and online help now include a section on configuring HTTPS communication if the server and agents are separated by a firewall.

  For details, see **Administration Guide > Setup and Maintenance > Monitored Nodes > Configuring HTTPS Communication** in the OMi Online Help.

Policy Management

- **Enable adding policy templates from template groups.** In OMi 10.00, you can add policy templates from template groups, not just from flat lists. This enables you to search more quickly for the policy templates that you want to assign.

  For details, see **Administration Guide > Monitoring > Management Templates & Aspects > Configuring Aspects** in the OMi Online Help.

- **Assignment update.** If newer versions of a management template, aspect, or policy template exist, you can update the related assignments and automatic assignment rules to contain the newer/latest version of the assigned item. In addition, you can get an overview of all assignments/automatic assignment rules that do not contain the latest version of the assigned item and may therefore require an update by choosing to display a list of items that require an update.

  For details, see **Administration Guide > Monitoring > Assignments and Tuning** and **Administration Guide > Monitoring > Automatic Assignment Rules** in the OMi Online Help.

- **Bottom up policy update.** If a newer version of a policy template or an aspect exists, you can update the related management templates and aspects to the latest version.

For details, see **Administration Guide > Monitoring > Policy Templates** and **Administration Guide > Monitoring > Management Templates & Aspects** in the OMi Online Help.

- **MA support of customer instrumentation file tree as on HPOM.** OMi 10.00 introduces an additional possibility for configuration data import from HPOM on UNIX using the opccfgdwn command. This command enables you to select the parts of configuration that you want to download and save the data to flat files in the file system. The downloaded configuration data can then be copied to the OMi server and uploaded by using the ConfigExchange command-line interface.

  In addition, if opccfgdwn is used as the download utility, the HPOM for UNIX 8.x-style instrumentation data is automatically converted into the format compatible with OMi at the upload time.

  For details, see **Administration Guide > Monitoring > Migrating Configuration Data > Importing Configuration Data from HP Operations Manager** in the OMi Online Help.

- **MA instrumentation redeployment to multiple nodes.** In OMi 10.00, you can use the opr-jobs command-line interface to restart or list suspended and/or failed deployment jobs. Combined with the Create Suspended Deployment Jobs infrastructure setting, it is used for automating the execution of deployment jobs during maintenance time periods.

  For details, see **Administration Guide > Monitoring > Deployment Jobs** and **Administration Guide > Monitoring > Command-Line Interfaces > The opr-jobs Command-Line Interface** in the OMi Online Help.

  In OMi 10.00, you can choose between redeploying the full configuration or deploying only the configuration that was not yet transferred to the monitored nodes (performing delta deployment). For details, see **Administration Guide > Setup and Maintenance > Monitored Nodes** in the OMi Online help.

- **Additional features and usability enhancements.** OMi 10.00 introduces Monitoring Automation enhancements in order to simplify ongoing maintenance of policies, aspects and management templates and to facilitate evolution:

  - improved policy/assignment update workflow

  - instrumentation redeployment to multiple nodes

  - content pack Admin UI enhancements

  - performance and scalability improvements

External Instructions

- **External instructions.** OMi 10.00 introduces support for retrieving instructions generated by external instruction interfaces, such as knowledge bases, databases, web page, or other external sources.

  The new External Instructions UI page is provided to create and activate an instruction retrieval Groovy script. This script calls the instruction interface and retrieves the instruction text for the specified event. The options for external instructions are set in the Policy Editor. Once the policy is deployed and the specified event containing or referencing external instructions occurs, the Groovy script is executed. The event-related instructions can be viewed in the Event Browser. The instruction output can include plain text with hyperlinks or HTML.

OMi delivers a predefined content pack containing a sample instruction retrieval script and a filter for external instruction interfaces.

For details, see **Administration Guide > Operations Console > External Instructions** and **Extensibility Guide > Groovy Scripts > Development and Deployment of Scripts > External Instruction Retrieval Scripts** in the OMi Online Help.

Operations Bridge

- **Enhanced scalability.** OMi now supports ten million Configuration Items (CIs) and two million CIs with status in the Run-time Service Model (RTSM). The RTSM is now based on the HP Universal CMDB 10.11.

- **Event statistics and return on livestment.** To report on event count statistics in OMi and to map total events against correlated or suppressed events a new dashboard has been added to the dashboard library.

