

Netapp Course Content Cluster-Mode Storage Devices:

1. NetApp Storage Operating Systems and Hardware Platforms

- NetApp Storage Operating Systems
- 7-Mode Hardware Architecture
- Cluster Mode Hardware Architecture
- Disk Shelf Hardware
- The FAS Hardware Platform
- Disk Shelf Tour and Cabling
- Cluster, Management and Data Networks Overview
- NetApp Storage Architecture Overview

2. Benefits of Centralized Storage

- NAS Network Attached Storage Overview
- SAN Storage Protocols – Fibre Channel Overview Part
- Fibre Channel Overview
- SAN Storage Protocols – iSCSI Overview
- SAN Storage Protocols – Fibre Channel over Ethernet FCoE
- RAID Types and Explanation

3. Netapp Storage System Setup

- System Setup Software
- The Cluster Setup Wizard
- Admin Components
- Boot Process
- NetApp Storage Management Interfaces
- OnCommand System Manager
- OnCommand Unified Manager and OnCommand Insight
- Command Line Interface Introduction
- Service Processor Overview

4. NetApp Storage Post Installation Tasks

- Adding Licenses

- Network Time Protocol
- AutoSupport Configuration
- Event Management System

5. NetApp Storage Physical Resources and Caching

- Storage Architecture Review
- Disks, Aggregates and RAID Groups
- Advanced Disk Partitioning
- WAFL and the System Memory Cache
- Virtual Storage Tier FlashCache
- Virtual Storage Tier FlashPool
- Storage Pools
- Disk and VST Guidelines

6. NetApp Storage Logical Resources

- Storage Virtual Machines – SVM's
- Role Based Access Control – User management
- Flexible Volumes
- Qtrees and Quotas
- Infinite Volumes

7. NetApp Networking

- Interface Groups
- VLANs
- Logical Interfaces
- IPspaces
- Broadcast Domains and Failover Groups
- Subnets
- Network Load Balancing
- Switch Configuration
- Networking Configuration Review
- Cluster Network Configuration
- Management Network Configuration
- Broadcast Domain Configuration
- Interface Group Configuration
- VLAN Configuration
- Subnets Configuration

- Logical Interface Configuration
- Network Load Balancing Configuration
- IPspace Configuration

8. NetApp Storage NAS Protocols

- NFS the Network File System
- Export Policies
- NFS Configuration
- CIFS / SMB the Common Internet File System
- Multiprotocol
- Windows to UNIX Multiprotocol Configuration

9. NetApp Storage SAN Protocols

- SAN Implementation on NetApp Clustered Data ONTAP Storage
- Multipath Tools – MPIO, DSM, ALUA, SLM and Host Utilities
- ISCSI Configuration for Windows clients
- ISCSI Configuration for Linux clients
- Fibre Channel and FCoE Configuration
- SnapDrive and SnapManager

10. Snapshots

- Schedule Configuration
- Snapshot Configuration, SnapRestore and Windows Clients
- FlexClone

11. Storage Efficiency

- Thin Provisioning
- Deduplication and Compression

12. NetApp Storage Data Protection

- SyncMirror
- High Availability
- SnapMirror Engine
- SnapMirror Cascades
- Load Sharing Mirrors
- Load Sharing Mirrors Configuration
- SnapMirror and SnapVault Initial Setup
- SnapMirror Data Protection Mirrors

TECHNO EXPERT SOLUTIONS



AN INSTITUTE FOR SPECIALIZED STUDIES:

- SnapVault
- Tape Backups
- MetroCluster