ONTAP 9.3 Data Protection Administration (DATAPROT9)

COURSE OVERVIEW:

This newly updated Data Protection course using ONTAP 9.3 software, will teach you to become proficient with ONTAP SnapMirror, SnapVault, SVM DR, SyncMirror, and NDMP technologies used to replicate, restore, and protect mission-critical data in the enterprise. Backup and restore operations are taught using the NetApp storage system CLI and the OnCommand System Manager.

The course also provides an overview of the ONTAP MetroCluster high-availability and disaster recovery software solution.

WHO WILL BENEFIT FROM THIS COURSE?
- Network Engineers
- Channel Partners
- System Engineers
- NetApp Customers

PREREQUISITES:
- ONTAP 9.3 Cluster Administration (ONTAP9ADM)
- ONTAP Data Protection Fundamentals WBT

COURSE OBJECTIVES:

By the end of this course, you should be able to:
- Describe NetApp protection technology and the NetApp integrated data-protection solutions that are supported in ONTAP
- Design, implement and manage ONTAP SnapMirror replication
- Perform storage virtual machine disaster recovery setup and operation
- Design, implement and manage ONTAP SnapVault replication
- Use the OnCommand System Manager to set up and manage backup and restore operations
- Describe how SyncMirror software can be used to protect data at the aggregate level
- Describe how to implement the NDMP protocol in ONTAP software

COURSE OUTLINE:

Module 1: ONTAP Integrated Data Protection
- Overview
- Data protection solutions
- Integrated data protection features
- Monitor and manage solutions

Module 2: NetApp Mirroring Fundamentals
- Mirror relationship components
- SnapMirror policy configuration
- intercluster network configurations
- SnapMirror and SnapVault cascade deployments
- Cluster and SVM peering

Module 3: Implementation of SanpMirror Relationships
- Creating and initializing the SnapMirror relationship
- Disaster recovery
- SnapMirror and ONTAP feature interaction

Module 4: Disaster Recovery for Storage Virtual Machines
- SVM disaster recovery requirements
- SVM for data protection
- Manual SVM update
- Scheduled SMV updates

Module 5: Disk-To-Disk Backup with SnapVault Software
- SnapVault relationship
- SnapVault and storage compression
- Restoring data using SnapVault

Module 6: SyncMirror and MetroCluster Software
- SyncMirror components
- SyncMirror operation
- MetroCluster overview
- MetroCluster switchover, healing and switchback

Module 7: NDMP and Tape Backup
- NDMP fundamentals
- Terms and concepts
- Backup models
- NDMP management

Labs
- Preparing for mirror relationships
- Using SnapMirror software to mirror FlexVol volumes
- Performing SnapMirror disaster recovery
- Using FlexClone technology to clone a SnapMirror volume
- Configuring storage virtual machine disaster recovery
- Configuring the SnapVault relationship
- Using SnapVault to restore data

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