

ONTAP SMB Administration (CIFSD)

Course Outline

Module 1: CIFS Overview

- Define the CIFS and SMB protocol
- Discuss NTLM and Kerberos authentication
- Explain Active Directory and Workgroup environments
- Describe PowerShell
- Describe Data ONTAP PowerShell Toolkit

Module 2: SMB Setup

- Set up a storage system with ONTAP 9 for domain authentication

Module 3: Shares and Sessions

- List the default shares
- Display all shares that are available on the storage system
- Configure a client machine to access a share
- Identify the CIFS sessions
- Add, modify, and delete shares

Module 4: Access Control

- Module Objectives
- Configure share permissions
- Describe how to map UNIX users to Windows users
- Configure multiprotocol in ONTAP 9
- Describe authentication and authorization for CIFS
- Describe file blocking policies

Module 5: CIFS Advanced Topics

- Module Objectives
- Describe group policy objects in Data ONTAP 9

- Setup preferred Domain Controllers
- Discuss NetBIOS aliases
- Configure workgroup membership
- Explain CIFS oplocks
- Discuss BranchCache support in Data ONTAP