  See also **User Guide > Introduction > Navigating and Using OMi** in the OMi Online Help.

- **KPI Over Time page and component.** The KPI Over Time dashboard covers multiple use cases by displaying the status of each configuration item, and each instance of the attached key performance indicators (KPIs). The KPI Over Time dashboard covers multiple use-cases, enabling you to view the statuses and status summaries of selected KPIs and CIs over time. The dashboard lets you choose from a number of widgets to survey historical KPI status data and the health of the monitored environment at a glance.

  See also **Workspaces > Dashboards > KPI Over Time** in the OMi Online Help.

Content Management

- **OMi content.** Improvements to boost the breadth of our content offering and to accelerate content development.

  - Ongoing Management Pack extension

  - Ongoing Connector extension

  - Community expansion: massive extension of number of Management Packs (MPs) covering the most important metrics. Latest Management Pack releases are available for download from the HP Live Network.

- **Content Manager with HTML-based import UI.** Content Pack developers can easily find created content.

- **OMi management packs.** Management packs provide add-on infrastructure and application monitoring content for OMi. They provide end-to-end monitoring solutions to detect, monitor, troubleshoot, forecast and remediate issues in the IT domain.

  The following management packs are included in OMi10.00 and can be installed during the configuration:

- HP OMi Management Pack for Apache Web Server (1.0)

- HP OMi Management Pack for Hadoop (1.1)

- HP OMi Management Pack for IBM WebSphere Application Server (1.0)

- HP OMi Management Pack for Infrastructure (1.1)

- HP OMi Management Pack for Microsoft Active Directory (1.0)

- HP OMi Management Pack for Microsoft Exchange Server (1.0)

- HP OMi Management Pack for Microsoft SQL Server (1.0)

- HP OMi Management Pack for Oracle Database (1.1)

- HP OMi Management Pack for Oracle WebLogic (1.01)

- HP OMi Management Pack for SAP (1.0)

- HP OMi Management Pack for SAP HANA (1.0)

- HP OMi Management Pack for SAP Sybase ASE (1.0)

- HP OMi Management Pack for Vertica (1.0)

Check HP Live Network for later versions. For more information about the management packs, see the management pack documentation and release notes, available from Self-Solve Knowledge Search.

Platform Support

With OMi 10.00, the following are newly supported:

- **Management Server Platform**

Red Hat Enterprise Linux	7.x

- **Client Browser**

Web Browser	Safari 7.x (Mac OS)

- **Database - external on separate system**

PostgreSQL	9.3

- **Database - embedded on OMi system**

PostgreSQL	9.3

The complete OMi 10.00 Support Matrix is available at:

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

BSM-APM 9.25 Integration

- **BSM-APM 9.25 capabilities.** Business Service Management (BSM) systems include Application Performance Management (APM) applications such as Real User Monitoring (RUM), Business Process Monitor (BPM), and Service Level Management (SLM). To integrate an APM 9.25 application with OMi 10.00, you need to integrate BSM 9.25 with OMi 10.00. This integration provides the following features:

  - APM health (KPI and HI status) and events are forwarded to OMi

  - OMi performance graphs show APM metrics stored on APM systems

  - User interface cross-launch: APM MyBSM user interface components can be directly integrated into OMi 10.00 workspaces to view detailed APM information

  - Topology synchronization between APM and OMi systems

  - Synchronization of downtime information

  For more information, see the APM chapter of the OMi Integrations Guide.

BSM Connector

- **BSM Connector.** A powerful technology to integrate 3rd party data into OMi, is now open to also integrate into SHR and Operations Analytics. BSM Connector 10.00 now features reduced application footprint, easier maintenance, simplified installation and configuration, and improved performance.

  For details on changes in the installation and configuration, see the HP BSM Connector Installation and Upgrade Guide.

- **New metric channel.** Metrics management is modified. Metrics are now stored on the BSM Connector system and are no longer automatically forwarded to OMi, which results in improved performance. The structure of the HP BSM Connector metric polices is changed in 10.00: now they support also the metric defaults and rules and it is easier to manage attributes.

  Metrics can now also be collected from XML files.

