

# Dell EMC OpenManage Integration Version 7.3 with Microsoft System Center (OMIMSSC) for System Center Operations Manager (SCOM) Release Notes

This document describes the new features, resolved issues, and known issues in the OMIMSSC appliance version 7.3 for SCOM.

**Current Release Version:** 7.3

**Previous Release Version:** 7.2

**Release Type:** Major (MA)

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## Priority and recommendations

**RECOMMENDED:** Dell EMC 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, including firmware, BIOS, drivers, and software.

## Revision history

The following table lists the revision history of the release notes for OMIMSSC for SCOM.

**Table 1. Document revision history**

Document revision	Date	Description
A00	July 2021	Initial release
A01	July 2021	Support for PowerEdge R450, R550, R750xs, R650xs, XR12, XR11 servers
A02	October 2021	Support for PowerEdge R250, R350, T150, T350 servers
A03	November 2021	Support for PowerEdge T550 server
A04	July 2022	Support for System Center Operations Manager 2022

# Product description

Microsoft System Center—Operations Manager (SCOM) enables you to monitor devices and applications in your data center. Dell EMC provides management packs on the OpenManage Integration with Microsoft System Center (OMIMSSC) appliance for SCOM, by using which administrators can manage their Microsoft and Dell EMC devices by using a single interface: The Microsoft System Center—Operations Manager (SCOM) console. The Dell EMC OMIMSSC appliance integrates with Microsoft SCOM to discover, inventory, monitor health, monitor performance metrics, and monitor alerts of PowerEdge servers and rack workstations, Modular Infrastructure (including PowerEdge MX7000), and network switches. The OMIMSSC appliance offers the agent-free monitoring of Dell EMC Servers and Rack Workstations-through iDRAC or iSM management pack, Dell EMC Chassis, and Dell EMC Networking Switches.

For more information about the key features of the OMIMSSC appliance and supported hardware and software, see *Dell EMC OpenManage Integration with Microsoft System Center (OMIMSSC) for System Center Operations Manager (SCOM) User's Guide* on the Dell Technologies support site.

## New features

- For a seamless onboarding of the OMIMSSC appliance for agent-free monitoring:
  - Wizard-based enhancement to enroll SCOM Management Group and Dell EMC Alert Relay Servers (previously known as Proxy Management Servers) with the OMIMSSC appliance.
  - Dell EMC Alert Relay Server Installer to onboard and configure the Dell EMC Alert Relay Servers to discover and monitor multiple Dell EMC devices by scaling up the monitoring capabilities on the SCOM console.
  - For seamless alert reception capabilities, the SNMP Monitoring Profile on the SCOM console is automatically associated with the Dell EMC Hardware class after the enrollment of SCOM Management Group.
- An option to create, edit, and delete Windows Credential profiles on the OMIMSSC Admin Portal.
- Using online (<https://linux.dell.com/repo/omimssc-scom/latest/>) or offline custom repositories, you can update to the latest OMIMSSC appliance version wherein the imported Dell EMC Management Packs, appliance kernel RPMs, and application RPMs are automatically updated.
- SCOM Console administrators receive recommendations to install or update the OMIMSSC Appliance and agent-free management packs for supported PowerEdge servers, AX nodes, and S2D Ready Nodes on the **Updates and Recommendations** page.
- Support for:
  - System Center Operations Manager 2022.
  - Update Rollup 3 for System Center Operations Manager 2019.
  - Update Rollup 10 for System Center Operations Manager 2016.
- Support for the following latest iDRAC9—based PowerEdge servers:
  - PowerEdge R250, R350, T150, T350
  - PowerEdge R450, R550, R750xs, R650xs, T550
  - PowerEdge R7525, R6525, R7515, R6515
  - PowerEdge R750, R650
  - PowerEdge R750xa
  - PowerEdge C6525
  - PowerEdge C6520
  - PowerEdge MX750c
  - PowerEdge XR12, XR11
- Support for the following latest SmartFabric OS10-based Network Switches: MX5108N, MX9116N, S4112F-ON, S4112T-ON, S4128F-ON, S4128T-ON, S4148F-ON, S4148FE-ON, S4148T-ON, S4148U-ON, S4248FB-ON, S4248FBL-ON, S5148F-ON, S5212F-ON, S5224F-ON, S5232F, S5248F-ON, S5296F-ON, S6010-ON, Z9264F-ON.
- Support for the following AX nodes:
  - AX-7525
  - AX-740xd
  - AX-6515
  - AX-640
- Support for the following Dell EMC Microsoft Storage Spaces Direct Ready Nodes:
  - Storage Spaces Direct R740xd Ready Node
  - Storage Spaces Direct R740xd2 Ready Node
  - Storage Spaces Direct R640 Ready Node

