Release Notes

Dell Server Management Pack Suite For Microsoft System Center Operations Manager And System Center Essentials

The Dell Server Management Pack Suite for Microsoft System Center 2012 R2 Operations Manager, Microsoft System Center 2012 SP1 Operations Manager, System Center 2012 Operations Manager, System Center Operations Manager (SCOM) 2007 R2 and System Center Essentials (SCE) 2010 enables the monitoring of Dell Servers, Dell Remote Access Controllers (DRAC) and Dell Chassis Management Controllers (CMC). The management packs provide Dell-specific views that you can use to observe and drill down the system status in a network.

Version 5.1

Last Revised Date: November 15, 2013
Previous Version 5.0.1

Importance

RECOMMENDED: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers and software).

What is Supported

For information on supported devices refer the "Dell Server Management Pack Suite Version 5.1 for Microsoft System Center Operations Manager and System Center Essentials Installation Guide".

What's New

- Support for Microsoft System Center 2012 R2 Operations Manager, and Microsoft System Center 2012 SP1 Operations Manager
- Support for Windows Server 2012 R2 as management server operating system
- Support for monitoring VRTX Chassis
- Chassis views for M1000e and VRTX chassis(Alert, Diagram and State Views)
- Support for EEMI event mode of Dell OpenManage Server Administrator
- Support for latest firmware of iDRAC7 and CMC
- Support for new alerts from iDRAC7, CMC and Dell OpenManage Server Administrator

Important Notes

Management Pack Suite Structure

The Dell Server Management Pack Suite consists of the following management packs, which are installed into the installation folder.

Dell.FeatureManagement.Pack.mp
- Dell Feature Management Pack (FMP) provides a dashboard to monitor supported Dell Management Pack Suite features, configure/manage licenses, import (scalable/detailed), upgrade, and remove management features. For more information, see the Installation Guide.

Server Monitoring

Dell.WindowsServer.Scalable.mp

- Dell Windows Server Scalable Management Pack for agent-based (in-band) discovery and monitoring of Dell Servers.

Dell.WindowsServer.Detailed.mp

- Dell Windows Server Detailed Management Pack for agent-based Systems Management (in-band) detailed discovery and monitoring of Dell Servers and its components.

Dell.WindowsServer.InformationAlertsOn.mp

- Dell Overrides utility for turning ON the Informational Alerts provided in the Dell Windows Server Scalable Management Pack.

Dell.Server.OOB.mp

- Dell Server (Out Of Band) Management Pack for agentless server discovery with detailed inventory and monitoring of 12G Dell Servers on SCOM 2012 and SCOM 2012 SP1. Requires licenses, and Dell Device Helper Utility to be configured. Refer to the Installation Guide for details.

Dell.Server.OOB.DetailedMonitoringOn.mp

- Dell Server Out-Of-Band Detailed Monitoring On - Overrides MP enable detailed component-level monitoring for the Dell Server Out Of Band) Management Pack.

Dell.Model.Server.mp

- Library files for Server monitoring

Dell.OperationsLibrary.Server.mp

- Library files for Server monitoring

Dell.View.Server.mp

- Library files for Server monitoring

Chassis Monitoring

Dell.CMC.OM07.mp

- Dell Chassis Management Controller Management Pack for discovery, monitoring, and trap processing of CMC devices with SCOM 2007 R2/SCE 2010.

Dell.CMC.OM12.mp

- Dell Chassis Management Controller Management Pack for discovery, monitoring, and trap processing of CMC devices with SCOM 2012 and SCOM 2012 SP1.

Dell.Model.CMC.mp

- Library files for CMC monitoring

Dell.OperationsLibrary.CMC.mp

- Library files for CMC monitoring

Dell.View.CMC.mp

- Library files for CMC monitoring

Remote Access Monitoring

Dell.DRAC.OM07.mp
- Dell Remote Access Controller Management Pack for discovery, monitoring and trap processing of DRAC devices with SCOM 2007 R2/SCE 2010.

Dell.DRAC.OM12.mp
- Dell Remote Access Controller Management Pack for discovery, monitoring and trap processing of DRAC devices with SCOM 2012 and SCOM 2012 SP1.

Dell.Model.DRAC.mp
- Library files for DRAC monitoring

Dell.OperationsLibrary.DRAC.mp
- Library files for DRAC monitoring

Dell.View.DRAC.mp
- Library files for DRAC monitoring

Chassis Modular Server Correlation

Dell.ChassisModularServer.Correlation.mp

Dell Chassis Blade Correlation utility for turning ON the correlation of chassis with discovered modular server blades. This MP requires Dell.Model.Server, Dell.Model.CMC and Dell.WindowsServer.Scalable MPs.

Library

Dell.Connections.HardwareLibrary.mp
- Dell Base folder utility for the basic folder structure, and root node.

