



DELL TRAINING

Emc Powermax Vmax Training Course

Master Dell EMC PowerMax VMAX administration. Gain expert skills to deploy and manage high-performance, mission-critical storage for enterprise environments.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This Dell EMC PowerMax/VMAX Training Course at Computer Pride is meticulously designed for IT professionals aiming to master the industry's leading high-end enterprise storage solutions. Dell EMC PowerMax and VMAX systems are the backbone of mission-critical applications across global enterprises, known for their unparalleled performance, extreme scalability, and robust data services. This intermediate-level course dives deep into the architecture, configuration, and management of these powerful platforms, equipping you with the practical skills needed to optimize and maintain complex storage infrastructures.

Throughout this engaging program, you will gain hands-on expertise with core technologies such as HyperMax OS, SRDF for remote replication, and SnapVX for local data protection. You'll learn to provision storage efficiently, integrate hosts seamlessly, monitor performance effectively, and troubleshoot common issues with confidence. The professional benefits of this course are immense; mastering Dell EMC PowerMax/VMAX elevates your profile as a specialist capable of ensuring data availability, optimizing storage resources, and supporting business continuity in demanding IT environments.

By completing this certification, you will not only understand the theoretical underpinnings but also possess the practical ability to implement and manage high-performance storage solutions, directly contributing to the strategic objectives of any organization. Computer Pride is committed to empowering Kenyan IT professionals with globally recognized skills, and this course is a direct pathway to becoming an indispensable asset in enterprise storage management.

Level	Intermediate
Vendor	Dell

COURSE CURRICULUM

01 Module 1: Dell EMC PowerMax/VMAX Architecture and Fundamentals

- Introduction to Dell EMC PowerMax and VMAX Family
- Key Architectural Components: Engines, Directors, Cache, DAEs
- HyperMax OS / Enginuity Operating Environment
- Storage Pooling Concepts: Thin Provisioning, Data Reduction Technologies
- Front-End and Back-End Connectivity: Fibre Channel, iSCSI, FICON
- Understanding RAID Levels and Their Application

02 Module 2: PowerMax/VMAX Provisioning and Host Integration

- Storage Provisioning Workflow: Storage Groups, Volumes, Masking Views
- Host Integration Best Practices: Zoning, LUN Masking
- Implementing Dell EMC PowerPath for Multipathing and Load Balancing
- Managing Host Access and Security on PowerMax/VMAX
- Volume Types: Thin Devices, Thick Devices, Snap Devices
- Capacity Planning and Storage Utilization Management

03 Module 3: Data Protection and High Availability with PowerMax/VMAX

- Local Replication Technologies: SnapVX, TimeFinder Snap, TimeFinder Clone
- Remote Replication with SRDF (Symmetrix Remote Data Facility) Concepts
- SRDF Modes: Synchronous (SRDF/S), Asynchronous (SRDF/A), Adaptive Copy (SRDF/AC)
- Configuring and Managing SRDF/S and SRDF/A Relationships
- Business Continuity and Disaster Recovery Planning with PowerMax/VMAX
- Data at Rest Encryption (D@RE) for Enhanced Security

04 Module 4: Performance Monitoring, Optimization, and Troubleshooting

- Utilizing Unisphere for PowerMax for Performance Monitoring
- Analyzing Performance Metrics and Identifying Bottlenecks
- Performance Tuning Strategies for Different Workloads
- Implementing Quality of Service (QoS) for Service Level Management
- Introduction to Solutions Enabler (SYMCLI) for Advanced Management
- Common Troubleshooting Scenarios and Resolution Steps

05 Module 5: Advanced Management and Automation

- Advanced Unisphere for PowerMax Features and Administration
- Deep Dive into Solutions Enabler (SYMCLI) Commands
- Scripting and Automation Capabilities (REST API Overview)
- Firmware Upgrades and System Maintenance Procedures
- Integration with VMware and other Virtualization Platforms
- Best Practices for PowerMax/VMAX Operations and Lifecycle Management

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Enterprise Storage Administrator (Dell EMC PowerMax Specialist)**
- > **Senior Data Center Solutions Engineer**
- > **IT Infrastructure Architect (High-Performance Storage Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What specific real-world challenges will I be able to solve after completing this Dell EMC PowerMax/VMAX training?

Upon completion, you will be proficient in solving critical enterprise storage challenges such as optimizing performance for high-transaction databases, implementing robust disaster recovery strategies using SRDF, ensuring continuous data availability for mission-critical applications, and efficiently managing multi-petabyte storage environments. You'll also gain the expertise to provision storage securely and troubleshoot complex issues, minimizing downtime and maximizing operational efficiency for your organization.

Q: Is prior experience with Dell EMC storage systems a mandatory prerequisite for enrolling in this intermediate-level course?

While direct prior experience with PowerMax or VMAX systems is not strictly mandatory, this intermediate-level course assumes a foundational understanding of general storage area network (SAN) concepts, Fibre Channel networking, RAID technologies, and basic server operating system administration. Familiarity with any other enterprise storage platform or virtualization concepts (e.g., VMware) would be beneficial, but the course will build upon these fundamental IT infrastructure knowledge areas.

Q: How does mastering Dell EMC PowerMax/VMAX specifically enhance my ability to design and implement robust cloud-integrated storage solutions?

Mastering PowerMax/VMAX equips you with the knowledge of high-performance, resilient storage necessary for

enterprise-grade private and hybrid cloud architectures. You'll learn how to leverage PowerMax's automation capabilities, multi-tenancy features, and consistent performance to design the on-premises storage foundation for cloud environments. This includes understanding how to integrate PowerMax with cloud orchestration tools and virtualized infrastructure to create agile, scalable, and secure storage tiers that meet demanding cloud service level agreements.

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.

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