Dell EMC OpenManage Enterprise-Modular Edition Version 1.20.10 for PowerEdge MX7000 Chassis

Release Notes

Notes, cautions, and warnings

(i) **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.**

Contents

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

1.20.10

Release date

August 2020

Priority and recommendations

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

Compatibility

Topics:

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 83
- Google Chrome version 84
- Mozilla Firefox version 77
- Mozilla Firefox version 78
- Microsoft EDGE 83
- Microsoft EDGE 84
- Microsoft Internet Explorer 11
- Safari version 12
- Safari version 13

New and enhanced features

This release of OME-Modular supports:

- Quad-Port Ethernet adapters in up to five MX7000 chassis in a scalable fabric.
- Up to 512 VLANs per fabric, 256 VLANs per server port, and up to 512 VLANs per uplink.
- The category, "Unknown" in compliance reports for components that are not supported in catalogs.
- Additional topologies for Fabric Expander Module connectivity.

Fixes

Topics:

Reclaim identities task

Fixed an issue that was causing the reclaim identities or detach profile task to fail, when the associated identity pool did not have enough identities to reserve.

Tracking number

168225

Duplicate or missing devices

Fixed an issue that was causing duplicate or missing devices in the list of devices that was fetched using the API, `/api/ DeviceService/Devices.`

Tracking number

169223

Important Notes

Topics:

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 autonegotiate the crypto algorithms used.

Security best practices

- SNMP
  - Security scanners may identify SNMP. If you do not use SNMP in your deployment, you can disable SNMP.
  - If SNMP is required, Dell EMC recommends that the default community name is changed from `public`.
- By default, a self-signed certificate is generated to enable HTTPS communication. Dell EMC recommends generating a CSR and installing a valid non-self signed certificate.

Besides improving the security of OME-Modular, these actions eliminate warnings that are produced by vulnerability scanners relating to the default self-signed web server certificate and default SNMP community name.

(i) **NOTE:** Dell EMC recommends changing the default password for OME–Modular.

Ethernet Switch firmware update

For instructions about updating network IOMs, see the *Dell EMC OpenManage Enterprise - Modular Edition Version 1.20.10 for PowerEdge MX Chassis User's Guide*.

(i) **NOTE:** You can update up to six IOMs simultaneously. However, the OME-Modular web interface displays a recommendation message to update only four IOMs simultaneously to ensure network stability.

Upgrading or downgrading OME-Modular

Clear the browser cache before or after upgrading or downgrading OME-Modular.

Known issues

Topics:

Deployment and Configuration Job created multiple times for some sleds during Quick Deploy and Attach operation for sleds

Description	In MCM Setup, the "Deployment and Configuration" job is created multiple times for some sleds during **Quick Deploy** and **Attach** operation. Jobs fail due to the duplicate deployment.
Workaround	Ignore the failed deployment jobs. The duplicate jobs do not result in any issue.
Systems affected	All systems supported in this release
Tracking number	141623

Error while assigning identities

Description	While assigning identities on the **Template Deployment** > **Reserve Identities Error** page, you may get the errors, "Error assigning Identities" and "An application request timed out. Please contact your support representative if the issue persists." The errors are displayed when many devices are selected or the system is busy to process all selected devices before the OME-Modular Web interface timeout occurs.
	The number of devices which can be processed varies based on several factors including the contents of the server configuration templates, configured pools, number of identities, and types of identities.
Workaround	Select fewer devices for deployment or try again later when the system is not busy.
Systems affected	The OME-Modular console during server file deployment.
Tracking number	142004

Advanced Filter option not working in Audit Logs

Description	On the **Audit Logs** page, the **Advanced Filter** does not work when you enter search text containing special characters such as accented vowel.
Workaround	Use filter search on other parts of the text which do not use UTF-8 characters.
Systems affected	All systems supported in this release
Tracking number	154213

Disabled NPAR NIC partitions enabled and listed in iDRAC and operating system after template deployment

Description	A reference template, containing configuration changes for BIOS, NIC, and iDRAC was deployed on compute sleds in the chassis. The NIC configuration is N-PAR enabled. The first NIC partition is enabled, the second partition is enabled with FCoE, while the third and fourth partitions are disabled for A and B Fabric. After the template is deployed, the third and fourth NIC partitions must be disabled. But, all partitions are NIC enabled.
Workaround	- Redeploy the template that has virtualization mode and NIC partition changes. - Create two jobs—one for changing the virtualization mode and the other for changing NIC partitions. After the virtualization mode is complete, initiate a job for NIC partition changes.
Systems affected	All systems supported in this release
Tracking number	166566

