ONTAP NFS Administration (NA-NFSAD)

Course Description

Explore and understand the core NFS protocol features and functionality in NetApp® ONTAP ® environments. Learn to use ONTAP management interfaces, configure and set up NFS, and understand NFS access workflows. Perform administration tasks for NFSv3 and NFSv4, enable multiprotocol data access, and use tools to monitor and manage NFS operations. Hands-on exercises are included to reinforce key concepts and practical skills.

Course Duration:

1 day

Prerequisites:

- ONTAP Cluster Fundamentals
- ONTAP Cluster Administration
- ONTAP NAS Fundamentals
- Working knowledge of UNIX and Linux operating systems of NFS

Objectives:

This course focuses on enabling you to do the following:

- Describe the core features and functionality of the NFS protocol
- Identify and use the interfaces for managing ONTAP software
- Set up and configure NFS in the ONTAP environment
- Illustrate the workflow to access NFS files and folders
- Administer and manage both NFSv3 and NFSv4 protocols
- Configure ONTAP software to enable multiprotocol data access
- Monitor and manage NFS operations

Who Should Attend:

Systems Administrator, Storage Administrator, and Enterprise Architect

Course Outline:

Module 1: Getting started
- Introduction to NFS
- NFS access flow
- Authentication and authorization
- Basic storage VM configuration
- Interfaces for managing ONTAP based systems

Module 2: Log in to Linux client
- UNIX user concepts
- User authentication mechanisms

Module 3: Mount NFS volume
- NFS service and networking
- Volumes, qtrees, and namespaces
- Export policies, DNS, and NIS

Module 4: Access files and folders
- UNIX user authorization concepts

Module 5: Advanced NFS configuration
- Managing NFSv4 configuration
- Centralized name services
- File locking
- AUTH_SYS extended groups
- NFSv4 ACLs

Module 6: Multiprotocol configuration
- Multiprotocol configuration
- Name Mapping