

Dell EMC OpenManage Enterprise-Modular Edition Version 1.00.01 for PowerEdge MX7000 Chassis

Release Notes

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.

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Release summary

The Dell EMC OpenManage Enterprise - Modular is a system management hardware and software solution for managing the Dell EMC PowerEdge MX7000 chassis.

Version

1.00.01

Release date

September 2018

Priority and recommendations

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).

Compatibility

Supported systems

Chassis

- Dell PowerEdge MX7000

Sleds

- Dell PowerEdge MX740c
- Dell PowerEdge MX840c
- Dell PowerEdge MX5016s

I-O Modules

- PowerEdge MX 25Gb — Ethernet Pass-Through Module
- PowerEdge MX 10GBASE-T — Ethernet Pass-Through Module
- PowerEdge MX5000s — SAS Switch
- Dell EMC MX9116n — Fabric Switching Engine
- Dell EMC MX7116n — Fabric Expander Module
- Dell EMC MX5108n — Ethernet Switch
- Dell EMC MXG610s — Fibre Channel Switch

Supported web browsers

- Google Chrome version 63
- Google Chrome version 64
- Mozilla Firefox version 57
- Mozilla Firefox version 58
- Microsoft EDGE
- Microsoft Internet Explorer 11
- Safari version 11

New and enhanced features

- Provides a unified management interface for compute, storage, and networking components.
- Provides end-to-end lifecycle management of all components.
- Manages up to 10 chassis using a single interface—web or RESTful interface.
- Manages fabric switch engines in SmartFabric Services mode across all chassis.

Fixes

Not applicable.

Important Notes

Security

OpenVAS vulnerability scanner may report the following issues:

- NVT: OpenSSH 'sftp-server' Security Bypass Vulnerability (Linux) (OID: 1.3.6.1.4.1.25623.1.0.812051). This is a false positive based on the OpenSSH version that OME-Modular carries. No SFTP is exposed or supported.
- NVT: SSH Weak Encryption Algorithms Supported (OID: 1.3.6.1.4.1.25623.1.0.105611). OME-Modular supports secure algorithms and upgrades SSH clients to the appropriate option. Configure your SSH client to auto-negotiate the crypto algorithms used.

Security best practices

- SNMP
 - Security scanners may flag SNMP. If you do not use SNMP in your deployment, you can disable SNMP.
 - If SNMP is required, it is recommended that the default community name is changed from `public`.
- By default, a self-signed certificate is generated to enable HTTPS communication. It is recommended that a CSR is generated and a valid, non-self signed certificate is installed.

In addition to improving the security of OME - Modular, taking these actions eliminates warnings produced by vulnerability scanners relating to the default self-signed web server certificate and default SNMP community name.

Known issues

Incorrect information for IOMs displayed in the Help for Fabrics Topology

Description	The port details for MX5108n and MX9116n IOMs, and the bandwidth mentioned in the OME–Modular Help for Fabric Topology are incorrect.
Workaround	N/A
Systems affected	All systems supported by this release
Tracking number	102685

Unable to restore network configuration attributes

Description	The restore operation does not restore the network configuration attributes— Network Auto Negotiation , Network Speed , and Duplex Mode .
Workaround	Log in to OME–Modular, go to Chassis Settings > Network and configure the network settings— Network Auto Negotiation , Network Speed , and Duplex Mode .
Systems affected	All system supported by this release.
Tracking number	107884

OME-Modular to iDRAC Single Sign-On may not work with CSR generated certificates

Description	The iDRAC has a limit of 2810 bytes for SSO server certificates. If the CSR-based server certificate exceeds 2810 bytes, OME–Modular cannot configure iDRACs in the chassis for Single Sign-On (SSO).
Workaround	If CSR generated certificates exceeding 2810 bytes are required then, use non-SSO based mode to log in to iDRAC.
Systems affected	PowerEdge MX740c, PowerEdge MX840c
Tracking number	106477

Fault list does not contain HWC2131

Description	The hardware log contains the entry HWC2131 "The Management Module cannot communicate with the right control panel because of internal issues". However, this error message is not displayed on the Chassis Fault List on the dashboard. This issue can occur during the management module firmware update.
Workaround	If the hardware log message HWC2131 was generated during a management module firmware update, ignore the message.