Job created for all targets instead of filtered or selected targets

Description	Performing a device action on specific devices across multiple pages while filtering devices on a chassis, ignores the chassis filter. Instead, the device action targets all devices across all the pages.
Workaround	Alternate filters can be used when performing a device action. Chassis filters can be used, but only for devices on that page, not across all pages.
Systems affected	All systems supported in this release
Tracking number	174294

Storage devices reported as unknown even though catalog contains storage firmware

Description	For storage devices on member chassis, the device compliance status is reported as "Unknown".
Workaround	Trigger the inventory of the storage sled manually and rerun the compliance task.
Systems affected	All systems supported in this release
Tracking number	174410

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. A blinking cursor is not displayed in the text fields when going to the console for the first time. This is owing to an issue in Chrome. For details and status, see bugs.chromium.org/p/chromium/issues/detail?id=740652.
3. The 'up' and 'down' buttons in a numeric input field, when using Firefox on Windows Server 2012, are not displayed correctly. The issue exists from Firefox 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 that is used for certain selection inputs may not respond to arrow key presses. The issue is limited to the AD/LDAP import wizard. For details, see github.com/select2/select2/issues/3472.
5. If the text has no spaces or punctuation, the HTML titles containing long strings of text are truncated in Internet Explorer (IE) and Microsoft Edge. This is the default behavior of IE and Microsoft Edge.
6. Internet Explorer has performance issues that are 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 developing IE. For alternatives, see the list of approved and supported browser versions.

7. While uploading a DUP using Microsoft Edge, the upload progress bar always shows 0%.
8. The array, `ComponentComplianceReports`, is expanded by default. The navigation link is no longer in the payload.
9. Some OME-Modular web interface sessions are not terminated even after the web interface inactivity timeout value expires. The session works if the browser is in the foreground or if you close the browser and enables the session to expire. Browsers such as Chrome contain a flag that facilitates disabling the throttle. This enables the automatic logout to work irrespective of browser being in the background or foreground.
10. The Chassis Direct sessions through MacBook may result in display of the alerts. In such cases, do not replace the hardware. Physically reseat the Chassis Direct USB connection.
11. On the **Jobs** page, the last run date for some jobs is displayed as 1970. In such cases, do not replace hardware. OME-Modular reverts to the correct date and timestamp once the management module syncs with its time source.
12. Alert policy configurations are deleted after downgrading OME-Modular firmware. Configure the alert policies after OME-Modular firmware downgrade is completed.
13. The **HTTPS Test connection** feature does not work. Ignore the test connection error message, and download the Catalog using valid credentials.
14. CIFS path names beginning with back slash (\), are not supported despite the OME-Modular share validation being successful.

8

Installation

See the *Dell EMC OpenManage Enterprise - Modular Edition Version 1.20.10 for PowerEdge MX Chassis User's Guide* for the following information:

● Prerequisites
● Hardware and software requirements
● Installation and configuration
● Updating MX7000 components using OME-Modular 1.20.10

Topics:

· Updating firmware in OME-Modular

Updating firmware in OME-Modular

For steps to update firmware using the individual package or catalog, see the *Dell EMC OpenManage Enterprise-Modular Edition Version 1.20.10 for PowerEdge MX7000 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 https://www.dell.com/openmanagemanuals.

Latest Release Notes

To access the latest Release Notes for this version:

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

Accessing documents using direct links

You can directly access the documents using the following links:

Table 1. Direct links for documents

URL	Product
https://infohub.delltechnologies.com/t/mx-series-modular-switches-poweredge-mx-7/	PowerEdgeMX Networking Whitepapers and videos
https://www.dell.com/openmanagemanuals	OpenManage Enterprise Management
https://www.dell.com/idracmanuals	iDRAC and Lifecycle Controller
https://www.dell.com/serviceabilitytools	Serviceability Tools
https://www.dell.com/omconnectionsclient	Client System Management
https://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 **https://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 have to go through the subcategories.
5. Click **DOCUMENTATION**.

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 https://www.dell.com/contactdell.