Dell.OperationsLibrary.Common.mp
- Library file used by Dell Management Pack Suite components.

NOTE: The Library folder also contains the DLLs used by the components of the Management Pack Suite.

Server Monitoring (In-band):

- Alerts generated by the Server Monitoring (In-band) feature might have a severity different from that shown in the OpenManage Server Administrator

event-log or documentation. The Management Pack shows the recommended severity for the event.

- The Attribute "Enable Correlation" for "Dell Windows Server Physical and Teamed Relationship Discovery Rule" is set to "False" for all Teamed Network Interface (Enriched) in the Dell Windows Server (Detailed Edition) Management Pack. Set the attribute value to "True", to see the relationships between Physical and Teamed Network Interfaces in the "Complete Diagram View", "Modular Systems Diagram View" and "Monolithic Servers Diagram View"

- The Performance Rules "Total Transmitted Packets", "Received Bytes", "Total Received Packets" and "Transmitted Bytes" are disabled by default for all Physical Network Interface (Enriched) in the Dell Windows Server (Detailed Edition) Management Pack. Enable these rules to generate performance statistics for the Physical Network Interfaces.

- The Performance Rules "Total Transmitted Packets", "Received Bytes", "Total Received Packets" and "Transmitted Bytes" are disabled by default for all Teamed Network Interface (Enriched) in the Dell Windows Server (Detailed Edition) Management Pack. Enable these rules to generate performance statistics for the Teamed Network Interfaces.

- iDRAC is discovered and displayed in diagram view under the server when the iDRAC firmware Version is at least 1.54 and the OMSA version on managed node is at least 6.3.

- The Dependency Monitor "Dell Server Availability Rollup (from iDRAC)" is disabled by default for all Dell Servers in the Dell Scalable management pack. Enable this monitor to roll up the iDRAC network interface health to the Dell Server health.

Server Monitoring (Out-of-Band):

- To use the Out-of-Band features, download the Microsoft WS-Management template from the Microsoft download location mentioned in the Dell Server Management Pack Suite Version 5.1 User's Guide.

- Performance rules are disabled by default. Enable "Dell Server Performance rule" to view the Server performance data (temperature, power and Network Interface Card (NIC)).

Remote Access Monitoring:

- The Unit Monitor "Device Status Check" is disabled for all Dell Remote Access Controllers in the Dell Remote Access Controller Management Pack for SCOM 2007 R2/SCE 2010.

Chassis Monitoring:

- The Discovery Rule "Dell CMC Slot Discovery" is disabled for all Dell Chassis Management Controllers in the Dell Chassis Management Controller Management Pack. Enable this rule to discover server modules and free slots for Dell Chassis Management Controllers after you have created Run As Accounts for the CMC devices in your network and associated them with the "Dell CMC Login Account". For more information on configuring Run As Accounts refer to the User's Guide.

- The Discovery Rule "Dell DRAC/MC Slot Discovery" is disabled for all Dell Modular Chassis Remote Access Controllers in the Dell Chassis Management Controller Management Pack. Enable this rule to discover server modules and free slots for Dell Modular Chassis Remote Access Controllers after you have created Run As Accounts for the DRAC/MC devices in your network and associated them with the "Dell DRAC/MC Login Account". For more information on configuring Run As Accounts refer to the User's Guide.

- The Unit Monitor "Device Status Check" is disabled for all Dell Chassis Management Controllers and Dell Modular Chassis Remote Access Controllers in the Dell Chassis Management Controller Management Pack for SCOM 2007 R2/SCE 2010.

- The "Dell CMC Slot Discovery" and "Dell DRAC/MC Slot Discovery" uses racadm to connect to CMC and DRAC/MC devices. The racadm uses Internet Explorer Proxy Settings of SCOM Health Service user account to connect to the CMC and DRAC/MC Devices. Ensure that Internet Explorer Proxy Settings of the SCOM

Health Service user account is configured such that CMC and DRAC/MC devices are reachable. For instructions on modifying the Internet Explorer settings, see Microsoft KB article 135982.

Known Issues

Issue (546218): If Dell OpenManage Power Center is installed on a port other than the default port 8463; the associated Console Task to launch it will fail.

Resolution

Install Dell OpenManage Power Center on default port on the management server.

Versions Affected

Server Monitoring (In-band) 5.1

Issue (307678): Dell Server "Operating System" attribute may not show the trademark and registered symbols properly.

Resolution

None

Versions Affected

Server Monitoring (In-band) 5.1

Issue (310069): After you remove the management pack, the management pack folders still show up in SCOM console.

Resolution

Close and re-open the SCOM console.

Versions Affected

 All

Issue (406763): When the network cable is pulled out, iDRAC object may not accurately reflect the state of the iDRAC network interface for modular blade.

