DELLTechnologies

Dell PowerProtect DD System Administration
Course Description

Course Duration
40 Hours

Overview

This course provides the knowledge and skills needed for configuring and managing PowerProtect DD systems. The course provides lectures, presentations, reviews, and pointers for further study.

Audience

This course is intended for PowerProtect DD administrators and support personnel who use and administer PowerProtect DD systems.

Prerequisite Knowledge/Skills

Students should understand the following concepts and courses:
- Backup and recovery fundamentals
- Data protection fundamentals
- Dell PowerProtect DD concepts and features

Course Objectives

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

- Monitor a PowerProtect DD system.
- Configure and manage PowerProtect DD network interfaces.
- Access and copy data to the PowerProtect DD system.
- Customize and manage a PowerProtect DD deduplication file system.
- Describe and perform data replication and recovery.
- Describe and configure a PowerProtect DD VTL environment.
- Describe and configure DD Boost in a data protection environment.
- Perform a DD Boost backup.
- Describe capacity and throughput planning.
- Describe and configure Secure Multi-Tenancy.
- Describe and configure Dell Cloud Tier.
- Describe and manage PowerProtect DD resources using PowerProtect DD Management Center.
- Perform backup operations using Smart Scale
- Perform Disaster Recovery Operations using Smart Scale

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1 Dell Way
Round Rock Texas 78682

Course Outline

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

- PowerProtect DD Basic Administration
    - Accessing a PowerProtect DD System
    - Hardware Verification
    - Accessing the System
    - Monitoring the System

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-      – Exploring Licensed Features
-      – Upgrading the PowerProtect DD System
- PowerProtect DD Network Interfaces Administration
  - Configuring Ethernet Interfaces
  - Administering Fibre Channel
  - Administering Link Failover and Aggregation
  - Administering VLAN and IP Alias Interfaces
- PowerProtect DD CIFS and NFS Implementation and Administration
  - Administering Common Internet File System
  - Administering Network File System
- PowerProtect DD File System and Data Management
  - Configuring and Monitoring MTrees
  - Configuring and Monitoring Snapshots
  - Managing Fast Copy
- PowerProtect DD Data Replication and Recovery
  - Exploring Data Replication
  - Configuring Replication
  - Monitoring Replication
  - Data Recovery
- DD Boost Implementation and Administration
  - Exploring DD Boost
  - Configuring DD Boost
  - Using DD Boost with Backup Software
- PowerProtect DD Virtual Tape Library Implementation and Administration
  - Exploring PowerProtect DD Virtual Tape Library
  - Planning for VTL
  - Configuring VTL
- Dell Cloud Tier Implementation and Administration
  - Exploring Dell Cloud Tier
  - Preparing for Cloud Tier
  - Configuring Cloud Tier
  - Managing Data Movement
- PowerProtect DD Data Security Implementation
  - Exploring Retention Lock
  - Administering Data Sanitization
  - Exploring DD Encryption
  - Administering File System Destroy
- PowerProtect DD Secure Multi-Tenancy Implementation and Administration
  - Exploring Secure Multi-Tenancy
  - Configuring Secure Multi-Tenancy

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- PowerProtect DD Capacity and Throughput Planning and Monitoring
    - Exploring Capacity and Throughput Planning
    - Exploring Model Capacity and Throughput Performance
    - Monitoring and Tuning Throughput
    - Monitoring File System Space Usage
    - Exploring File System Cleaning
- Dell PowerProtect DD Management Center Administration
    - PowerProtect DD Management Center Overview
    - Configuring the PowerProtect DD Management Center
    - PowerProtect DD Management Center Interface
- Smart Scale for Dell PowerProtect Appliances Concepts, Implementation, and Administration
    - Smart Scale Introduction
    - Smart Scale with PowerProtect DD Management Center
    - Analyze Smart Scale Components
    - Explore Smart Scale Data Centers
    - Explore the Smart Scale Deployment Wizard
    - Explore Smart Scale System Pools
    - Using Smart Scale in Backup Operations
    - Using Smart Scale in Disaster Recovery Operations

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

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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