

ONTAP Data Protection Administration



Delivery: Instructor-led-training (ILT)

Duration: 2 days

Course Description

Explore key concepts and techniques for protecting data on NetApp® ONTAP® based storage systems. Learn about the data protection solutions that are integrated in ONTAP software and examine the tools to manage ONTAP data protection features. In the hands-on exercises, use NetApp ONTAP System Manager and the ONTAP CLI to perform key data protection tasks. This course is updated for ONTAP 9.14.1 software.

Role

Administrator, architect, and operator

Prerequisites

- *ONTAP Cluster Administration*
- *ONTAP NAS Fundamentals*
- *ONTAP SAN Fundamentals*
- *ONTAP Data Protection Fundamentals*

Objectives

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 storage VM disaster recovery (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 SnapMirror active sync components and functionality

Course Content

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

Module	Lessons	Exercises
Module 1: SnapMirror fundamentals	<ul style="list-style-type: none"> • Introduction to SnapMirror • Configuring SnapMirror relationships • Guidelines for intercluster networking • Cluster and storage VM peering 	Configuring cluster peering and storage VM peering
Module 2: SnapMirror for disaster recovery and backup	<ul style="list-style-type: none"> • SnapMirror for FlexVol volumes • SnapMirror configuration considerations • SnapMirror for disaster recovery • SnapMirror for backup • Interaction between SnapMirror and other ONTAP features • S3 SnapMirror • FabricPool 	<ul style="list-style-type: none"> • Using SnapMirror to mirror FlexVol volumes • Performing SnapMirror disaster recovery • Configuring SnapMirror for unified replication • Restoring data from a Snapshot copy • Configuring cluster and storage VM peering for a cascade relationship (optional) • Configuring a cascade relationship (optional)
Module 3: SnapMirror synchronous for disaster recovery	<ul style="list-style-type: none"> • SnapMirror synchronous • Configuring SnapMirror synchronous for disaster recovery • Additional SnapMirror synchronous configuration 	Configuring a SnapMirror synchronous relationship
Module 4: SVM DR	<ul style="list-style-type: none"> • Introduction to SVM DR • SVM DR requirements and configuration • SVM data mobility 	Configuring SVM DR
Module 5: ONTAP backup and archive solutions	<ul style="list-style-type: none"> • NDMP fundamentals • NDMP topologies • NDMP management 	
Module 6: Cloud-based data protection	<ul style="list-style-type: none"> • SnapMirror cloud • Cloud Volumes ONTAP • Data protection with NetApp BlueXP 	

Module	Lessons	Exercises
<p>Module 7: ONTAP business continuity solutions</p>	<ul style="list-style-type: none"> • Consistency group management • Introduction to SnapMirror active sync • SnapMirror active sync configuration • Failover operations and failure scenarios • MetroCluster fundamentals 	

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