- **New topology channel.** BSM Connector 10.00 supports collecting topology data from XML files and through the REST Web Service Listener, therefore various legacy collection methods are no longer in use. Discovery scripts are no longer part of the policies, the processing is moved to the OMi server and BSM Connector can now forward either complete topology data or only topology changes. Managing data from simple topology environments is simplified and synchronization packages are needed only for complex topologies.

- **Improved data collection from databases.** In BSM Connector 10.00 you can now use more complex SQL queries instead of a limited set of statements supported in BSM Connector 9.x.

Additionally, initial value statements and session variables are supported, giving you more flexibility when collecting event and metric data from databases.

- **Improved data collection from web services.** Collecting data from Web services is now easier, faster and more efficient due to replacing the protocol for accessing the Web services. Instead of using SOAP messages, BSM Connector 10.00 now uses the REST protocol, which offers more flexibility and security.

- **Improved data collection from log files.** In BSM Connector 10.00 the structured log file policies replace the log file policies from BSM Connector 9.2x. With structured log file policies you can easier manage the event and metric data collected from log files because the extracted data is now structured by using the OM pattern-matching language, instead of regular expressions. The log file structure is defined in such a way so that the dynamic parts of the text-based events can be extracted from any log file row, assigned to variables, and then used as parameters to build the event description or to set other attributes.

  Log files can now be collected only locally on the system.

For a detailed list of changes in the policies after the upgrade, see the section "Validate the Upgraded Policies" in the *HP BSM Connector Installation and Upgrade guide*. To display this section, select the option "Upgrade from HP BSM Connector 9.2x" on the initial page.

Documentation

The OMi 10.00 documentation has been enhanced as follows:

- **HTML5 online help.** Online help in HTML5 format for new look and feel and better search capabilities. the scope of the search can be limited to the Administration, User, Extensibility, and RTSM sections of the help.

- **Interactive installation and upgrade guide.** This guide enables you to specify the type of installation or upgrade that you want to perform and then view or print a customized guide, which includes only the requirements and tasks that apply to you.

  You can select only the combinations of options that are supported. Therefore, as you make your selections, you may notice that some options disappear or become unavailable. For information, see the OMi Installation and Upgrade Guide.

- **Videos.** OMi how-to videos are available on HP Videos. You can find them at OMi Tutorials on the HP Live Network.

- **Links to UIs.** Links from the online help to the UIs to bridge the gap between the help and the UI, and provide quick access from the documentation to OMi.

- **Redesigned documentation set.** Reduced the number of documents to one OMi Administration Guide, an OMi User Guide, the OMi Extensibility Guide, and the OMi Concepts Guide. The RTSM documentation set has been updated without changing the scope of the documents.

- **Slideshows.** Intuitive slideshows to demonstrate product functionality; for example, view the agent health check slides in the online help at:

  Administration Guide > Setup and Maintenance > Monitored Nodes > Configuring Health Checks > Agent Only Checking

- **QR code.** Check out the QR code on the last page of each OMi document!

Changed Features in this Release

- **Groovy 2.2.1.** Groovy has been updated to version 2.2.1. The new Groovy features can now be used in your scripts. In some cases, scripts might need to be updated due to Groovy 2.2.1 syntax changes.

  For details on debugging Groovy scripts, see **Extensibility Guide > Groovy Scripts > Best Practices** in the OMi Online help.

- **Event API changes.** The event API has changed for the type `com.hp.opr.api.scripting.Event`. The return types of its methods `getAssignedUserId()` and `getAssignedGroupId()` as well as the parameters of the methods `setAssignedUserId(userID)` and `setAssignedGroupId(groupID)` have changed from numerical values to the type `UUID`.

  In Groovy scripts, you can use the keyword `def` to declare variables to be used with these methods. Usage of types `int` or `long` with these methods will lead to errors (`GroovyCastException`).

- **Event Filter: exists text operator.** The new exists operator displays any event that contains a custom attribute of the specified string. For example, **Sample exists** displays all events that contain the custom attribute Sample.

- **Export to PDF.** The Export to DPF button has been removed.This affects several UI components, including Downtime Management, Business Rules, KPIs, Context Menus, KPI and Health Indicator customizations per CI.

- **JMX console port change.** The URL to the JMX console for the application server has changed to `http://localhost:29000`. In OMi 10.00, all HTTP JMX consoles can only be accessed locally.

  For details on the JMX console, see **Administration Guide > Additional Configuration > JMX Console** in the OMi Online Help.