- Storage Spaces Direct R440 Ready Node
- Security enhancements:
  - For secure HTTP access (HTTPS), the OMIMSSC appliance supports Certificate Authority (CA) or Enterprise CA signed certificates.
  - As part of ongoing security enhancements, various security-related improvements are implemented in this release.

See the OpenManage Integration with Microsoft System Center Operations Manager (SCOM) product support pages on [www.dell.com/support](http://www.dell.com/support) for detailed user documentation.

## Resolved issues

**Table 2. Resolved issues in OMIMSSC appliance for SCOM**

Issue ID	Functional area	Description
NA	Monitoring of devices	With OMIMSSC version 7.2 release and later for SCOM, there is no time bound limitation of monitoring execution.
NA	Monitoring of devices	When there are multiple SCOM consoles in a Management Group, the device credential profiles and jobs that are created from the Dell EMC OpenManage Integration Dashboard on a SCOM console, are visible from the Dell EMC OpenManage Integration Dashboard using an alternative SCOM console within the Management Group.
NA	Enrollment and de-enrollment of SCOM Management Group	When you de-enroll the SCOM Management Group from the OMIMSSC appliance and enroll a new SCOM Management Group within the same OMIMSSC appliance, if you try to reuse the same job name or credential profile name as used earlier, an error stating that the credential profile or the job exists is no longer displayed.
NA	Discovery of devices	Rebooting the OMIMSSC appliance followed by one periodic discovery interval, if discovered devices are deleted from the Dell OpenManage Integration Dashboard and are rediscovered then the discovery job will not fail.

## Known issues

**Table 3. Known issues in OMIMSSC appliance version 7.3 for SCOM**

Issue ID	Functional area	Description	Workaround/ Resolution
NA	Uninstallation/ De-enrollment OMIMSSC version affected: All	After removing the Dell EMC management packs, the management pack folders are still displayed on the SCOM console.	Close and reopen the SCOM console.
NA	Chassis Monitoring and DRAC Monitoring features OMIMSSC version affected: All	Despite updating the default port number, CMC, or DRAC running firmware version 3.0 returns the wrong URL.	None.
NA	Server and Rack Workstation Monitoring feature OMIMSSC version affected: All	Dell EMC PowerEdge Servers that are discovered through the Dell EMC Server and Rack Workstation Monitoring feature are shown with the default logical device icon.	None.

**Table 3. Known issues in OMIMSSC appliance version 7.3 for SCOM (continued)**

<b>Issue ID</b>	<b>Functional area</b>	<b>Description</b>	<b>Workaround/ Resolution</b>
NA	Discovery and inventory OMIMSSC version affected: All	If the component is under a Software RAID controller, inventory for Bus Type and Media Protocol in Virtual Disk are not supported.	See the iDRAC documentation on the Dell Technologies support site for updated support.
NA	Discovery and inventory OMIMSSC version affected: All	The "Manufacturer" inventory field for SATA Disks may be incorrectly reported as "ATA".	None.
NA	Discovery and inventory OMIMSSC version affected: All	If Virtual MAC Address has not been configured for the NIC, NIC Inventory field for Virtual MAC Address is displayed as "00:00:00:00:00:00". This issue affects the Server and Rack Workstation Monitoring (Licensed) feature in version 6.3 and the out-of-band or the agent based monitoring feature of versions 6.0 and later.	None.
NA	Discovery and inventory OMIMSSC version affected: All	The "Fan" components of the PowerEdge M1000e chassis are displayed as "Dell Fan".	Upgrade the PowerEdge M1000e firmware to 5.0.1.
NA	Discovery and inventory OMIMSSC version affected: All (Chassis Monitoring Feature (Detailed), Firmware 5.0.1)	In the Chassis inventory, IP address may not be updated for the IO module.	None.
NA	Discovery and inventory OMIMSSC version affected: All (Chassis Modular Server Correlation, Server and Rack Workstation Monitoring, Server and Rack Workstation Monitoring Feature-Licensed)	If Modular servers which are correlated to a Chassis slot are removed from the SCOM monitoring, the main server object may still be visible.	None.
NA	Discovery and inventory OMIMSSC version affected: All	When Dell EMC PowerEdge M1000e chassis is discovered with controller inserted in slot2 with slot1 empty, then the value of the firmware version is displayed as <b>Not Applicable</b> .	Insert the controller in slot1.
NA	Discovery and monitoring OMIMSSC version affected: All	The deletion of Dell EMC devices from appliance to Operations Manager can take a long time depending on the number of devices that are deleted at a time.	Select few devices for deletion at a time. Wait for few minutes after the deletion of devices and then proceed to delete other devices.
NA	Discovery OMIMSSC version affected: All	If the IP addresses provided during discovery of Dell EMC devices are unreachable, then the discovery for those devices runs periodically and task created for the devices by OMIMSSC appliance cannot be deleted.	If the provided credentials are incorrect, then go to the Edit Credentials Profile page to correct them.
NA	OMIMSSC version affected: All	After rebooting the OMIMSSC appliance, monitoring of devices is not possible until next discovery which is scheduled for that	Use Configuration override page to change only discovery override after reboot. This will ensure discovery

