

## Dell PowerEdge MX Modular Deploy 2023

### Certification Description



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#### Certification Overview

This certification validates the ability to perform intermediate skill level tasks in configuring, installing, managing, upgrading and troubleshooting Dell PowerEdge MX server products.

#### Certification Requirements

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledgebase/skill set through hands-on product experience and/or by consuming the recommended training.
2. Pass the Dell PowerEdge MX Modular Deploy 2023 exam.

Note: These details reflect certification requirements as of October 13, 2023.

The Proven Professional Program periodically updates Certifications to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

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## Exam Overview

This exam assesses the knowledge and skills for successfully configuring, managing, and troubleshooting Dell PowerEdge MX systems.

## Products

Products likely to be referred to on this exam include but are not limited to:

- PowerEdge MX Platform Server Components
- PowerEdge MX Platform Networking Components
- OpenManage Enterprise Modular (OME-E)
- iDRAC9 and Life cycle Controller

## Exam Topics

Topics likely to be covered on this exam include:

### MX-Series Features (27%)

- Describe MX7000 hardware chassis components and numbering schemes
- Compare MX740c/MX750c/MX760c compute sleds and features
- Describe the 1U versus 2U sleds
- Describe MX5016s storage sleds and configurations
- Describe the features of 16G (DDR5, E3 storage, PERC, BOSS-N1, and CAC/PIV)
- Describe network switches and/or I/O fabric
- Describe the ATMOS components

### MX7000 Administration (29%)

- Identify the MX Chassis Management Architecture and define the multi- chassis management groups
- Describe key features of OME-M that support management of the MX7000 chassis
- Configure storage sled management, mapping drives, and drive/enclosure assigned configuration
- Compare the internal storage versus using Fabric C with external storage
- Describe use of slot profiles, creating logs, and the iDRAC Service Module
- Describe how to perform firmware updates with the catalog
- Use key features of iDRAC specific to MX Modular (e.g., resetting iDRAC)
- Describe the main features of Lifecycle Controller

### MX7000 Installation (17%)

- Describe the infrastructure and out-of-the-box setup on an MX7000
- Describe the power-on options
- Employ the Chassis Deployment Wizard to configure the initial chassis.
- Deploy server templates

### MX7000 Implementation (19%)

- Identify hardware requirements of the various MX7000 network configurations (e.g., network cards, switches)
- Implement the Fabric Expander Module with the in-chassis network switch
- Understand the relationship between the Fabrics in Chassis Management Groups and Chassis backup lead
- Describe the initial switch set-up requirements
- Understand the SmartFabric Architecture
- Describe the VLAN Scale and L2 multicast Operation

### MX7000 Troubleshooting (8%)

- Understand MX7000 troubleshooting (e.g., Minimum to POST and alerts)
- Understand the MX7000 troubleshooting logs
- Describe the Left Control Panel LCD PIN Management and/or Right Control Panel Field Replacement Auto-configuration

The percentages after each topic above reflects the approximate distribution of the total question set across the exam.

### Duration

120 minutes

### Recommended Training

The following training is recommended for candidates preparing to take this exam.

Course Title	Course Number	Mode	Available
Dell PowerEdge MX Modular Platform Installation, Implementation, and Administration	ES182SVR00518	On Demand	9/29/23

Note: These exam description details reflect contents as of October 13, 2023.

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