  For details on OMi ports, see **Administration Guide > Additional Configuration > Port Usage** in the OMi Online Help.

Installation

The OMi 10.00 Installation files are in the following location:

`HP_OMi_10.00_for_Linux.zip`

`HP_OMi_10.00_for_Windows.zip`

For steps to install Operations Manager i, see the Operations Manager i Installation and Upgrade Guide:

1. Unpack the .zip file for the OMi 10.00 installation and documentation.
2. Open the `Documentation` folder.
3. Double-click `HP_OMi_Installation_and_Upgrade_Guide.htm` to open the OMi 10.00 Installation and Upgrade Guide in a web browser.

The Operations Manager i Installation and Upgrade Guide contains the hardware and software requirements for OMi.

Notes and Limitations

Problems and limitations are identified with a change request (QCCR) number. For more information about open defects, visit https://softwaresupport.hp.com, or contact your HP Support representative directly.

OMi

Title: OMi10.00 User Engagement: achievements are not triggered through event processing (QCCR8D34746)

Description: In some cases, the achievements for User Engagement are not triggered. The cause is that notifications about achievements remain in an internal queue.

Workaround: Disable and enable User Engagement participation of the affected user.

Title: Missing default value for the management database in the configuration wizard (QCCR8D36058)

Description: In the configuration wizard, the default name for the management database (for SQL Server, Oracle, and PostgreSQL databases) is missing.

Workaround: Enter the value manually in the wizard, for example `mgmt`. The default values for the RTSM and event databases are set up correctly.

Title: OMi10.00 localization: Multi Language User in **Administration > Setup and Maintenance > Infrastructure Settings** (QCCR8D36017)

Description: The RTSM section of the foundation settings in the Infrastructure Settings are localized to the locale of the server instead of the client locale.

Title: Node Editor: DNS lookup never ends for NXDOMAIN (QCCR8D35989)

Description: When entering a non-existing host name or domain name in the node editor in the Monitored Nodes UI, the progress indicator will stay and no error message is shown.

Workaround: Check the host name or domain name. After entering the correct name or after reloading the UI using the browser's reload functionality, the UI will return to a normal state.

Title: Unable to draw graph for a CI when SYSTEMNAME is passed as IP address and INSTANCE is passed as Fully Qualified Domain Name (FQDN) of the host. (QCCR1A90579)

Description: The Graphing component is unable to draw a graph for a CI when SYSTEMNAME is passed as IP address and INSTANCE is passed as Fully Qualified Domain Name (FQDN) of the host.

Title: Unable to add metrics in Performance Graph Designer wizard to draw graphs when a CI is monitored by multiple data sources. (QCCR1A177733)

Description: If you design a graph for a CI monitored by multiple data sources in Performance Graph Mapping, only one data source is listed. It is not possible to add metrics from all the data sources of the CI in Performance Graph Designer wizard. Multiple data source listing is not supported in the Performance Graph Designer wizard.

Workaround:

1. Go to **Applications > Operations Management > Performance Perspective**.

2. In the **View Explorer** pane, select the CI monitored by multiple data sources.

3. In the **Performance Pane**, select the Data Source.

4. Draw a graph and click the option **Configure** from the drop-down in the drawn graph. Metrics can now be added for the graphs.

Title: When launching performance graphs (CI) from a VMware event, the graphs show metrics for VMs with similar names (QCCR1A118759)

Description: When a user launches a graph for a Virtual Machine CI, graphs are drawn for all the virtual machine CIs that have similar names.

Workaround: Close the graphs for unwanted virtual machine CIs.

Title: Graph Family Name is case insensitive. (QCCR1A177763)

Description: If you create a graph under a graph family name that already exists, but with a different case, the graph is created under the existing graph family name only. For example, assume a graph family name ABC already exists. If you create a graph under a graph family name called abc, the graph is added to the existing family ABC only. A new graph family abc is not created.

Title: Upgrade / Data Migration: The operating system of the connected servers is not migrated (QCCR8D35820)

Description: After upgrading to OMi10.00, no operating system is set on any of the Connected Severs

Workaround: When activating the migrated connected servers, check whether their operation system setting is correct.

Title: It is not possible to install the Data Flow Probe on Red Hat Enterprise Linux 7 (QCCR1H97547)

Description: It is not possible to install the Data Flow Probe on Red Hat Enterprise Linux 7.