**Table 3. Known issues in OMIMSSC appliance version 7.3 for SCOM (continued)**

Issue ID	Functional area	Description	Workaround/ Resolution
		particular device. Thus, updating the health status can take up to 24 hours.	is run immediately, and Health Unit Monitors are updated in next default cycle.
NA	Discovery of devices OMIMSSC version affected: All	If the Dell EMC PowerEdge Servers are discovered through sync operation in OMIMSSC appliance and if in the next discovery, port or credentials are changed, discovery of such a device in Appliance will fail in the consequent discovery cycles and resolve sync errors page will not display this device.	None.
NA	Enrollment of appliance OMIMSSC version affected: All	Names for Groups, object discoveries, KB articles, and Feature name column of Feature Management Dashboard are not changed to Dell EMC.	None.
NA	Discovery and monitoring OMIMSSC version affected: All	When FM/FC blades which are present in an FX2/FX2s chassis where the “Chassis Management at Server node” is set to “Manage and monitor” are discovered from the OMIMSSC dashboard, the Power supply and Fan sensor groups are shown as sub components of the server. If the “Chassis Management at Server node” set to “None” or disabled from the iDRAC console of the blade server, then in the consequent discoveries the Power supply group and the Fan sensor will be retained with health state as “Warning” to indicate an unknown health state of the groups.	None.
NA	Enrollment of appliance OMIMSSC version affected: All	After enrollment, if Dell EMC OpenManage Integration Dashboard in the SCOM console is not launching or if after the enrollment there is a change in Appliance IP.	Update the OMIMSSC appliance IP in the Dell EMC SDK Override Appliance IP Unit monitor override.
NA	Discovery of devices OMIMSSC version affected: All	Device discovery job remains in the Running state for a long time—more than five hours in the OMIMSSC appliance.	Create the discovery task again in the SCOM console for the same device IPs with a different job name.
NA	Discovery and inventory OMIMSSC version affected: 7.2	On the SCOM console, the overall status of the fan group displays <b>Critical</b> for Dell EMC VRTX Chassis in the Dell EMC VRTX Chassis Diagram View. However, the Detailed Diagram View displays only the fans in healthy state but not the fans in the unhealthy state.	From the inventory of the chassis devices, open the CMC product URL .
NA	Enrollment of appliance OMIMSSC versions affected: All	When the Management Server, enrolled with the OMIMSSC appliance, is removed from the SCOM Management Group, the Dell EMC Feature Management Dashboard displays blank on the remaining Management Servers.	<ol style="list-style-type: none"> <li>1. Open the Management Server removed from the SCOM Management Group.</li> <li>2. Click the Start menu and search for Command Prompt. Enter <b>reg export HKEY_LOCAL_MACHINE\SOFTWARE\Dell\Dell Server Management Pack Suites c:\Export.txt</b>.</li> <li>3. Open another Management Server in the SCOM</li> </ol>