Systems affected PowerEdge MX7000
Tracking number 108458

Unable to perform simultaneous firmware update of storage sleds and storage IOMs

Description Sometimes, during a compliance report based update, if the firmware update of storage sleds is scheduled with storage IOMs (PowerEdge MX5000s, MXG610s), the update fail.

Workaround Schedule separate jobs for storage sleds and SAS IOMs.

Systems affected PowerEdge MX5016s, PowerEdge MX5000s, MXG610s

Tracking number 107979

Chassis KVM output may be lost after AC power outage in chassis

Description If the compute sleds have NVDIMMs and if AC power is lost while the NVDIMM is in read or write mode, the KVM output may not be restored when the AC power is restored.

Workaround Reset the management module twice or perform failover on the management module twice using OME–Modular web interface or RACADM. To perform a reset using the OME–Modular web interface, go to **Home > Troubleshoot > Reset Management Module**.

Systems affected MX7000

Tracking number 108499

Deployment and Configuration jobs fail with a root password update error

Description If a slot is configured with both Quick Deploy and a profile, and you insert a computer sled, the root password may not be applied. In such cases, the jobs fail with the following error: Update root password failed to execute.

Workaround Reset the iDRAC root password manually from the OME–Modular **Quick Deploy** page or from the **Settings** page of the affected compute sled.

Systems affected PowerEdge MX740c, PowerEdge MX840c

Tracking number 108964

ISL Cabling Diagram not shown correctly in Microsoft Edge and Internet Explorer

Description During fabric creation, a diagram of the selected Fabric Design is displayed. The diagram indicates the type of IOMs used and ISL cabling between them. Internet Explorer and Edge do not display these diagrams correctly and may display black shapes instead of the correct ISL cabling.

Workaround Use Chrome or Firefox. If you cannot use either of these browsers, the fabric creation workflow provides a printable summary of the defined fabric that you can use to view the image correctly.

Systems affected MX9116n, MX7116n

Tracking number 107300

Unable to view details of template created from a reference device

Description If you create a template using a reference device and that device is then removed from the chassis, you cannot view all the attributes captured in that template through the OME–Modular web interface. The template can still be deployed or used normally.

Workaround To view the template attributes on the web interface, wait for the chassis inventory to be refreshed. The inventory is refreshed automatically every 30 minutes. You can also manually refresh the inventory using the OME–Modular web interface.

Systems affected PowerEdge MX7000, PowerEdge MX740c, PowerEdge MX840c

Tracking number 107891

Incorrect FCoE virtual MAC address displayed

Description In certain scenarios, the FCoE virtual MAC address details may not be displayed correctly.

Workaround When using the Identity Pools feature, follow these guidelines to prevent duplicate addresses from being deployed. When using template deployment to assign virtual identities to a system, ensure the following:

- If deploying a template to a sled, use the OME–Modular web interface to reassign the template to the slot before removing the sled from the chassis. On the details page of the sled, the option **Associate Profile to Slot** makes the necessary change.
- If the template is not reassigned to the sled, the virtual identities associated with the sled are made available for reuse immediately after the sled is removed.
- The chances of duplicate identities being assigned decreases as the size of the virtual address pool grows. A larger pool of identities reduces the chance of redeployment.

Systems affected PowerEdge MX7000

Tracking number 108238

OME–Modular can become unresponsive and display an error message

Description If the page is partially loaded and is stuck for 10 minutes or more, the message, An application request timed out. Please contact your support representative if the issue persists., is displayed on the bottom right side of the page.

Workaround Log out, and log in again.

Systems affected PowerEdge MX7000

Tracking number 107168

Firmware catalog may be deleted automatically after editing

Description	If you enter incorrect information while editing a firmware catalog, the catalog may be deleted from OME-Modular.
Workaround	If you want to modify the catalog source or repository location, it is recommended that you create a catalog instead of editing the existing catalog. Editing the existing catalog is prone to errors.
Systems affected	PowerEdge MX7000
Tracking number	106989

Error displayed when creating a local user account under certain conditions

Description	You may encounter the error, <code>Error - User could not be saved</code> when performing the following tasks: <ol style="list-style-type: none">1 Create a new local user account in OME-Modular.2 Update the new user account name without changing the password.3 Delete the user account.4 Create a new local user account using the original account name.
Workaround	<ol style="list-style-type: none">1 Always update the user account password when modifying the user account name.2 Run the <code>racadm racresetcfg</code> command to restore OME-Modular to factory defaults.3 You can use the same username with different cases as user account names are case insensitive. For example: "test01" and "Test01"
Systems affected	PowerEdge MX7000
Tracking number	105270

Error may be displayed while creating an HTTPS firmware catalog share

Description	If you use an FQDN for the share address and select the Certificate Check option while creating an HTTPS firmware catalog, the error message, <code>Error occurred while retrieving certificate information</code> , is displayed.
Workaround	Use an IP Address instead of an FQDN. The Certificate Check passes, and the expected FQDN listed is displayed during the certificate check.
Systems affected	PowerEdge MX7000
Tracking number	103960

Cannot perform a graceful shut down of all compute sleds

Description	When using the option to select Across all pages on the Compute Devices grid, the Power Off (Graceful) option is not displayed.
Workaround	<ul style="list-style-type: none">· Select compute sleds individually and perform a graceful power off operation.· Filter the All Devices page to view only compute sleds and then perform a power off operation.
Systems affected	PowerEdge MX740c, PowerEdge MX840c
Tracking number	108133

Check Compliance operation fails to run and no error message is displayed

Description	Even if a compliance report contains devices that you do not have permission to manage, the Check Compliance button is still enabled. When you click Check Compliance , no error message is displayed but the compliance report is not updated.
Workaround	Ensure that you have the permission to manage all devices contained within a compliance report before running a compliance check.
Systems affected	All systems supported by this release.
Tracking number	108258

Unable to deploy chassis profile after removing syslog or SNMP destinations

Description	If you have administrator privileges and export a chassis profile and attempt to deploy the profile after removing the syslog or SNMP destination, the deployment fails.
Workaround	Do not delete any syslog or SNMP destinations manually from an exported chassis profile. Instead, let the destination entry be blank.
Systems affected	PowerEdge MX7000
Tracking number	104215

Unable to edit firmware catalog in specific scenarios

Description	When an existing firmware catalog is updated using Configuration > Firmware > Catalog Management > Edit to point to a catalog with incorrect repository credentials, OME-Modular does not refresh the catalog information.
Workaround	Remove the catalog and add a new one with the desired repository details.
Systems affected	PowerEdge MX7000
Tracking number	106990

Unable to restore iDRAC from the lead chassis

Description	The iDRAC restore operation performed from the lead chassis fails.
Workaround	Retry the restore operation to successfully restore the configuration and firmware.
Systems affected	All system supported by this release.
Tracking number	108114

Unable to export chassis profile using hostname or FQDN

Description	When you export a profile using hostname or FQDN of the network share address, the export profile task fails with the message <code>Kindly provide valid input values. Check help for details..</code>
Workaround	Use the IP address of the share server instead of hostname or FQDN .
Systems affected	MX7000
Tracking number	108459

Request to join a group fails when using Microsoft Edge or Internet Explorer

Description	If you use Microsoft Edge or Internet Explorer to initiate an action to join a multi-chassis group, the action may fail. OME–Modular loads portions of the application as they are needed. Environmental factors such as network disruption, web browser choice, and version, may disrupt that process.
Workaround	If the OME–Modular web interface is behaving unexpectedly, these troubleshooting steps address most issues: <ul style="list-style-type: none">· Refresh the web browser to reload the application.· Verify network connection stability.· Use Chrome or Firefox.
Systems affected	PowerEdge MX7000
Tracking number	107147

