

## **DATAPROT: ONTAP Data Protection Administration**

Course Code: DATAPROT

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

### **OVERVIEW**

This intermediate-level NetApp training course introduces key concepts and techniques for protecting data on NetApp® ONTAP® based systems. You learn about the data protection solutions that are integrated in ONTAP software. You also learn about tools for managing 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.

### **SKILLS COVERED**

This course focuses on enabling you to do the following:

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

- Describe SnapMirror Business Continuity components and functionality

### **WHO SHOULD ATTEND?**

- Network Engineers
- Channel Partners
- System Engineers
- NetApp Customers

### **PRE-REQUISITES**

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

### **MODULES**

#### **Module 1: ONTAP Integrated Data Protection**

- Data Fabric and ONTAP Software
- ONTAP Data Protection Solutions
- Data Protection Management Solutions

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

- SnapMirror Overview
- Configuring SnapMirror Relationships
- Additional SnapMirror Configuration Considerations
- Guidelines for Intercluster Networking
- Cluster and SVM Peering

#### **Module 3: SnapMirror Operation**

- SnapMirror Asynchronous
- Using SnapMirror for Disaster Recovery
- SnapMirror Synchronous
- SnapMirror and ONTAP Feature Interaction

#### **Module 4: Storage Virtual Machine Disaster Recovery**

- SVM Disaster Recovery (SVM DR) Overview
- Prepare a SVM for Data Protection
- Perform a SVM Initial Data Transfer
- SVM Manual Update

#### **Module 5: MetroCluster**

- MetroCluster Fundamentals
- MetroCluster Operations

#### **Module 6: SnapVault**

- Implementing a SnapVault Relationship
- Using SnapVault Software to Restore Data

#### **Module 7: NDMP and Tape Backup**

- NDMP Fundamentals
- NDMP Management

#### **Module 8: SnapCenter**

- NetApp SnapCenter software
- Integration with third-party management software

#### **Module 9: Cloud Volumes ONTAP**

- Cloud Volumes ONTAP Environment
- Data Protection Capabilities of Cloud Volumes ONTAP

#### **Module 10: Course Review**

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