

PowerFlex rack Administration (PFRA)

ID PFRA **Price** US \$ 3,300.—(excl. tax) **Duration** 3 days

Please note that prepayment is required for participation in a Dell EMC training course. Participation in a training course is possible for 12 months after booking the course. Cancellations are excluded.

Course Overview

This course focuses on PowerFlex rack (formerly VxFlex Integrated rack) administration and management tasks. It presents tools and processes for monitoring, configuring, and maintaining the PowerFlex rack system.

Who should attend

This course is intended for professionals who are responsible for administrating and maintaining a PowerFlex rack.

Prerequisites

- Understanding of hyperconverged infrastructure and software defined data center
- Understanding of PowerFlex rack fundamentals
- Knowledge of configuring and managing virtual resources using VMware vSphere, or Red Hat Virtualization
- Knowledge of configuring and managing Cisco and Dell networking technologies

Course Objectives

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

- Describe system architecture and operation
- Use administration tools and resources
- Provision and manage storage, and virtual compute and network resources
- Configure and manage data protection
- Monitor and manage alerts, events, and health of the system
- Perform basic maintenance and troubleshooting

Course Content

PowerFlex rack Overview

- Introduction to PowerFlex rack
- PowerFlex Family
- PowerFlex Benefits and Use cases

PowerFlex rack Architecture

- PowerFlex rack Hardware Components
- PowerFlex Integrated rack Network Connectivity
- PowerFlex rack Configurations
- PowerFlex Architectural Basics
- PowerFlex Data Workflows

PowerFlex rack Deployment Options and Management Tools

- PowerFlex Family Deployment Options
- Management Interfaces Overview
- Network and Switch Management
- Lab Exercises

Storage Resource Management

- PowerFlex Storage Constructs
- Service Deployment Workflow using PowerFlex Manager
- Adding Storage Constructs using PowerFlex Manager
- Adding Storage Constructs using PowerFlex Web UI
- Fine Granularity Storage Pool
- Administrating Volumes in PowerFlex Manager
- Administration Volumes in Web UI
- Lab Exercises

Compute Resource Management

- VMware vCenter for Compute Resource Management
- PowerFlex Management Controller Cluster
- PowerFlex Node Cluster
- Provisioning Storage for Production Virtual Machines
- Create Datastore on PowerFlex Volume
- Virtual Machine Deployment Options
- VM Migration
- Red Hat Virtualization Manager for Compute Resource
- Lab Exercises

Network Resource Management

- Network Types
- Access Switch port Configurations
- NS-OX Query Commands
- Logical Networking
- Adding a Production Network
- Adding a Network to a Service
- Lab Exercises

Security and User Management

- User Roles and Authentication
- Managing System Parameters

Data Protection Options

- Rebuild and Rebalance
- Snapshot and Snapshot Policy
- Native Asynchronous Replication
- Maintenance Modes
- CloudLink Integration
- PowerFlex rack-Integrated Data Protection
- Lab Exercises

Monitoring and Troubleshooting

- Monitoring and Troubleshooting
- Virtual Environment Monitoring
- PowerFlex Monitoring
- Hardware Monitoring
- Troubleshooting PowerFlex rack
- Lab Exercises

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