

## Data Protector Essentials (DPE)

ID DPE Price on request Duration 5 days

### Who should attend

Storage and system administrators using Data Protector software, system engineers, consultants, project managers, professional services, and sales.

### Prerequisites

To be successful in this course, you need system and network administration or equivalent experience.

### Course Objectives

On completion of this course, participants should be able to:

- Explain adaptive backup and recovery solutions.
- Explain the architecture and concept of Data Protector.
- Describe the Data Protector product structure.
- Install the Data Protector Cell Manager and Client.
- Explain the configuration for backup devices and media management.
- Configure and run Filesystem backups and restores.
- Monitor the Data Protector environment, run reports, and set up notifications.
- Troubleshoot the Data Protector environment.

### Course Content

#### Module 1: Course Overview

- Explain the daily classroom schedule and structure
- Review the overall course objectives

#### Module 2: What's New in Data Protector 11.03

- Describe new editions, features, and enhancements of Data Protector (DP) from DP 11.01 to DP 11.03

#### Module 3: Data Protector Architecture

- Explain the Data Protector architecture
- Explain the Data Protector cell concept
- Explain the Data Protector client server architecture

- Plan the layout for a Data Protector installation

#### Module 4: Data Protector Installation

- Plan for the installation of DP
- Explain the installation sequence
- Install the DP Cell Manager
- Explain the client installation concept
- Distribute DP agent components to client systems
- Export and import DP clients
- Discuss the DP upgrade process

#### Module 5: Data Protector Upgrade

- Explain the upgrade sequence
- Discuss the DP upgrade process
- Plan for the upgradation of the DP Cell Manager
- Know the DP Upgrades Path
- Know the Upgrade Options
- Upgrade the Windows Cell Manager

#### Module 6: Getting Started

- Explore Data Protector GUI

#### Module 7: Licensing and Product Structure

- Explain the Data Protector licensing models
- Describe the Data Protector product structure
- Configure and use the Data Protector license reporting

#### Module 8: Backup Devices

- Describe the configurable backup devices
- Describe the concepts of logical devices
- Configure and manage disk-based backup devices
- Configure and manage tape-based backup devices
- Use the Data Protector CLI to check the devices

#### Module 9: Media Management

- Describe the concepts of media management in Data Protector
- Configure media pools and assign media
- Exchange media with different Data Protector cells using Media Export/Import
- Implement vaulting using multiple media pools

## Module 10: Backup Specification

- Create and generate backup specifications
- Adjust all the options that control the execution of a backup job
- Explore advanced backup capabilities, such as load balancing or device mirroring
- Schedule backup specifications using the new web-based scheduler
- Explain the backup processing flow

## Module 11: Restoring Capabilities

- Use the restore capabilities in Data Protector
- Perform the session and object restores
- Perform the single or parallel restores
- Use the restore context in the Data Protector GUI

## Module 12: Sessions, Reports, and Notifications

- Monitor running sessions through DP GUI or CLI
- Browse for sessions that have been performed in the past
- Explain the Data Protector Reporting features
- Configure the reports within a report group and execute it
- Configure and modify the Data Protector notifications

## Module 13: Copying and Verifying Media and Objects

- Create copies of the backup media through Media Copy
- Create copies of the selected objects through Object Copy
- Verify your data using the media and object verification sessions

## Module 14: Internal Database

- Explain the concept of an Internal Database (IDB)
- Describe the architecture of an IDB
- Perform maintenance and administration tasks on the IDB
- Back up and restore the IDB
- Configure IDB-related reports and notifications
- Run a disaster recovery (DR) of IDB

## Module 15: Deduplication

- Explain the deduplication technology
- Describe the different Data Protector deduplication configurations
- Configure a B2D device for hardware and software deduplication in Data Protector
- Configure a backup specification with deduplication
- Configure an Object Replication between the deduplication devices

## Module 16: Block-based Backup and Restore

- Describe the Block-based backup
- Describe the change block driver
- Describe the incremental block-based backup
- Describe the block-based restore

## Module 17: Access Control and Security

- Control user access to the cell
- Manage user groups in the cell
- Configure user restrictions
- Manage network access to the cell
- Secure the DP cell

## Module 18: Reporting Server

- Describe the New Data Protector Reporting Server and its different types
- Install Data Protector reporting server
- Configure Data Protector reporting server
- Generate integrated reports

## Module 19: Disaster Recovery

- List the Data Protector methods to perform a disaster recovery
- Explain the four phases to recover a system from a disaster
- Perform a Disaster Recovery using Enhanced Automated Disaster Recovery (EADR)

## Module 20: Auto Replication Sync

- Explain the concept of Auto Replication Sync
- Explain the foreign Cell Manager import method
- Describe the Automated Replication Synchronization (ARS) device and the replication job configuration

## Module 21: Patch Installation

- Explain the Data Protector strategies to address the product issues and limitations
- Download and install the Data Protector General Release (GR) patches
- Query the Data Protector clients to view a list of installed Data Protector fixes

## Module 22: Troubleshooting

- Identify various DP log files
- Enable the debug option
- Explain the process to collect and pack the debug files
- Configure and run the DP health check
- Perform a basic troubleshooting

## Training Centres worldwide



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