**Table 3. Known issues in OMIMSSC appliance version 7.3 for SCOM (continued)**

Issue ID	Functional area	Description	Workaround/ Resolution
NA	Enrollment of OMIMSSC appliance  OMIMSSC version affected: 7.2 and 7.3	Importing of Dell EMC OpenManage Integration Dashboard View Management pack fails in Microsoft System Center—Operations Manager 2012 R2.	<p>Management Group and copy the exported file—<code>Export.txt</code> under C:\ drive.</p> <ol style="list-style-type: none"> <li>4. Click the Start menu and search for Command Prompt. Enter <b>reg import c:\Export.txt</b>.</li> <li>5. Set the override value to FQDN of the Management Server by performing the following steps:             <ol style="list-style-type: none"> <li>a. On the SCOM console, click <b>Authoring</b>.</li> <li>b. Expand <b>Management Pack Objects</b> and click <b>Object Discoveries</b>.</li> <li>c. In the <b>Look for</b> field, search <b>Dell Feature Management Host Discovery</b>.</li> <li>d. Right-click Dell Feature Management Host Discovery and select <b>Overrides &gt; Override the Object Discovery &gt; For all objects of class: Management Server</b>.</li> <li>e. Select the FMP Host FQDN and set the override value to FQDN of the Management Server and click <b>OK</b>.</li> </ol> </li> </ol> <p>To import the Dell EMC OpenManage Integration Dashboard View Management pack:</p> <ol style="list-style-type: none"> <li>1. Install Update Rollup 14 for Microsoft System Center—Operations Manager 2012 R2. For more information, see <a href="https://support.microsoft.com/en-us/topic/update-rollup-13-for-system-center-2012-r2-operationsmanager-0743b6e3-e63f-11a4-e688-5009d927507c">https://support.microsoft.com/en-us/topic/update-rollup-13-for-system-center-2012-r2-operationsmanager-0743b6e3-e63f-11a4-e688-5009d927507c</a>.</li> <li>2. After the Update Rollup 14 is installed, the following management packs will be available on the Management Server under: <code>C:\Program Files\Microsoft System Center 2012 R2\Operations Manager\Server\Management Packs for Update Rollups</code>. Import these management packs into the SCOM console.             <ul style="list-style-type: none"> <li>● <code>Microsoft.SystemCenter.Visualization.ServiceLevelComponents</code></li> <li>● <code>Microsoft.SystemCenter.Visualization.Library</code></li> </ul> </li> </ol>

**Table 3. Known issues in OMIMSSC appliance version 7.3 for SCOM (continued)**

Issue ID	Functional area	Description	Workaround/ Resolution
			<ul style="list-style-type: none"> <li>Microsoft.SystemCenter.Visualization.Component.Library</li> </ul> <p>3. Enroll the SCOM Management Group with the OMIMSSC appliance from the OMIMSSC Admin portal. For more information about enrollment, see the <i>Dell EMC OpenManage Integration with Microsoft System Center for System Center Operations Manager User's Guide</i> on the support site.</p>
NA	Enrollment with OMIMSSC appliance OMIMSSC version affected: 7.3	Editing the enrollment name using the Edit option on the OMIMSSC Admin Portal is initiating all the sub-tasks to execute.	Functionality is not impacted.
NA	Discovery of devices OMIMSSC version affected: All	The Dell EMC PowerEdge M1000e chassis is not getting discovered on the SCOM console.	Upgrade the Dell EMC PowerEdge M1000e firmware to version 6.23.
203180	Monitoring of devices and de-enrollment with OMIMSSC appliance OMIMSSC version affected: 7.2 and 7.3	The health monitoring and metrics collection jobs created for devices discovered in Detailed mode continue to run even after the SCOM Management Group is de-enrolled with the OMIMSSC appliance.	None.
203278	Monitoring of devices OMIMSSC version affected: All	For devices discovered in Scalable mode, the metrics collection tasks are created but will remain disabled. In the Jobs and Logs center, these tasks list under the Running tab instead of the Scheduled tab. When you switch back to Detailed mode and enable the monitoring metrics, these tasks will run as per the scheduled interval.	None.
202597	Monitoring of network switches OMIMSSC version affected: 7.3	For Dell EMC Network Switches running on OS10 firmware, the system health status displays "Healthy" even when few components, such as power supply and fan, are in the "Critical" state.	Use the State view or expand the system node in the Diagram view to view the health status of the components of Dell EMC Network Switches with OS10 firmware.

