

ONTAP SMB Administration (NA-CIFSAD)

Course Description

Configure NetApp® ONTAP® software for file access by using the SMB protocol and configure multiprotocol NAS access to seamlessly manage datasets by using the NFS and SMB protocols. Explore SMB shares and sessions. Create dynamic home directories and implement auditing of SMB file access

Course Duration:

2 days

Prerequisites:

- ONTAP Cluster Administration
- ONTAP NAS Fundamentals
- Familiarity with Microsoft Windows Server
- Familiarity with Microsoft Active Directory

Objectives:

This course focuses on enabling you to do the following:

- Explore the SMB protocol
- List the interfaces that you use to manage ONTAP software
- Configure ONTAP for file access by using the SMB protocol
- Manage data access control through permissions and authorizations
- Configure multiprotocol NAS access
- Configure home directories automatically
- Implement auditing of SMB file access events by using ONTAP functionality

Course Outline

- Module 1: Introduction to SMB
 - SMB basics
 - Interfaces for managing ONTAP based storage systems
- Module 2: SMB setup
 - SMB implementation
- Module 3: SMB shares
 - Share configuration
 - Working with share properties
 - Client share access
- Module 4: Manage SMB sessions
 - Session management and authentication
 - Session signing and encryption

- Module 5: Access Control
 - Authentication
 - Authorization and permissions
 - Addendum: Dynamic access control
 - Addendum: Local users and groups
- Module 6: Multiprotocol NAS in ONTAP software
 - Setting up multiprotocol access
- Advanced topics
 - Home shares
 - Group Policy Objects
 - Symlinks and widelinks
 - FPolicy
 - Vscan for SMB data protection
 - ONTAP SMB auditing

Who Should Attend

Administrator, architect, and operator