

# Release Notes

## Dell Server Management Pack Suite For CPS

The Dell Server Management Pack Suite for Microsoft System Center 2012 R2 Operations Manager, Microsoft System Center 2012 SP1 Operations Manager, and Microsoft System Center 2012 Operations Manager 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 5.1.1

### 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 5.1.1 for CPS Installation Guide".

## What's New

- Support for Microsoft System Center 2012 R2 Operations Manager
- Support for monitoring PowerEdge C6220 and C6220 II
- Support for monitoring VRTX Chassis
- Support for 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

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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

## 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):

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- 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.
- 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):

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- 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 5.1.1 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)).

## 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)

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

#### **Resolution**

None

#### **Versions Affected**

Server Monitoring (In-band)

**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 (In-band)

**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 (In-band)

**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)

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

### Resolution

None

## Versions Affected

Server Monitoring (In-band)

**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

# Installation Procedure

To install the Dell Server Management Pack Suite, 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](http://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](http://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](http://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.

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