

# Dell PowerProtect Cyber Recovery Design and Administration

## Course Description

### Course Duration

3 Days

### Overview

This course covers the concepts, features, management, design and troubleshooting of PowerProtect Cyber Recovery solutions. The course contains security considerations as well as the steps to manage storage, applications and policies, copies, sandboxes, and the Cyber Recovery operations with Dell PowerProtect Data Manager, Dell NetWorker, and Dell Avamar. This course also contains important considerations and limitations when designing, sizing, and hardening a PowerProtect Cyber Recovery solution. Common troubleshooting techniques and learning experiences covering Cyber Recovery problem identification, collecting log files, alerts, main system components issues, cause identification and possible resolutions are also covered in this course.

### Audience

This course is intended for individuals who require the skills needed to administrate a Cyber Recovery solution.

### Prerequisite Knowledge/Skills

This course requires a basic understanding of Dell PowerProtect DD system, Dell PowerProtect Data Manager, Dell NetWorker, and Dell Avamar.

### Course Objectives

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

- Describe the PowerProtect Cyber Recovery solution, its components, and processes.
- Perform PowerProtect Cyber Recovery administrative tasks.
- Run scheduled and on-demand backups for a variety of systems.
- Restore files using PowerProtect Cyber Recovery.
- Configure PowerProtect Cyber Recovery replication.
- Use PowerProtect Cyber Recovery tools to perform system monitoring, maintenance, capacity management, and troubleshooting.
- Identify software, server, network, storage, and physical environment design limitations and considerations.
- Diagnose and troubleshoot login problems within Cyber Recovery.

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- Locate logs and use monitoring tools that can be used to validate proper process and data flow.
- Identify alerts and alert status.
- Locate CyberSense logs.

### Course Outline

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

- Dell PowerProtect Cyber Recovery Concepts
  - Importance of Cyber Security
  - Cyber Recovery Solution and NIST
  - PowerProtect Cyber Recovery Solution
  - PowerProtect Cyber Recovery Support Documentation
- Dell PowerProtect Cyber Recovery Features
  - Identifying Management Tools and Platforms
  - Identifying Storage and Applications
  - Capabilities of Policies and Copies
  - Identifying Components
- Dell PowerProtect Cyber Recovery Design
  - Design Considerations
  - Designing the Solution
  - Planning and Sizing the Environment
  - Hardening the Solution
- Dell PowerProtect Cyber Recovery Administration
  - PowerProtect Cyber Recovery Overview
  - Configure Storage and Applications
  - Manage Policies and Copies
  - Recover with PPDM in Cyber Recovery
  - Recover with NetWorker in Cyber Recovery
  - Recover with Avamar with Cyber Recovery
  - Perform Administrative Tasks
  - Protect Cyber Recovery with Disaster Recovery
  - Sheltered Harbor Configuration
- Dell PowerProtect Cyber Recovery Troubleshooting
  - Diagram a Cyber Recovery Solution
  - Configure Services, Alerts, and Workflow
  - Troubleshooting Cyber Recovery

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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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