## Limitations

**Table 4. Limitations in OMIMSSC appliance for SCOM**

Functional area	Limitation
Discovery and monitoring	The detection of unresponsive Chassis Management Controller feature is not supported for 13G FX2 chassis that is discovered through iDRAC Service Module (ISM) using Windows Management Instrumentation (WMI).
Monitoring	Setting preferred monitoring feature through Dell EMC Feature Management Dashboard is not applicable to Dell EMC PowerEdge Server discovered under Dell EMC Server and Rack Workstations (Licensed) State View using OMIMSSC.

# Environment and system requirements

For more information about the hardware and software requirements of OMIMSSC version 7.3 for SCOM, see the *Support Matrix* section in the *Dell EMC OpenManage Integration with Microsoft System Center for System Center Operations Manager User's Guide* on [www.dell.com/support](http://www.dell.com/support).

## Installation and upgrade considerations

High level deployment process of the OMIMSSC appliance:

- Deploy OMIMSSC on Hyper-V or ESXi.
- Log in first time as administrator using the OMIMSSC Command Line Interface (CLI).
- Configure OMIMSSC VM after first login.
- Enroll SCOM Management Server(s) and Dell EMC Alert Relay Servers with OMIMSSC appliance for SCOM.

You can upgrade to the latest version of the OMIMSSC appliance for SCOM by using:

- The service packs available on the Dell Technologies support site—To be used when you upgrade OMIMSSC version 7.2 to version 7.3.
- The Backup and Restore feature of OMIMSSC—To be used when you upgrade OMIMSSC version 7.1 and 7.1.1 to version 7.2. You can then use the service packs to upgrade from OMIMSSC version 7.2 to version 7.3.

See the OpenManage Integration with Microsoft System Center Operations Manager product support pages on [www.dell.com/support](http://www.dell.com/support) for detailed user documentation.

## Important Notes

### Dell EMC management packs provided by the OMIMSSC appliance for SCOM

The following Dell EMC management packs are imported in the SCOM console based on the monitoring device scope selected during the enrollment of SCOM Management Group with OMIMSSC appliance.

- Feature Management
  - `Dell.FeatureManagement.Pack.mp`  
Dell EMC Feature Management Pack provides a dashboard to monitor supported OMIMSSC features, import (scalable/detailed), upgrade, and remove management features.
- Dell EMC PowerEdge Server Monitoring
  - `Dell.Server.SDK.mp`  
Dell EMC Server Management Pack: This management pack contains the discovery and Unit Monitor for the Dell EMC Server and its components.
  - `Dell.View.SDKServer.mp`  
Dell EMC Server View Library Management Pack: This library management pack contains the view type definitions for the Dell EMC Agent-free Server Management Pack and Dell EMC Agent-based Server Management Pack.
  - `Dell.WindowsServer.Scalable.mp`  
Dell Windows Server Scalable Management Pack for discovery and monitoring of Dell EMC PowerEdge Servers through the Dell EMC Server and Rack Workstation Monitoring feature.
  - `Dell.WindowsServer.Detailed.mp`  
Dell Windows Server Detailed Management Pack for detailed discovery and monitoring of Dell EMC PowerEdge Servers and its components through the Dell EMC Server and Rack Workstation Monitoring feature.
  - `Dell.WindowsServer.InformationAlertsOn.mp`  
Dell EMC Overrides utility for turning ON the Informational Alerts provided in the Dell Windows Server Scalable Management Pack.
  - `Dell.Model.Server.mp`

Library file for PowerEdge Server monitoring.

- `Dell.OperationsLibrary.Server.mp`

Library file for PowerEdge Server monitoring.

- `Dell.View.Server.mp`

Library file for PowerEdge Server monitoring.

- `Dell.ManagedServer.Model.mp`

Library file for PowerEdge Server monitoring using iSM

- `Dell.ManagedServer.iSM.mp`

Dell EMC Server and Rack Workstation Monitoring (Licensed) Management Pack is used for discovery with scalable inventory and monitoring of 12th, 13th, and iDRAC9-based PowerEdge Servers on Operations Manager 2016, Operations Manager 2012 R2.

- Dell EMC Network Switch Monitoring

- `Dell.NetworkSwitch.mp`

Dell EMC NetworkSwitch Management Pack: This management pack contains the discovery and Unit Monitor for the Dell EMC Network Switch and its components.

