

# ONTAP Data Protection Administration

Delivery: Instructor-Led Training

Duration: 2 Days

Training units: 24

## Course Description

This intermediate-level 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 9.9.1 software.

## Audience

Systems administrators and data protection specialists

## Prerequisites

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

## Objectives

This course focuses on enabling you to do the following:

- Identify the data protection features in NetApp ONTAP software
- Configure SnapMirror® relationships for disaster recovery and data backup
- Demonstrate SVM DR
- Explain MetroCluster components and functionality
- Describe SnapMirror Business Continuity components and functionality
- Describe NDMP-enabled operations to back up NAS data to tape
- Identify the cloud-based data protection solutions that NetApp offers

## Course Content

This course includes the following modules, lessons, and exercises:

Module	Lessons	Exercises
Module 0: Welcome	<ul style="list-style-type: none"> <li>• Introductions</li> <li>• Course Introduction</li> <li>• Pre-Class Assessment</li> </ul>	Checking the Exercise Equipment
Module 1: ONTAP Integrated Data Protection	<ul style="list-style-type: none"> <li>• Data Protection Introduction</li> <li>• ONTAP Data Protection Solutions</li> <li>• Data Protection Management Solutions</li> </ul>	None
Module 2: SnapMirror Fundamentals	<ul style="list-style-type: none"> <li>• SnapMirror Overview and Topologies</li> <li>• Configuring SnapMirror Relationships</li> <li>• Additional SnapMirror Configuration Considerations</li> <li>• Guidelines for Intercluster Networking</li> <li>• Cluster and SVM Peering</li> </ul>	<ul style="list-style-type: none"> <li>• Configuring a Load-Sharing Mirror Relationship</li> <li>• Configuring Cluster Peering and SVM Peering</li> </ul>
Module 3: SnapMirror Operation	<ul style="list-style-type: none"> <li>• SnapMirror Asynchronous</li> <li>• Using SnapMirror Software for Disaster Recovery</li> <li>• Using SnapMirror Software for Data Restoration</li> <li>• SnapMirror Synchronous</li> <li>• SnapMirror and ONTAP Feature Interaction</li> </ul>	<ul style="list-style-type: none"> <li>• Using SnapMirror Asynchronous to Mirror FlexVol Volumes</li> <li>• Performing SnapMirror Disaster Recovery</li> <li>• Configuring SnapMirror Unified Replication for Vaulting</li> <li>• Restoring Data from a Snapshot Copy</li> <li>• Configuring a SnapMirror Synchronous Relationship</li> <li>• Using FlexClone Technology to Clone a SnapMirror Volume</li> <li>• Configuring a Cascade Relationship</li> </ul>
Module 4: SVM DR	<ul style="list-style-type: none"> <li>• SVM DR Introduction</li> <li>• SVM DR Requirements and Configuration</li> </ul>	Configuring SVM DR

Module	Lessons	Exercises
Module 5: MetroCluster	<ul style="list-style-type: none"> <li>• MetroCluster Fundamentals</li> <li>• MetroCluster Operations</li> </ul>	None
Module 6: SnapMirror Business Continuity	<ul style="list-style-type: none"> <li>• SnapMirror Business Continuity Introduction</li> <li>• SnapMirror Business Continuity Configuration</li> <li>• Failover Operations and Failure Scenarios</li> </ul>	None
Module 7: NDMP and Tape Backup	<ul style="list-style-type: none"> <li>• NDMP Fundamentals</li> <li>• NDMP Topologies</li> <li>• NDMP Management</li> </ul>	None
Module 8: Cloud-Based Data Protection	<ul style="list-style-type: none"> <li>• Cloud Volumes ONTAP</li> <li>• SnapMirror Cloud</li> <li>• Cloud Backup Service</li> </ul>	None

STRSW-ILT-DATAPROT-REV07  
8 November 2021