ONTAP Data Protection Administration (DATAPROT9)

Modality: Virtual Classroom

Duration: 2 Days

NATU: 24 Units

About the course:

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 9.11.1 software.

A NetApp Software Engineer can earn up to **$99,827/-** on average, per annum.

Course Objective:

Once the course is complete, candidates will be able to;

- 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

Audience:

This course is intended to be undertaken by:

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

Prerequisites:

- ONTAP Cluster Administration (ONTAP 9.11) (ONTAP9ADM)
- ONTAP Data Protection Fundamentals WBT

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