Workaround: Before installing the Data Flow Probe (DFP), create a symbolic link from libsasl2.so.3.0.0 to libsasl2.so.2, so the PostgreSQL 9.2.2 of the DFP will find the libsasl2 library. Example:

```
cd /usr/lib64/

ln -s ./libsasl2.so.3.0.0 ./libsasl2.so.2
```

This will create the symbolic link.

Title: Upgrade to single server environment: Dashboard pages are missing (QCCR8D36140)

Description: Dashboard pages are missing because 9.2x UI components that are built in are removed during the upgrade. The new OMi components are uploaded later in the process. Because of a dependency of the dashboard pages to one of those deleted OMi components an error occurs.

1. Go to `<OMi_HOME>/HPBSM/conf/uimashup/import/errors`.
2. Copy all files from Components, Events, Pages to ../toload/Components, Events, Pages
3. Restart OMi or call the JMX method on your gateway server at `http://localhost:29000`, search for the UIMDataLoader, execute start() method)

Title: LDAP: The user can configure a system with no working superadmin (recoverable only via the JMX console) (QCCR8D36118)

Description: If mixed mode authentication is disabled and

- either no LDAP user with super admin permissions exists on the system
- or LDAP super admin user exists, but all LDAP connections have been disabled,

it is possible to enable the mixed mode again through the JMX console.

Workaround: Enable the mixed mode authentication through the JMX console to access OMi with the built-in admin:

- Access the JMX console directly on the server with `http://localhost:29000` and log in as admin
- Select `Foundations:service=users-remote-repository`
- Set the value true for the attribute `IsMixedAuthenticationModeEnabled`

Log in to OMi with the built-in admin or any other local super admin user.

Title: LDAP: It is not supported to create separate local OMi users who have the same log in name as LDAP users (QCCR8D36157)

Description: It is not supported to create separate local OMi users who have the same login name as LDAP users if these LDAP users log in to OMi.

Workaround: When configuring LDAP configurations in OMi ensure that no local OMi users exist that have the same log in name as the UUID attribute of the LDAP users that are supposed to log in to OMi.

Title: Apache does not start up if VCRedist is missing (QCCR8D36160)

Description: This only applies to Windows systems where Apache is used as seb server within OMi.

Workaround: Install "Microsoft Visual C++ 2008 Redistributable Package (x86)" before you configure OMi.

1. Open a browser and point it to `http://download.microsoft.com`
2. Search for "Microsoft Visual C++ 2008 Redistributable Package (x86)" in the search bar
3. Download "Microsoft Visual C++ 2008 Redistributable Package (x86)". The downloaded file is usually called vcredist_x86.msi.
4. Install vcredist_x86.msi.

Title: Scripts provided to database administrators providing database schemata for use by the OMi

installation fail, because the configuration wizard does not allow default tables in RTSM schema (QCCR8D35683)

Description: For the case where the users installing OMi do not have permission to access the database, some scripts are provided with the OMi installation to generate these databases. These script files can be sent to the database administrators, who use them to import the tables. Afterwords the user installing OMi is able to connect to the schemata with the option **Connect** in the configuration wizard.

While attempting to connect to the databases, the Configuration Wizard fails with the message:

```
Operation failed. See log files for details.
```

```
Details:
```

```
com.mercury.infra.configserver.exception.InvalidSchemaException: The specified
schema is not valid!
```

Workaround: There is no workaround available.

Title: User Engagement: Reset Participant Data does not reset the average activity count in Experts Scoring (QCCR8D35551)

Description: When configuring User Engagement, the Reset Participant Data action deletes all completed achievements and progress information for all participants, but does not reset the average activity count information in the Experts Scoring administrative page.

Workaround: The average activity count information for a specific activity can be reset when

- all participants that have completed the corresponding activity delete their history in their Privacy settings

or

- the User Engagement administrator resets the participant data for each participant who has completed the corresponding activity, by editing each participant individually

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Management Packs

Title: SAP System CI duplication when discovered with OMi Management Pack for SAP (QCCR8D34125)

Description: SAP System CI fails to reconcile for SAP ABAP and SAP J2EE domain, with discovery from OMi10.00Management pack for SAP For more information, see QCCR8D34125 for OMi Management Pack for SAP.

