



Lenovo DM-series & DG-series Storage – Advanced Technical Workshop

Duration: 2 days

Max Capacity: 16 students

PURPOSE

This class is advanced workshop, where students get familiar with ONTAP features included in Lenovo DM & DG Series storage with a focus on advanced features:

- advanced network configuration
- cluster expansion
- data migration
- disaster recovery with snapmirror
- data protection with snap vault
- fabric pools with cloud tiering
- CIFS/NFS multiprotocol
- S3 protocol setup and best practices
- Unified Manager
- Think System Intelligent Monitoring

AUDIENCE

This course is intended for storage and system administrators, who provide setup, installation, advanced configurations for Lenovo DM or DG Storage Systems or plan to implement and manage that Storage.

OBJECTIVES

Students will learn the following topics:

- Lenovo DM & DG Storage Offering
- ONTAP Clustero high availabilitypairs and scale-out
 - ONTAP standard and extended features
- ONTAP Network Configuration
 - IP
 - FC SAN
- ONTAP Management
 - CLI/GUI
 - Ansible automation
 - Unified Manager
- SAN data accesso
 - Fiber Channel SAN
- ONTAP Protocol configurations
 - NFS
 - CIFS
 - S3
- ONTAP advanced
 - Snapshot
 - FlexClone
 - Quality of service
 - Snapmirror with Continuous Availability
 - SnapVault
 - FabricPool



- ONTAP Best Practices for modern SAN
- ONTAP Best Practices with VmWare
- Unified Manager
 - installation
 - best practices
 - backup
- Think System Intelligent Monitoring

Hands-on / Demo:

- Create ONTAP Cluster
 - initial setup of a 4 node cluster
- Managing Physical and Logical Network Resources
 - interface group
 - VLAN
- Storage Virtual Machine
 - configurations
 - protocol configuration FC, NFS, CIFS, S3
- SAN configuration Fiber Channel
 - host access
 - LUN migration (aggregate and HA pair)
- NAS configuration
 - NFS
 - CIFS
 - multiprotocol NFS/CIFS
 - S3
- Data migration
 - Volume migration
 - LUN migration
- Managing Snapshot Copies
 - volume snapshot
 - LUN snapshot
 - snapshot consistency group
- Snapmirror with failover and fall back
- Snapvault with snapstore
- Storage Virtual Machine replication with failover and fallback
- FabricPool with storage tiering
- Unified Manager
 - installation
 - configurations
 - adding storage systems
 - manage storage systems
 - backup