



DELL TRAINING

Dell Emc Poweredge Mx Modular Platform Installation Implementation And Administration

Master Dell EMC PowerEdge MX modular platform installation, implementation, and administration for robust data center solutions.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This comprehensive course is meticulously designed for IT professionals seeking to master the Dell EMC PowerEdge MX Modular Platform. Delving deep into the architecture, components, and operational intricacies, participants will gain hands-on expertise in the installation, implementation, and day-to-day administration of this cutting-edge kinetic infrastructure. You will explore critical areas such as chassis deployment, compute, storage, and networking module integration, as well as the robust management tools essential for optimizing performance and ensuring high availability in modern data center environments. By the end of this training, you'll be adept at leveraging the PowerEdge MX's modularity and flexibility to meet dynamic business demands. This training equips IT professionals with the skills to confidently deploy, manage, and troubleshoot Dell EMC PowerEdge MX environments, translating directly into enhanced operational efficiency and strategic infrastructure planning for their organizations. Mastering this platform offers significant professional benefits, including the ability to design highly scalable and resilient data center solutions, reduce operational overhead through efficient management, and secure critical data infrastructure. It's an essential course for anyone looking to specialize in modern converged and hyperconverged infrastructure solutions, positioning you as a valuable asset in organizations utilizing or planning to adopt Dell EMC's modular server technology.

Level	Intermediate
Vendor	Dell

COURSE CURRICULUM

01 Module 1: Introduction to Dell EMC PowerEdge MX

- Overview of Modular Infrastructure Concepts
- Dell EMC PowerEdge MX7000 Chassis Architecture
- Key Components: Compute, Storage, Networking Modules
- Kinetic Infrastructure and its Benefits
- Introduction to OpenManage Enterprise – Modular Edition (OME-M)

02 Module 2: PowerEdge MX Chassis Installation and Initial Configuration

- Site Preparation and Rack Installation Guidelines
- Chassis Cabling and Powering On Procedures
- Initial OME-M Setup and Network Configuration
- Firmware Updates and Baseline Management
- Licensing and Entitlement Management

03 Module 3: Compute Module Implementation and Management

- Understanding PowerEdge MX Compute Sleds (MX740c, MX840c)
- Installing and Configuring Compute Modules
- Server Profile Creation and Deployment via OME-M
- Boot from SAN Configuration and Best Practices
- Monitoring Compute Resource Utilization and Performance

04 Module 4: Storage Module Implementation and Management

- Exploring PowerEdge MX Storage Sleds (MX5016s)
- Direct-Attached Storage (DAS) Configuration
- Shared Storage Options and Connectivity within MX7000
- Storage Profile Management and Assignment
- Data Protection and Resiliency Best Practices

05 Module 5: Networking Module Implementation and Management

- Introduction to MX I/O Aggregators and SmartFabric Services
- Configuring MX Ethernet Switches (MX9116n, MX7116n)
- Fibre Channel Connectivity and SAN Integration
- Network Virtualization and Multi-Chassis Communication
- Troubleshooting Network Connectivity within the MX Platform

06 Module 6: Advanced Administration and Troubleshooting

- Advanced OME-M Features: Templates, Automation, and API Integration
- Proactive Monitoring and Alerting Strategies
- Log Analysis and Diagnostic Tools
- Common Issues and Troubleshooting Methodologies
- Backup and Restore Procedures for MX Configuration

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Dell EMC PowerEdge MX Infrastructure Engineer**
- > **Modular Data Center Solutions Architect**
- > **Senior Systems Administrator (Dell EMC Environments)**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for effectively undertaking the Dell EMC PowerEdge MX Modular Platform course?

To get the most out of this course, participants should have a foundational understanding of server hardware, networking concepts (including Ethernet and Fibre Channel), and storage technologies. Prior experience with Dell EMC server environments or general data center administration is highly beneficial, though not strictly required, as the course will build upon these core IT infrastructure principles.

Q: How does mastering the PowerEdge MX platform specifically enhance my ability to design and manage modern data center infrastructure?

This course uniquely positions you to design and manage highly agile and scalable data centers by focusing on the PowerEdge MX's kinetic infrastructure. You will learn to dynamically allocate compute, storage, and networking resources, enabling rapid deployment and re-purposing of infrastructure. This mastery translates into reduced operational complexity, optimized resource utilization, and the ability to build future-proof data center solutions that can adapt quickly to evolving business needs, setting you apart in the realm of converged and composable infrastructure.

Q: What practical troubleshooting skills will I gain for Dell EMC PowerEdge MX environments after completing this course?

Upon completion, you will possess robust practical troubleshooting skills for the Dell EMC PowerEdge MX platform. The course covers diagnosing common issues related to chassis health, compute module failures, storage connectivity problems, and networking misconfigurations. You will learn to effectively utilize OME-M's diagnostic tools, interpret system logs, identify root causes, and implement corrective actions, ensuring high availability and minimizing downtime in your

MX infrastructure.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke