TechyEdz Solutions

Training | Consulting | Developement | Outsourcing

NetApp ONTAP 9 CLUSTERED
MODE ADMINISTRATION

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NetApp Data ONTAP 9 CLUSTERED MODE ADMINISTRATION

➕ Course Overview:

In this instructor-led course uses lecture and hands-on exercises to teach the basic administration tasks of an ONTAP 9.6 cluster. You use the cluster shell and ONTAP System Manager to manage storage and network resources. ONTAP Cluster Administration is an intermediate course in a comprehensive learning path for NetApp customers, partners, and employees. This course is generally taught with the two-day ONTAP Data Protection course.

➕ Course Outline:

1: NetApp ONTAP 9 Clusters

- ➢ ONTAP deployment options
- ➢ The cluster
- ➢ SVMs
- ➢ ONTAP select learning resources
- ➢ NetApp cloud volumes learning resources

2: Cluster Setup

- ➢ Supported FAS and AFF configurations
- ➢ Cluster setup
- ➢ Administration interfaces
- ➢ OnCommand System Manager: Guided cluster setup

3: Cluster Management

- ➢ Manage access control
- ➢ Cluster node date and time
- ➢ ONTAP software licenses
- ➢ Manage jobs and schedules

4: Network Management

- ➢ NetApp ONTAP Network Review
- ➢ Network ports

- Network traffic segregation
- LIFs
- Nondisruptive LIF configuration
- Routing management
- Failover group commands
- Routing management commands
- BGP and VIP LIFs

5: Physical Storage Management

- Drives, RAID and aggregates
- Advanced drive portioning
- Flash cache and flash pool features
- FabricPool aggregates
- FabricPool in OnCommand System Manager

6: Logical Storage Management

- Flexible volumes
- Provisioning storage resources
- Moving storage resources
- FlexGroup and FlexCache volumes
- Autobalance aggregate

7: Data Access

- Use NAS protocols to access data
- Use SAN protocols to access data
- NVMe and NVMe/FC

8: Data Protection

- Manage Snapshot copies
- Restore data from a Snapshot copy
- Backup and replicate data
- Compliance
- Storage encryption
- Secure purge and secure boot

9: Storage Efficiency

- Thin provisioning
- Deduplication and compression
- Flash efficiency
- Volume and file clones
- Inline deduplication status
- Inline data compaction

10: Cluster Maintenance

- Data collection, monitoring and automation tools
- Backing up and restoring your cluster configuration
- Upgrading your cluster
- Performance recommended practices
- Technical support
- Documentation
- ONTAP software upgrades

11: Course Review

Labs:

- Exploring ONTAP Management UIs
- Managing ONTAP clusters and administrators
- Managing physical and logical network resources
- Managing virtual network resources
- Managing physical storage
- Exploring RAID-TEC and creating a flash pool
- Managing data volumes
- Configuring NAS protocols in an SVM
- Configuring iSCSI in an SVM
- Managing Snapshot copies
- Encrypting a volume
- Managing storage efficiency
- Managing FlexClone volumes
- Bonus Exercise: creating a FlexGroup volume
- Installing and configuring Config Advisor

Prerequisites:

- ONTAP Cluster Fundamentals (WBT])
- ONTAP NAS Fundamentals (WBT)
- ONTAP SAN Fundamentals (WBT)

Who Can attend:

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

Number of Hours: 40hrs

Certification: NetApp Certified Data Administrator, ONTAP (NCDA)

Key Features:

- ➢ One to One Training
- ➢ Online Training
- ➢ Fastrack & Normal Track
- ➢ Resume Modification
- ➢ Mock Interviews
- ➢ Video Tutorials
- ➢ Materials
- ➢ Real Time Projects
- ➢ Virtual Live Experience
- ➢ Preparing for Certification