

PowerStore Administration: Provisioning and Troubleshooting

OEM: Dell EMC • Code: ESSTGS08347



COURSE DESCRIPTION

Effective management of PowerStore storage appliances enables organizations to perform post-installation and day-to-day administration tasks. This course provides the knowledge and necessary skills to perform administration tasks related to PowerStore file provisioning, VMware provisioning, and troubleshooting.

AUDIENCE PROFILE

- This course is intended for professionals who are positioning, designing, deploying, managing, and supporting solutions using PowerStore systems and VMware.

PREREQUISITES

- Participants must have a suitable knowledge base and skill set including:
- Hardware concepts and technologies used in customer environments
- Software technologies used in customer environments
- Ethernet and TCP/IP networking
- Basic Microsoft Windows user, file, and domain administration
- Basic UNIX/Linux user and file management
- Basic VMware vSphere user and file management
- Fibre Channel Storage Area Networks
- Basic backup and recovery terms and technique

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Upon successful completion of this course, participants should be able to:
- Configure and manage NAS services, SMB shares, and NFS exports
- Create and manage file systems, file system quotas, and NDMP
- Explain how PowerStore integrates with vSphere virtualized environments
- Configure and manage PowerStore storage resources for VMFS datastores, NFS datastores, and vVol datastores
- Troubleshoot PowerStore systems using PowerStore Manager, PowerStore CLI, and Service Console CLI
- Collect logs and data from the system using PowerStore Manager and CLI

- Contain faults and determine the status of components

COURSE OUTLINE

Module 1: PowerStore File Provisioning

- NAS Services
- NAS Servers
- SMB File Sharing
- NFS File Sharing

Module 2: PowerStore Support for Data Virtualization

- PowerStore integration with VMware vSphere
- VASA support
- vVols support
- Provisioning VMFS Datastores
- Provisioning NFS Datastores
- Provisioning vVol Datastores

Module 3: PowerStore Hardware Troubleshooting

- Component LED Troubleshooting
- PowerStore Alerts
- Fault Containment

Module 4: PowerStore CLI

- PSTCLI Overview
- Troubleshooting with PowerStore CLI

Module 5: Service Container

- Service Container Overview
- Collecting Logs with Service Container

Module 6: Data Collection

- Data Collection using Service Container and PowerStore Manager
- Service Commands for Data Collection
- Managing Data Collects with Service Commands

DELIVERY NOTE

- The content of this course is designed to support the course objectives. Practical experience is included throughout the course.

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