

## PowerFlex rack Administration (PFRA)

ID PFRA Preis US\$ 3.300,- (exkl. MwSt.) Dauer 3 Tage

### Kursüberblick

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.

### Zielgruppe

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

### Voraussetzungen

- 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

### Kursziele

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

### Kursinhalt

#### 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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