Prerequisites

- Basic Knowledge computers and operating system
- Little bit Network level knowledge
- Storage background is added advantage

Course Content

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
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 Storage

3. Netapp Storage System Setup

System Setup Software
The Cluster Setup Wizard
Admin Components

For more Details Contact: aravikumar48@gmail.com or admin@arkit.co.in
The Boot-Up Process

NetApp Storage Management Interfaces
OnCommand System Manager
OnCommand Unified Manager and OnCommand Insight
The Command Line Interface
The Service Processor

4. NetApp Storage Post Installation Tasks

Licensing
Network Time Protocol
AutoSupport
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
Virtual Storage Tier FlashPool Configuration
Storage Pools
Disk and VST Guidelines

6. NetApp Storage Logical Resources

Storage Virtual Machines
Role Based Access Control and Active Directory Integration

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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

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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

The SnapMirror Engine
Netapp Training Online Course Content

SnapMirror Fan In, Fan Out and Cascades

Load Sharing Mirrors
Load Sharing Mirrors Configuration
SnapMirror and SnapVault Initial Setup
SnapMirror Data Protection Mirrors
SnapVault
Tape Backups
MetroCluster

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