HP Storage Operations Manager

Software Version: 10.01
Windows® and Linux® operating systems

Release Notes

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Acknowledgements

This product includes software developed by the Apache Software Foundation.
(http://www.apache.org)

This product includes software developed by the Indiana University Extreme! Lab.
(http://www.extreme.indiana.edu)

This product uses the j-Interop library to interoperate with COM servers.
(http://www.j-interop.org)

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.
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Contents

Storage Operations Manager Release Notes

for the Windows® and Linux® operating systems operating system.

Software version: 10.01

Publication date: June 2015

This document is an overview of the changes made to Storage Operations Manager (SOM). 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 SOM 10.01" on the next page

"Installation " on page 10

"Open Defects" on page 13

"Enhancement Requests included in this release" on page 1

"Fixed Defects in this Release" on page 1

> **Note:** This document is updated as new information becomes available. To check for recent updates, or to verify that you are using the most recent edition of a document, go to:
> https://softwaresupport.hp.com/group/softwaresupport
>
> For more information, see "Documentation Updates" on page 3.

Support Matrix

For information about the installation requirements and compatibility with other products, see the *SOM Support Matrix*.

The support matrix includes the following information:

- **Requirements**

  - Hardware
  - Operating System
  - Databases
  - Application Servers
  - Web Servers
  - Web Browsers and Plug-ins

- **Compatibility**

  - Languages
  - Internationalization Variances
  - Virtualization Products
  - High-Availability Products
  - HP Software Integrations
  - HP Software Coexistence
  - Other Software Coexistence
  - Performance and Sizing

New Features in SOM 10.01

HP Storage Operations Manager 10.01 includes the following new features and enhancements:

- New dashboards
  - Storage Systems DTT Analytics
    Forecasts the number of days to threshold values for the capacity utilization (Raw Used, Actual Allocated, and Actual Used) of storage systems.

  - Storage Pools DTT Analytics
    Forecasts the number of days to threshold values for the capacity utilization (Actual Allocated, and Actual Used) of storage pools.

  - ThP Analytics for Virtual Servers
    Forecasts the number of datastores that are susceptible to an outage of physical disk space in a VMware virtual environment.

  - Storage Systems Unused Volumes Analytics
    Displays storage that can be reclaimed at storage system and volume levels.

- UCMDB integration
  Integration of SOM with HP Universal CMDB to facilitate change management and impact analysis of storage infrastructure. For more information, see the *SOM HP Universal CMDB Integration Guide* available in the UCMDB integration package.

  For the UCMDB integration package, log on to the SOM HP Live Network web site (https://hpln.hp.com/group/storage-operations-manager-som) with your HP Passport credentials.

- Additional device support
  To use the new features for devices, install the required device bundle. The device bundle Readme file contains instructions to install or uninstall a device bundle and device-specific content.

  Download a device bundle from the SOM HP Live Network web site (https://hpln.hp.com/group/storage-operations-manager-som) with your HP Passport credentials.

  - Brocade AG - device support and performance

  - Performance packs for XP/HDS, VMAX, and NetApp 7-mode and C-mode

  - Performance pack for ESX servers

  - EMC Symmetrix VMAX Fully Automated Storage Tiering (FAST) Virtual Pools (VP)

  - Support for HP-UX without a (Common Information Model) CIM extension installed on the remote host

  - Support for Solaris with a CIM extension installed on the remote host

- Localized help in Japanese and Simplified Chinese is available from the SOM console when SOM is running in either Japanese or Chinese.

- Support for the SOM console running in the Google Chrome browser. For more information, see "Web Browsers and Plug-ins" in the *SOM Support Matrix*.

- Improved import of a discovery configuration file
  Importing a discovery configuration results in a merge with the existing configuration therefore retaining earlier settings.

- Migration from a Storage Essentials configuration to SOM
  For more information, see the *SOM HP Storage Essentials Configuration Migration Guide*.

- Enhanced monitoring group configuration
  The Create Monitoring Group option provides a way to select multiple performance collectors at a time during monitoring group creation.

- REST API support
  The Rest API integrates SOM with third-party applications such as UCMDB. The API presents SOM inventory data in XML or JSON format. User authentication and X.509 certificate -based security is embedded in the REST API framework.

- Reports
  To access the new reports in this release, install the required SOM content pack for HP Service Health Reporter (SHR). The *Storage Resource Management Reports Guide* contains instructions to install or uninstall a pack and information about its reports.

  Download a SOM content pack from the SOM HP Live Network web site (https://hpln.hp.com/group/storage-operations-manager-som) with your HP Passport credentials.

  The following new connectivity report and content packs (for performance reports) are available with SOM 10.01:

  - *HP Storage Operations Manager Content Pack for NetApp 7-Mode Performance Statistics*

  - *HP Storage Operations Manager Content Pack for HP XP and HDS Performance Statistics*

  - *HP Storage Operations Manager Content Pack for EMC VMAX Performance Statistics*

  - NAS Dependency Report – *HP Storage Operations Manager Content Pack for End-to-End Connectivity*

  The following content packs are available with SOM 10.00:

  - *HP Storage Operations Management Common Content Pack*

  - *HP Storage Operations Management Content Pack for End-to-End Connectivity*

  - *HP Storage Operations Management Content Pack for Switches*

  - *HP Storage Operations Management Content Pack for Hosts*

  - *HP Storage Operations Management Content Pack for Storage Systems*

  - *HP Storage Operations Management Content Pack for HP 3PAR Performance Statistics*

  - *HP Storage Operations Management Content Pack for HP EVA Performance Statistics*

- *HP Storage Operations Management Content Pack for EMC CLARiiON and VNX Performance Statistics*

- *HP Storage Operations Management Content Pack for EMC DMX Performance Statistics*

About SOM 10.00

HP Storage Operations Manager (SOM) 10.00 is a new offering for storage resource management. Key benefits of SOM include:

- Heterogeneous device support with enablement for device and reporting updates between releases. For the supported devices, see the *SOM Device Support Matrix*.