Resolution

None

Versions Affected

- Server Monitoring (inband) 5.1
- iDRAC Modular Firmware - all versions

Issue (420180): After server reboot, it may be possible for the network interface ordering to change, and hence may be mapped to a different network interface name. Performance statistics are collected based on the network interface name, and hence may start collecting for a different network interface.

Resolution

None

Versions Affected

Server Monitoring (inband) 5.1

Issue (323381): With certain firmware versions of the iDRAC6 monolithic device, the firmware version attribute may have a value with a trailing "\n".

Resolution

None

Versions Affected

- DRAC Monitoring 5.1
- iDRAC6 Monolithic Firmware

Issue (431523): You cannot discover slots for DRAC/MC devices with firmware version 1.6 with an Active Directory (AD) account. Alternatively, you can discover the slots with Local User Accounts.

Resolution

None

Versions Affected

- Chassis Monitoring 5.1
- DRAC/MC Firmware 1.6

Issue (433503): Temporary files are not removed when racadm tool fails. When remote racadm takes a long time to get server module/free slot information from CMC or DRAC/MC device, SCOM may terminate the "CMC Slot Discovery" and "DRAC/MC Slot Discovery" scripts. As a result, you will see "Script or Executable failed to Run" alert in the SCOM Alerts View and some files will be left over in the %windir%\Temp\ChassisRemoteAccess_Logs directory on the management station managing the CMC or DRAC/MC device. You can ignore the alert and manually remove the temporary files.

Resolution

Remove the temporary files manually.

Versions Affected

Chassis Monitoring 5.1

Issue (554331): On SCOM 2007 R2 distributed setups, though a FMP task is completed functionally and Task History too shows this as complete, on occasions SCOM may still continue to have task popup in running state.

Resolution

Close the task popup window.

Versions Affected

- Feature Management (5.1)
- SCOM 2007 R2 (Distributed Environment)

Issue (545775): After the user updates the default port number, CMC/DRAC firmware with version 3.0 returns wrong URL.

Resolution

None

Versions Affected

- Chassis Monitoring 5.1
- DRAC Monitoring 5.1

Issue (545603): EMMs that the OpenManage console shows as "Not Installed" are shown as part of the Server Inventory. The "Not Installed" EMM will be shown in Diagram view with attributes as "Not available".

Resolution

None

Versions Affected

Server Monitoring (In-band) 5.1

Issue (551424): Servers discovered via In-band are shown with the default logical device icon.

Resolution

None

Versions Affected

Server Monitoring (In-band) 5.1

Issue (551921): After a SCOM-2007->SCOM-2012 upgrade, Feature Management may not auto-upgrade CMC/DRAC in the first post-upgrade discovery cycle.

Resolution

The upgrade will happen in the next discovery cycle.

Versions Affected

Feature Management (5.1)

Issue (554424): When Out-of-band and In-band feature exist together, removal of out-of-band feature alone shows Dell.Model.Server MP cannot be deleted. Removal of in-band feature when out-of-band exists too does not permit removal of Dell.Model.Server MP but this messaging is not conveyed in task console output, as mentioned in the similar out-of-band removal workflow.

Resolution

None

Versions Affected

Feature Monitoring (5.1)

Issue (554882): When the Dell Server Management Pack Suite is installed on one of the management servers of a distributed setup, workflows may have propagated to the other management servers that expect the Dell Device Helper utility to be present. This generates a Warning event in both Operations Manager console and Windows event log with id 21406. This may also be seen during the uninstallation of Dell Server Management Pack Suite.

Resolution

Install Dell Server Management Pack Suite on the remaining management servers of the distributed setup, for more information, see the Installation Guide.

Versions Affected

All

Issue (558276): In SC 2012 OpsMgr, after upgrading from 5.0 to 5.0.1 the health of the CMC and DRAC devices does not rollup to the CMC and DRAC groups immediately. The health rollup takes about 12 - 24 hours to get reflected.

Resolution

Wait for 12 - 24 hours for the health rollup to happen.

Versions Affected

- Chassis Monitoring 5.1
- DRAC Monitoring 5.1

Issue (110032): In SC 2012 R2 OpsMgr, Chassis Modular Server correlation may not correlate the Dell Servers with the Chassis, and may not list the Dell Servers under their respective Chassis Slot.

Resolution

None.

Versions Affected

Chassis Modular Server Correlation Feature 5.1

Installation Procedure

To install the Dell Server Management Pack Suite Version 5.1, run the installer executable. For detailed installation, prerequisites, configuration, upgrade and uninstallation instructions, refer to the Installation Guide.

Contacting Dell

📝 NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit dell.com/support.
2. Select your support category.
3. If you are not a U.S. customer, select your country code at the bottom of the support.dell.com page, or select All to see more choices.
4. Select the appropriate service or support link based on your need.

For information on documentation support, visit www.dell.com/support/manuals. On the Manuals page, click **Software ->Systems Management**. Click on the specific product on the right-side to access the documents.