NetApp

Learning Services Academy

ONTAP SMB Administration

Delivery: Instructor-led-training (ILT) Duration: 2 days

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.

Role

Administrator, engineer, architect, operator

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

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Course Content

This course includes the following modules, lessons, and exercises:

Module	Lessons	Exercises
Module 1: Introduction to SMB	• SMB basics • Interfaces for managing ONTAP based storage systems	Exploring the ONTAP based storage system
Module 2: SMB setup		Setting up and implementing SMB
Module 3: SMB shares	• Share configuration • Working with share properties • Client share access	Configuring SMB share properties
Module 4: Manage SMB sessions	• Session management and authentication • Session signing and encryption	Managing SMB sessions
Module 5: Access control	• Authentication • Authorization and permissions • Addendum: Dynamic access control • Addendum: Local users and groups	Configuring access control
Module 6: Multiprotocol NAS in ONTAP software		Setting up multiprotocol access
Module 7: Advanced topics	• Home shares • Group Policy Objects • Symlinks and widelinks • FPolicy • Vscan for SMB data protection	Configuring home directories, using symbolic links, and implementing FPolicy

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Module	Lessons	Exercises
	• ONTAP SMB auditing	

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