- A rich set of environment capacity dashboards for easy visualization of your current storage availability.

- Topology views that highlight the connectivity in your storage network.

- Optimized storage device discovery and data collection with an appropriate default configuration.

- A high-performance HTML5 user interface that runs in modern web browsers.

- Simplified deployment: SOM is customer installable and configurable for quick time-to-value.

- Low cost of ownership with the embedded Postgres database that scales to support many environments.

- High performance enterprise reporting with the bundled HP Service Health Reporter.

- High scale: Each SOM management server can manage a large number of storage devices. For specific numbers, see the *SOM Support Matrix*.

Installation

The *SOM Interactive Installation Guide* available at the root of the product installation media provides instructions to install SOM 10.00.

Product updates and enhancements are delivered with the SOM 10.01 patch. You must install SOM 10.00 before you install SOM 10.01. Instructions to install SOM 10.01 are available with the patch at https://softwaresupport.hp.com.

Mozilla Firefox Known Issues

- By default, Firefox opens new windows in new tabs instead of new windows. This behavior can cause SOM to open windows that do not display in the foreground.
  To change the default setting, from the **Tools** > **Options** > **Tabs**, select the following check boxes:

  - **Open new windows in a new tab instead**

  - **When I open a link in a new tab, switch to it immediately**

- By default, Firefox limits the number of pop-up windows to 20. To change this limit, do the following:
  a. Type `about:config` in the Firefox address bar.

  b. From the Preference Name list, select **dom.popup_maximum**, and double-click to modify the value.

  c. Restart Firefox for the change to take effect.

    > **Note:** After opening and closing more than 50 forms in a single session, Firefox might start blocking pop-up windows, even if popups are enabled, which results in JavaScript errors. Increase dom.popup_maximum to a number greater than 500 or restart the browser.

- Firefox tracks long running JavaScript operations and displays a warning message if it exceeds the timeout value. Complex map operations may exceed the maximum default of 5. To adjust the maximum time, do the following:

  a. Type `about:config` in the Firefox address bar.

  b. From the Preference Name list, select **dom.popup_maximum**, and double-click to modify the value.
  The value is in seconds. You can set it to zero for infinity, however this is not recommended.

  c. Restart Firefox for the change to take effect.

- Firefox enables the use of JavaScript by default. Disabling JavaScript requires a privacy extension. When signing in to the SOM console, if you see an error that JavaScript has been disabled, go to **Tools** > **Add-ons** > **Extensions**, and disable the extension that is disabling Javascript.

- If you created a user account but later deleted and recreated it, the Firefox auto-complete feature fills in the password field without notifying the user interface, causing the user account creation to fail. Change the password twice, or turn off form completion in Firefox.

Open Defects

The reference number for each defect is the change request (QCCR) number. For more information about open defects, visit HP Software Support Online, or contact your HP Support representative directly.

The following is a known issue:

QCCR1G57882 - Nodes assigned to security groups are listed incorrectly in the Security Wizard.

SOM Console Known Issues

The following known issues apply to SOM running in all supported languages.

Title: Nodes are listed incorrectly by the Security Wizard.

Description: The Security Wizard incorrectly shows nodes mapped to multiple security groups.

Workaround: Use the Security Groups Mappings view in the Security configuration workspace.

Title: SOM shows DTT values as 99999 for a few analytics metrics.

Description: When the capacity numbers do not change over time, HP Service Health Reporter (SHR) reports the metric value as 99999.

Localization and Globalization Known Issues

The following known issues apply to SOM running in a non-English language.

Title: English text in the SOM installer.

Description: Some messages in the pre-installation checks are not localized.

Title: Date and time values are displayed in the English format not the local date and time format.

Description: Dates and times are not localized.

Title: Command-line output is in English.

Description: The SOM command line interface is not localized. While the commands can accept localized language inputs as parameter values, all command output is in English.

Title: English text in the localized product.

Description: The following text strings cannot be localized and are always shown in English:

- Java runtime exceptions such as "Unknown type"
- Device profile names
- The contents of the Description field for the properties of a data collection control.

Title: The SOM content pack installer is available in English and not in any other languages.

Description: The SOM reports have been localized into the same languages as the SOM management server software. The SOMcontent pack installer is not available in these languages.

Workaround: If the SOM reports have been localized to the locale of the SOM reporting server (the HP Service Health Reporter (SHR) system), the SOM content pack installer installs the SOM reports in that language. Otherwise, the SOM content pack installer installs the SOM reports in English.

Title: The SOM content pack uninstaller is available in English and not in any other languages.

Description: The SOM content pack uninstaller is not available in other languages.

Workaround: Regardless of report language, run the English language SOM content pack uninstaller to remove the SOM reports from the SOM reporting server.

Title: SOM report descriptions are in English.

Description: In SHR, the descriptions of reports delivered in the SOM content packs are not localized.

Title: Report prompts for raw measures are in English.

Description: When configuring the SOM performance statistics reports, the prompts and options for raw data measures are not localized.

Title: Graph labels are in English.

Description: Some labels on graphs in the SOM reports are not localized.

Title: Content pack tool tips are in English.

Description: The tool tips for SOM content packs in the SHR administration console are not localized.

We appreciate your 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, June 2015 (Storage Operations Manager 10.01)

Just add your feedback to the email and click send.

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