

Dell PowerProtect Data Manager Administration

OEM: Dell EMC • Code: ESDPSS08359



COURSE DESCRIPTION

This course provides a comprehensive introduction to Dell PowerProtect Data Manager, covering its user interface, core features, and administrative capabilities. Students will learn to configure protection policies, SLAs, and disaster recovery options. The course includes hands-on labs and explores integration with Microsoft Windows, Linux file systems, virtual machines, Microsoft SQL, and Oracle databases. It also covers installation, asset management, backup and restore procedures, and troubleshooting tools to ensure successful implementation and monitoring.

AUDIENCE PROFILE

- This course is intended for Dell Partners and customers.

PREREQUISITES

- The student must have an understanding of computer storage, networking, and backup concepts.
- Dell PowerProtect DD series appliances.
- Basic Microsoft Windows and Linux file system concepts and administration.
- Dell Microsoft Application Agent
- Microsoft SQL Server and Microsoft Server Management Studio
- Dell Oracle RMAN agent.
- Oracle database administration and Oracle Recovery Manager (RMAN).

COURSE OBJECTIVES

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

- Upon successful completion of this course, participants should be able to:
- Introduce Dell PowerProtect Data Manager and its key features.
- Summarize use cases and integration capabilities.
- Explore the PowerProtect Data Manager UI, banner, and navigation options.
- Explain protection policies, schedules, stages, and SLA/SLO compliance.
- Describe configuration of protection rules, file filters, scripts, and reporting tools.
- Perform backup and recovery workflows across supported platforms like File Systems (Windows & Linux), Virtual Machines (VMware) and Databases (Microsoft SQL, Oracle)

- Configure and execute Application Direct and VM Direct workflows for SQL and Oracle.
- Summarize integration steps and features for each supported environment.
- Use monitoring and troubleshooting tools including PPCP.
- Generate and interpret reports using the reporting engine and report browser.
- Describe and perform disaster recovery and quick recovery operations.

COURSE OUTLINE

Module 1: Dell PowerProtect Data Manager Concepts

- PowerProtect Data Manager Introduction
- PowerProtect Data Manager User Interface
- PowerProtect Data Manager Use Cases

Module 2: Dell PowerProtect Data Manager Features

- PowerProtect Data Manager Features Summary and User Interface Banner
- Dashboard and Health
- Infrastructure
- Protection
- Restore
- Alerts, Administration, Reports, and Jobs
- PowerProtect Data Manager Integration Features

Module 3: Dell PowerProtect Data Manager Administration

- Protection Policy
- SLA Compliance
- Search Engine
- Protection Rules
- Scripts
- File Filters
- Reports
- Copy Management
- PowerProtect Data Manager Disaster Recovery and Quick Recovery

Module 4: Dell PowerProtect Data Manager File System Integration

- Dell PowerProtect Data Manager with File System Integration Overview
- Configuring File System Agent for Microsoft Windows
- Back Up Microsoft Windows File System with File System Agent
- Restore Microsoft Windows File System with File System Agent
- Configuring File System Agent for Linux
- Back Up Linux File System with File System Agent
- Restore Linux File System with File System Agent

Module 5: Dell PowerProtect Data Manager VM Integration

- PowerProtect Data Manager Virtual Machine Integration Overview
- Configure Virtual Machine Backups with PowerProtect Data Manager
- Backup Virtual Machine with PowerProtect Data Manager
- Restore Virtual Machine with PowerProtect Data Manager

Module 6: Dell PowerProtect Data Manager Microsoft SQL Integration

- PowerProtect Data Manager with Microsoft SQL Integration Overview
- Configure Microsoft SQL Database Backups with Application Direct Workflows
- Backup Microsoft SQL Database with Application Direct Workflows
- Restore Microsoft SQL Database with Application Direct Workflows
- Configure Microsoft SQL Database Backups with VM Direct Workflows
- Backup Microsoft SQL Database with VM Direct Workflows
- Restore Microsoft SQL Database with VM Direct Workflows

Module 7: Dell PowerProtect Data Manager Oracle Integration

- PowerProtect Data Manager with Oracle Integration Overview
- Configure Oracle Database Backup with PowerProtect Data Manager
- Back Up Oracle Database with PowerProtect Data Manager
- Recover Oracle Database with PowerProtect Data Manager

Module 8: Dell PowerProtect Data Manager Troubleshooting

- PowerProtect Data Manager Troubleshooting Tools
- PowerProtect Data Manager Troubleshooting Tools-PowerProtect Control Panel
- PowerProtect Data Manager Monitoring

DELIVERY NOTE

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