

## **NetAPP**

### **DATAPROT9: NetApp ONTAP 9.3 Data Protection Administration (DATAPROT9)**

\$2,022.00

- 2 Days

## **Upcoming Dates**

## **Course Description**

This intermediate-level course introduces key concepts and techniques for protecting data on NetApp® ONTAP® based storage systems. You learn about the data protection solutions that are integrated in ONTAP software. You also learn about tools to manage ONTAP data protection features. In the hands-on exercises, you use ONTAP System Manager and the ONTAP CLI to perform key data protection tasks. This course is updated for ONTAP 9.11.1 software.

## **Course Outline**

### **Module 1: Overview of ONTAP data protection**

- Data protection introduction
- ONTAP data protection solutions
- ONTAP management solutions

### **Module 2: SnapMirror Fundamentals**

- SnapMirror overview
- Configuring SnapMirror relationships
- Guidelines for Intercluster networking
- Cluster and storage VM peering

### **Module 3: SnapMirror for disaster recovery and backup**

- SnapMirror for FlexVol volumes
- SnapMirror configuration considerations
- Using SnapMirror for volumes
- Interaction between SnapMirror and other ONTAP features
- S3 SnapMirror
- FabricPool
- Load-sharing mirrors
- Addendum: SnapMirror and other data protection feature interaction

#### **Module 4: SnapMirror Synchronous for disaster recovery**

- SnapMirror Synchronous
- Configuring SnapMirror Synchronous
- Additional SnapMirror Synchronous configuration

#### **Module 5: Storage VM Disaster Recovery (SVM DR)**

- SVM DR introduction
- SVM DR requirements and configuration
- SVM data mobility

#### **Module 6: ONTAP backup and archive solutions**

- NDMP fundamentals
- NDMP topologies
- NDMP management
- Addendum: NetApp SnapCenter

#### **Module 7: Cloud-based data protection**

- Cloud Volumes ONTAP
- SnapMirror Cloud
- Cloud Backup Service
- ONTAP data protection with cloud volumes

#### **Module 8: ONTAP business continuity solutions**

- MetroCluster fundamentals
- MetroCluster operations
- Consistency group management
- SnapMirror Business Continuity introduction
- SnapMirror Business Continuity configuration
- Failover operations and failure scenarios
- Addendum: SyncMirror feature
- Configuring cluster peering and Storage VM peering
- Using SnapMirror software to mirror FlexVol volumes
- Performing SnapMirror disaster recovery
- Configuring SnapMirror for unified replication
- Restoring data from a Snapshot copy
- Configuring a load-sharing mirror relationship
- Configuring cluster and storage VM peering for a cascade relationship
- Configuring a cascade relationship
- Configuring a SnapMirror synchronous relationship
- Configuring SVM DR

#### **Audience**

Backup administrators and data protection specialists

## Prerequisites

- ONTAP Cluster Administration (3-day instructor-led course)
- ONTAP Data Protection Fundamentals (eLearning)

## What You Will Learn

This course focuses on enabling you to do the following:

- Describe and distinguish the data protection features in ONTAP software
- Administer the appropriate ONTAP data protection feature to address your data protection concern
- Configure NetApp SnapMirror® relationships for disaster recovery and data backup
- Demonstrate SVM DR
- Illustrate NDMP-enabled operations to back up NAS data to tape
- Integrate the cloud-based data protection solutions that complement your ONTAP based storage systems
- Structure NetApp MetroCluster components and functionality
- Illustrate NetApp SnapMirror Business Continuity components and functionality