

Course Description: This course teaches Data ONTAP CIFS Administration (CIFS).

Who Should Attend: This course is for network professionals who need to perform in-depth support, administrative functions, and performance management for CIFS protocol on a NetApp storage appliance running the Data ONTAP operating system.

Prerequisites: Students should have taken Data ONTAP Fundamentals.

Benefits of Attendance: Upon completion of this course, students will be able to:

- Explain and identify common components of the Common Internet File System (CIFS)
- Create, configure, and manage CIFS shares, groups, and permissions
- Implement auto home share on the filer/DC
- Describe and implement event and file auditing procedures
- Describe On Access Virus Scanning and configuration for sample implementation
- Appraise an organization's quota requirements and design an appropriate configuration
- Apply basic concepts for moving and restoring ACLs
- Measure and graph CIFS performance using smb_hist and sysstat commands
- Review & identify potential performance issues given Storage Appliance statistics
- Check network-related performance statistics and identify possible courses of action
- Collect data to assist with troubleshooting hardware, operating systems, and applications

Course Outline:

Explain and identify common components of the Common Internet File System (CIFS)

Create, configure, and manage CIFS shares, groups, and permissions

Implement auto home share on the filer/DC

Describe and implement event and file auditing procedures

Describe On Access Virus Scanning and configuration for sample implementation

Appraise an organization's quota requirements and design an appropriate configuration

Apply basic concepts for moving and restoring ACLs

Measure and graph CIFS performance using smb_hist and sysstat commands

Review & identify potential performance issues given Storage Appliance statistics

Check network-related performance statistics and identify possible courses of action

Collect data to assist with troubleshooting hardware, operating systems, and applications

Investigate, identify, troubleshoot, and implement solutions in a CIFS environment