



Lenovo DM & DG-series / ONTAP Implementation Workshop

Duration: 2 days (or 3x 4 hours)

Max Capacity: 16 students

PURPOSE

This course includes information on the latest Lenovo Storage DM & DG Series models based on ONTAP.

This class is a workshop, where students get hands-on experience on real remote HW available during the course. You will do initial setup and deployment of Lenovo DM & DG Series Storage and use hosts connected to storage using iSCSI and FC block protocols as well as use NAS capabilities of the Storage with CIFS and NFS protocols. You will get familiar with most of the ONTAP features included in DM & DG Series storage.

AUDIENCE

This course is intended for technicians, who provide setup, installation, hardware support for Lenovo DM or DG Storage Systems or plan to implement and manage that environment.

OBJECTIVES

Students will learn the following topics:

- Lenovo DM & DG Series Storage positioning and overview,
- ONTAP Cluster
 - Cabling, initial setup
- ONTAP Management
 - CLI, GUI, Admin access
- ONTAP Network configuration
 - Physical and logical interfaces and configurations
- ONTAP Architecture
 - RAID, Aggregates, FlashCache, FlashPool, FabricPool, SVM, flexVol, flexGroupVol,..
- SAN data access
 - iSCSI and FC configuration and host connectivity
- NAS data access
 - NFS, CIFS configuration and host connectivity
- Storage efficiency technologies
 - ThinProvisioning, Deduplication, Compression, Compaction, Snapshots, FlexClone
- Quality of Service
- ONTAP Disaster Recovery and Continuous Availability features
 - SnapMirror, SnapVault, MetroCluster, SnapMirror with Continuous Availability
- Troubleshooting and Diagnostic
 - ThinkSystem Intelligent Monitoring

Hands on:

- Create ONTAP Cluster
- Exploring ONTAP Management interfaces – CLI & GUI
- Managing Physical and Logical Network Resources
- Create Storage Virtual Machine
- SAN configuration - FC



- SAN configuration - iSCSI
- NAS configuration - NFS
- NAS configuration - CIFS
- Managing Snapshot Copies
- Managing Storage Efficiency
- Managing FlexClone Volumes
- SnapMirror