

VPLEX Management

Course Description

Course Duration

3 Days



Overview

This course provides the learner with an in-depth understanding of how to manage, monitor and maintain a functional VPLEX system. Operational aspects of VPLEX (Local and Metro) using Unisphere for VPLEX and the VPLEX CLI are covered. Lab exercises provide hands-on experience. Provisioning virtualized storage from VPLEX to hosts and performing mobility and mirroring operations on live virtual volumes is emphasized. Integration of VPLEX into existing data centers with live production data and interoperability considerations are included.

Audience

This course is intended for any person who presently or plans to administer or manage VPLEX systems.

Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a student should have knowledge and skills associated with the following:

- Storage Area Network (SAN) concepts
- IP networking basics
- EMC SAN implementation and Connectrix switch administration
- Storage provisioning procedures with EMC arrays
- Basic familiarity with host operating systems: Windows, VMware

Course Objectives

Upon successful completion of this course, participants should be able to:

- Describe VPLEX architecture and product capabilities
- Provision VPLEX virtual volumes to hosts using EMC Unisphere for VPLEX
- Create and configure distributed devices and consistency groups
- Expand a virtual volume

Support Contact

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- List data migration options and perform a data migration
- Describe VPLEX monitoring options, setup monitors and analyze monitoring data

Course Outline

The content of this course is designed to support the course objectives.

- VPLEX Product and Technology Details
 - VPLEX Product Overview
 - VPLEX Architecture and Hardware (VS2 and VS6)
 - VPLEX I/O Operations
 - VPLEX Management Options
- VPLEX Storage Provisioning
 - Storage Provisioning Concepts
 - Storage Provisioning Methods
 - Storage Volume Encapsulation
- Provisioning Distributed Devices
 - VPLEX Distributed Device Concepts
 - VPLEX Distributed Device Configuration
 - VPLEX Failure Scenarios
- Volume Management and Protection
 - Volume Protection and Expansion
 - Data Protection with RecoverPoint
 - Adding RecoverPoint Protection to VPLEX
- Data Mobility
 - Data Mobility Use Cases
 - Data Mobility
 - Data Mobility Tools
- VPLEX Monitoring
 - Role Based Access Control (RBAC)
 - VPLEX Support Integration
 - VPLEX Monitoring Concepts
 - VPLEX Performance Monitoring

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In addition to lecture and demonstrations, this course includes labs designed to allow practical experience for the participant.

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Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

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