Firmware update for compute sleds in a member chassis fails when using the Dell online repository

Description	In a multi-chassis environment, if you use the Dell online repository, firmware update of compute sleds in member chassis fails.
Workaround	Use a single DUP update method from the lead chassis or perform the updates from the member chassis using a PDK catalog.
Systems affected	All systems supported by this release.
Tracking number	108884

Firmware update for compute sleds in member chassis fails when using validated stack repository method

Description	In a multi-chassis environment, if you use a validated stack repository from the lead chassis, firmware update of compute sleds in member chassis failed.
Workaround	Use a single DUP update method from the lead chassis or perform the updates from the member chassis using a PDK catalog.
Systems affected	All systems supported by this release.
Tracking number	108947

Devices may not appear after being moved from the lead chassis to a member chassis

Description	In a multi-chassis management (MCM), if you move a device from the lead chassis to one of the member chassis, the change may not be displayed immediately in the lead chassis inventory. This issue does not occur when moving a device between member chassis, or from a member chassis to the lead chassis.
Workaround	Wait for the scheduled automatic inventory refresh to complete. This refresh happens every 30 minutes.
Systems affected	All systems supported by this release.
Tracking number	108286

Firmware update of compute sleds fails

Description	If you schedule a firmware update job for the compute sleds and the management module together, the firmware update for compute sleds may fail. In a multi-chassis scenario, the management module and sled firmware update actions run in parallel. The management module firmware update causes the management module to reboot, which causes the the sled firmware update to fail.
Workaround	Perform firmware update for management module and the compute sleds separately.
Systems affected	All systems supported by this release.
Tracking number	108123

Set Proxy operation fails when using a hostname ending with a numeric character

Description	While setting the proxy server, if the hostname ends with a numeric character, the proxy settings cannot be saved. For example, setting the proxy server to <i>hostname123</i> fails.
Workaround	Use either FQDN or IP address for the proxy server address.
Systems affected	PowerEdge MX7000
Tracking number	109454

Emails not sent as part of alert policy on FIPS enabled systems

Description	If SMTP settings are configured with SSL enabled on a FIPS-enabled system, mails are not sent as part of an alert policy.
Workaround	To receive emails, disable SSL for SMTP when FIPS mode is enabled.
Systems affected	PowerEdge MX7000
Tracking number	109796

Deployment and configuration jobs not triggered for newly inserted servers

Description	When Quick Deploy is configured for all chassis slots, the Deployment and Configuration jobs are not triggered for newly-inserted servers.
Workaround	After inserting servers, manually refresh the inventory through the OME-Modular web interface (Devices > Chassis > blue refresh icon).
Systems affected	PowerEdge MX7000, PowerEdge MX740c, PowerEdge MX840c
Tracking number	109724

Unable to migrate profile after detaching profile

Description	After detaching a profile from a slot and attempting to migrate the profile to a different server, the following error message is displayed: <code>Unable to migrate profile because deployment in progress.</code>
Workaround	Select the Edit Profile option on the server where the profile is detached and save the profile settings. This detaches the profile from the server and makes it available for migration.
Systems affected	PowerEdge MX740c, PowerEdge MX840c
Tracking number	109879

Unable to log in to the chassis if the password contains certain special characters

Description	When the user account password contains special characters such as <code>" +?>-} ,[:]/=<:{ ^~"</code> , you may be unable to log in using SSH, Serial, or KVM. You can log in using the web interface and remote RACADM.
Workaround	Do not use special characters in account passwords.
Systems affected	PowerEdge MX7000
Tracking number	110160

Lead chassis displays incorrect OME–Modular version for member chassis in domain-related APIs

Description	The lead chassis shows incorrect OME–Modular version for member chassis after upgrading the member chassis to the latest OME–Modular firmware using the following APIs: <ul style="list-style-type: none">• <code>/api/ManagementDomainService/Domains</code>• <code>/api/ManagementDomainService/PendingDomains</code>• <code>/api/ManagementDomainService/DiscoveredDomains</code>
Workaround	<ul style="list-style-type: none">• Remove and add member to the group again.• Use the web interface to see the OME–Modular version on the member chassis.
Systems affected	PowerEdge MX7000
Tracking number	109587

Firmware updates for compute sleds fail in multi-chassis environment

Description	While updating compute sleds in MCM, the update sometimes fails for one of the compute sleds with the following message: <code>Internal Error Occurred</code> .
Workaround	Retry the updates on the failed compute sled.
Systems affected	All systems supported by this release.
Tracking number	107401

Firmware update job status displayed incorrectly

Description	OME–Modular firmware update job status may be displayed as Completed though it failed. This issue affects only OME–Modular update.
Workaround	Retry the update.
Systems affected	All systems supported by this release
Tracking number	110520

Using special characters while setting iDRAC password causes error

Description	Using the special character, <code>^</code> , while setting an iDRAC password from Devices > Compute > View Details > Settings > Management page, causes an error.
Workaround	Log in to the iDRAC console to set the iDRAC password.
Systems affected	PowerEdge MX740c, PowerEdge MX840c
Tracking number	110940

Single MM chassis loses connectivity after external port link change

Description	Single MM chassis that is connected to a switch, which does not emit LLDP, loses connectivity if the link state changes.
Workaround	<ol style="list-style-type: none">1 Enable LLDP on connected switch.2 Install a second MM.3 Reset through chassis KVM, serial port RACADM, or physically reseal the MM.
Systems affected	All systems supported by this release.
Tracking number	110421

Limitations

- 1 OME–Modular is supported only on TLS 1.2 and later. Versions earlier than 1.2 may or may not work. Also, support for earlier versions of TLS is not provided.
- 2 When navigating to the console for the first time, a blinking cursor does not appear in the text fields. This is owing to a bug in Chrome. For details and current status, see bugs.chromium.org/p/chromium/issues/detail?id=740652.
- 3 When using Firefox on Windows Server 2012, the 'up' and 'down' buttons in a numeric input field are not displayed correctly. This bug exists in Firefox since version 37. However, the manual input of values is not impacted. For details, see bugzilla.mozilla.org/show_bug.cgi?id=1158435.
This issue also affects other versions of Firefox depending on the positioning of the numeric input. The numeric up and down buttons are not sized correctly when used in a data grid in MCSI. However, the manual input of values is not impacted. For details, see bugzilla.mozilla.org/show_bug.cgi?id=947365.
- 4 An open-source component used for certain selection inputs may not respond to arrow key presses. This issue is currently limited to the AD/LDAP import wizard. For details, see github.com/select2/select2/issues/3472.
- 5 The HTML titles that consist of long strings of text are truncated in Internet Explorer (IE) and Microsoft Edge, if the text has no spaces or punctuation. This is the default behavior of IE and Microsoft Edge.
- 6 Internet Explorer has performance issues related to DOM rendering and manipulation, both of which are widely used in a single-page application. For details, see developer.microsoft.com/en-us/microsoft-edge/platform/issues/7636678/.
These issues result in poor performance in AngularJS and many other open-source UI components. For details, see github.com/angular/angular.js/issues/12563 and github.com/angular-ui/ui-grid/issues/5855.

Version upgrades or design changes may be explored in future releases, which may help reduce these performance issues in IE. However, the possibilities for improvement may be limited as Microsoft is not actively developing IE. For alternatives, refer to the list of approved and supported browser versions.

Installation

See the *Dell EMC OpenManage Enterprise - Modular Edition Version 1.00.01 for PowerEdge MX Chassis User's Guide* for the following information:

- Prerequisites
- Hardware and software requirements
- Installation and configuration

Topics:

- [Downloading OME-Modular firmware](#)
- [Updating firmware in OME-Modular](#)

Downloading OME-Modular firmware

To download the latest OME-Modular firmware:

- 1 Go to dell.com/openmanagemanuals.
The **Enterprise Systems Management** page is displayed.
- 2 Click **Dell OpenManage Enterprise**.
The **Dell OpenManage Enterprise** page is displayed.
- 3 Click **Dell OpenManage Enterprise Modular Version 1.00.01 for Dell PowerEdge MX7000**.
The **Support for Dell OpenManage Enterprise-Modular Version 1.00.01 for Dell PowerEdge MX7000** page is displayed.
- 4 On the left panel, click **Drivers & downloads**.

Updating firmware in OME-Modular

You can update the firmware in OME-Modular OME Modular using the following methods:

- 1 Individual package method—Through OME-Modular web interface or CLI (REST)
- 2 Catalog-based compliance method

To update the firmware using the Individual package method:

- 1 Download the DUP from the dell.com/support/drivers.
- 2 On the OME-Modular web interface, navigate **Devices > Chassis** and select the chassis for which you want to update the firmware.
- 3 Click **Update Firmware**.
The **Select Firmware Source** window is displayed.
- 4 Select the **Individual package** option and click **Browse** to navigate to the location where you have downloaded the DUP and click **Next**. Wait for the comparison report. The supported components are displayed..
- 5 Select the required components, for example: OME-Modular, and click **Update** to start the firmware update.
You can schedule the update process to start at the time you want.
- 6 Select the required components, for example: OME Modular, and click **Update** to start the firmware update.
- 7 Navigate to the **Monitor > Jobs** page to view the job status.

NOTE: The console is inaccessible during and after the OME-Modular update process.

Catalog-based compliance method

To update the firmware using the catalog-based method:

- 1 Download the DUP from the dell.com/support/drivers.
- 2 Use the Dell Repository Manager (Repository Manager) to create the **catalog.xml** file.
- 3 Place the **catalog.xml** that you created using Repository Manager, in a shared location.
- 4 Navigate to the **Configuration Firmware** page to create the catalog and baseline.
- 5 On the OME–Modular web interface, navigate to the **Devices > Chassis** page.
- 6 Click the **Update Firmware**.
The **Select Firmware Source** window is displayed.
- 7 Select the **Baseline** option and select the required baseline from the drop-down.
- 8 Select the OME–Modular component from the comparison report.
The supported components are displayed.
- 9 Select the required components, for example: OME–Modular, and click **Update** to start the firmware update.
- 10 Navigate to the **Monitor > Jobs** page to view the job status.

NOTE: Click **Configuration > Firmware > Catalog Management > Add to download the catalog from the dell.com/support**.

For more information, see the Dell EMC OpenManage Enterprise-Modular Edition Version 1.00.01 for PowerEdge MX Chassis User's Guide, available at dell.com/openmanagemanuals.

Resources and support

For more information about the features of this release, see the documentation for OpenManage Enterprise Modular (OME-Modular) available at www.dell.com/manuals.

Latest Release Notes

To access the latest Release Notes for this version:

- 1 Go to www.dell.com/openmanagemanuals.
- 2 Click **Dell OpenManage Enterprise**.
- 3 Click the link for this version of OME-Modular.
- 4 Click **Manuals & documents**.

Accessing documents using direct links


You can directly access the documents using the following links:

Table 1. Direct links for documents

URL	Product
www.dell.com/openmanagemanuals	OpenManage Enterprise Management
www.dell.com/idracmanuals	iDRAC and Lifecycle Controller
www.dell.com/serviceabilitytools	Serviceability Tools
www.dell.com/omconnectionsclient	Client System Management
www.dell.com/esmmanuals	OpenManage Connections Enterprise Systems Management

Accessing documents using product selector

You can also access documents by selecting your product.

- 1 Go to www.dell.com/support.
 - 2 Click **Browse all products**.
 - 3 Click the desired product category, such as Servers, Software, Storage, and so on.
 - 4 Click the desired product and then click the desired version if applicable.
-  **NOTE:** For some products, you may need to navigate through the subcategories.
- 5 Click **Manuals & documents**.

Contacting Dell EMC

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell EMC 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 EMC for sales, technical support, or customer service issues, see www.dell.com/contactdell.