- `Dell.View.NetworkSwitch.mp`

Dell EMC NetworkSwitch View: Library file defining the views used by the Dell EMC Network Switch Management Pack.

- Chassis Monitoring

- `Dell.CMC.SDK.mp`

Dell EMC Chassis CMC Model: This management pack contains the Classes, Discovery, and Unit Monitor for the Dell EMC Chassis and its components.

- `Dell.View.SDKCMC.mp`

Dell EMC Chassis CMC View: Library file defining the views used by the Dell EMC Chassis Management Controller (CMC) Management Pack.

- `Dell.CMC.OM07.mp`

Dell EMC Chassis Management Controller Management Pack for discovery, monitoring, and trap processing of Dell Chassis with Operations Manager 2007 R2.

- `Dell.CMC.OM12.mp`

Dell EMC Chassis Management Controller Management Pack for discovery, monitoring, and trap processing of Dell Chassis with Operations Manager 2016, Operations Manager 2012 versions. This is the scalable edition.

- `Dell.Chassis.Detailed.mp`

Detailed edition of the Dell EMC Chassis Management Controller Management Pack with Operations Manager 2016, Operations Manager 2012 versions. This management pack supports detailed discovery and monitoring of Dell EMC Chassis and its components.

- `Dell.Model.CMC.mp`

Library file for Dell EMC Chassis monitoring.

- `Dell.OperationsLibrary.CMC.mp`

Library file for Dell EMC Chassis monitoring.

- `Dell.View.CMC.mp`

Library file for Dell EMC Chassis monitoring.

- Remote Access Monitoring

- `Dell.DRAC.OM07.mp`

Dell Remote Access Controller (DRAC) Management Pack for discovery, monitoring, and trap processing of DRAC devices with Operations Manager 2007 R2.

- `Dell.DRAC.OM12.mp`

Dell Remote Access Controller (DRAC) Management Pack for discovery, monitoring, and trap processing of DRAC devices with Operations Manager 2016, Operations Manager 2012 versions.

- `Dell.Model.DRAC.mp`

Detailed edition of the Dell EMC Chassis Management Controller Management Pack with Operations Manager 2016, Operations Manager 2012 versions. This management pack supports detailed discovery and monitoring of Dell EMC Chassis and its components.

- `Dell.OperationsLibrary.DRAC.mp`

Library file for DRAC monitoring.

- `Dell.View.DRAC.mp`

Library file for DRAC monitoring.

- `Dell.View.CMC.mp`

Library file 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 management pack requires `Dell.Model.Server`, `Dell.Model.CMC`, and `Dell.WindowsServer.Scalable`.

- `Dell.DRAC.OM12.mp`

Dell Remote Access Controller (DRAC) Management Pack for discovery, monitoring, and trap processing of DRAC devices with Operations Manager 2016, Operations Manager 2012 versions.

- 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.

- `Dell.Group.Creation.DellProxy.mp`

Dell EMC Group Creation DellProxy: This management pack is to create Proxy VM group in Operations Manager Management Server.

- `Dell.Server.OpenManage.Dashboard.View.mp`

Dell EMC OpenManage Integration Dashboard View: This management pack contains the Dell EMC OpenManage Integration Dashboard View.

- `Dell.Appliance.Information.mp`

Dell EMC Appliance Information Management Pack: This management pack is to facilitate keeping Dell EMC Appliance Information.

- `Dell.SDK.ApplianceIP.Override`

Dell EMC SDK Appliance IP Override Management Pack to facilitate Dell EMC Appliance IP Information.


## Dell EMC Server and Rack Workstation Monitoring:

- 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/Teamed 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 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.

- The Performance Rule "Dell Server (Agent-based) Physical Disk (SSD) Performance," is disabled by default for all Physical Disks and is a part of the Dell Windows Server (Detailed Edition) Management Pack. Enable this rule to generate performance statistics for the Remaining Rated Endurance Level of the SSDs (Solid-State Drives).
- Physical disks connections are not displayed accurately when the disks are connected to different connectors. All connected disks are displayed under a single connector.