Workaround: : Enable the enrichment rule **SapSystemReconciliation**. Follow these steps:

- Go to Administration > RTSM Administration > Modeling > Enrichment manager.
- Go to SAP folder under Root > Operations Management
- Select enrichment rule **SapSystemReconciliation** and click on Properties
- Go to **Rule General Attributes**, select the check box **Rule is Active** and save the rule

See the individualOMi10.00 Management pack release notes for more details on a particular OMi10.00 Management Pack, available on https://softwaresupport.hp.com.

BSM Connector

Title: BSM Connector: oacore process aborts occasionally (QCCR1A182973)

Description: When configuring a collection connecting to a node with BSMC 10.00, one of the BSMC related processes aborts (oacore). This will cause BSMC to stop serving metric data to any clients.

Workaround: Contact HP support to get a hotfix for QCCR1A182973. Install this hotfix on all of your BSMC 10.00 nodes.

Title: BSM Connector: Event is not sent with closed status if "Send with closed status" option is updated on "Defaults" page (QCCR8D36082)

Description and Workaround: A problem exists when attempting to override a default value set for event attribute 'Send with closed status' in a policy rule:

1. If the default value is a '1' which means 'Send with closed state', a rule cannot disable this setting since no '0' can be entered. In this case, enter the string 'false' instead to disable the default setting.

2. If the default value for 'Send with closed state' is a data or mapping reference, a rule cannot disable this setting since no '0' can be entered. In this case, enter the string 'false' instead to disable the default setting.

3. If the default value for 'Send with closed state' is changed from '0' to '1' in an existing policy containing rules, the setting is ineffective since it is not automatically applied to each rule.

4. If a rule does not explicitly set the value for 'Send with closed state', it is assumed to be disabled. In such a policy, OMi events in state 'open' will still originate from these rules. In this case, explicitly set the value of 'Send with closed status' in the rules that should generate OMi events in closed state.

Title: BSM Connector **Standalone installation only**: Linux: Preparation for standalone configuration fails (QCCR8D36134)

Description: When configuring BSM Connectorfor **standalone usage** on Red Hat Enterprise Linux 7, the delivered script 'prep_bsmc_sa.sh' fails. This is caused by the fact the pre-built openssl binary cannot run since RHEL 7 does not include required dependent libraries.

Workaround: Install the required dependent libraries using a package manager of your choice. The libraries are available on the **Red Hat Enterprise Linux 7** distribution DVD or the Red Hat customer web site. The required libraries can then be installed using the command

yum install libstdc++*i686*

After the installation of the dependent packages has finished, 'prep_bsmc_sa.sh' can be successfully executed.

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.

Documentation Errata

OMi

The following documentation items are incorrect:

Title: Help links to OMi User interfaces do not work if the system is configured with context root (QCCR8D36114)

Description: On an OMi instance which is configured with context root, the following can happen:

1. Open the general help and navigate to a page which has link to an OMi user interface, for example **Administration Guide > Operations Console > View Mappings > How to map a view to a configuration item type**
2. Click on the link View Mappings as shown in the screen shot.
3. See that the 404 error is being shown as the link is not taking over the context root.

Title: The Help menu in the RTSM Administration UI pages contains links to UCMDB help pages

Description: The Help menu in the RTSM Administration pages contains four links to UCMDB help pages: UCMDB Help, Universal Discovery and Integrations Content Help, UCMDB Best practices, and UCMDB Class Model.

Clicking on these links opens a dialog window with links that do not work.

Workaround: To display the RTSM help, click the OMi Help button and select **General Help**. In the OMi Help table of contents, select **RTSM guides**.

Title: Some links in the RTSM Help do not work

Description: The 404 error is shown in when you:

- Try to open the topic **RTSM Guides** > **Introduction** > **Run-time Service Model (RTSM)** > **Log files**
- Click on the link **Show me** in the topic **RTSM Guides** > **Modeling** > **Modeling** > **Modeling Studio** > **How to define report settings**.

Localization

HP supplies Operations Manager i 10.00 localized software in these languages:

- English en
- French fr
- German de
- Japanese ja
- Korean ko
- Russian ru
- Simplified Chinese zh_CN
- Spanish es

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Feedback on Release Notes (Operations Manager i 10.00)

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 ovdoc-asm@hp.com.

We appreciate your feedback!

Go OMi!