## Dell EMC Server and Rack Workstation Monitoring (Licensed):

- To use the Licensed Server features, download the Microsoft WS-Management template from the Microsoft download location as mentioned in the *Dell EMC OpenManage Integration for Microsoft System Center for Operations Manager (SCOM) User's Guide*.
- Performance Unit Monitors are disabled by default. Enable the performance unit monitors to get performance health status.
- Health Monitoring for components under Software RAID controllers is not supported. Data that is required for health monitoring not available from the device for such components.
- Network Link status for PowerEdge FX2/FX2s chassis shows internal NIC connectivity; network cable removal does not affect Network Link status for PowerEdge FX2/FX2s chassis.
- Correlation of the shared storage between Dell EMC PowerEdge VRTX chassis and the server is not available for Dell servers that are discovered through Dell EMC Server and Rack Workstation Monitoring (Licensed) feature; it is supported only for servers that are discovered through the Dell EMC Server and Rack Workstation Monitoring feature.
- Physical disks connections are not displayed accurately when the disks are connected to different connectors. All connected disks are displayed under a single connector.
- Event Auto-Resolution feature is supported only for servers that are discovered through WS-Man. This feature is disabled by default. Enable the feature through Feature Management Dashboard.
- Discovery of the devices should be done in batches, maximum of 250 server batch at a time.
- For the devices discovered through the appliance console, after the first-time discovery component health will be updated after 1 hour.
- When the number of licensed nodes in detailed mode of discovery exceeds the threshold limit and then the monitoring mode using licensed feature will be automatically switched to scalable mode.
- In Operations Manager, when a Dell EMC Alert Relay Server is added or removed, and then clicking "Sync with SCOM MS" on the OpenManage Integration Dashboard is mandatory for proper workflow distribution in the all Alert Relay Server resources.
- In upgrade situation from previous versions, install newer version of Dell EMC OpenManage Integration with Microsoft System Center Operations Manager by enrolling SCOM Management Group to OMIMSSC appliance. After this user discovers same devices by synchronizing devices from Operations Manager to OMIMSSC or by directly Dell EMC OMIMSSC dashboard, for older discovered devices empty discovery data will be submitted which will clear previously discovered device objects.

 **NOTE:** Older versions of management packs should be deleted only after 30 days of new discovery.


## Dell EMC Chassis Monitoring:

- In Slot Discovery, the slot name for the slots containing FD332 Storage block, will be shown as SLOT-(Slot Number).
- Slot names that are displayed by Dell Chassis Slot Discovery may differ from the slot names that are shown by the Dell Chassis web console.
- To monitor the alerts of Chassis devices, associate the community string Run As account with the SNMP Monitoring Account with the target as Dell Modular Chassis class or respective Chassis object (if you have different Run As accounts for different Chassis devices).
- Health Monitoring of PCIe devices is not supported in the Dell EMC Chassis Detailed Monitoring feature.
- Chassis Power Consumption performance metrics are supported in the Dell EMC Chassis (Detailed Edition) Management Pack. Enable Metrics in Dell EMC OpenManage Dashboard to generate performance statistics for Chassis Aggregate Power consumption.
- In upgrade situation from previous versions, install newer version of Dell EMC OpenManage Integration with Microsoft System Center Operations Manager by enrolling SCOM Management Group to OMIMSSC appliance. After this user discovers same devices by synchronizing devices from Operations Manager to OMIMSSC or by directly Dell EMC OMIMSSC dashboard, for older discovered devices empty discovery data will be submitted which will clear previously discovered device objects.

 **NOTE:** Older versions of management packs should be deleted only after 30 days of new discovery.

## Health Unit Monitoring

OMIMSSC periodically polls the health of devices and communicates health changes to Operations Manager as alerts. The Health Unit Monitors for Monitoring features consume these events and update the health of the devices and components Operations Manager objects appropriately. The polling cycle duration can be changed or overridden in the Dell EMC OpenManage Integration Dashboard.

 **NOTE:** Even though the Health Unit Monitors are Event-based, since these events are generated by OMIMSSC Appliance after every polling cycle, the health state from the devices in SCOM gets updated only after the polling cycle.


## Where to get help

Dell Technologies maintains support pages for all products at [www.dell.com/support](http://www.dell.com/support).

The product support pages provide important information about the products. This information includes product and user documentation, knowledge base articles, drivers and other software installation packages downloads, advisories, knowledge base articles, and more.

A valid support contract and registration may be required to access all the information available on the product support sites.

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.