

Course Description: This 10-day intensive, hands-on boot camp will prepare students for the four required NetApp exams to achieve NCDA certification. Students will be provided with all four test vouchers as well as one extra voucher per exam, as needed.

Who Should Attend: Network Professionals seeking NACP or NACE Certification should attend. This course is also valuable for those who need to perform in-depth support, administrative functions, and performance management for CIFS protocol, FCP for SCSI or iSCSI for TCP/IP protocol, NFS, or DPS 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:

- 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:

CIFS shares, groups, and permissions

Auto home share on the filer/DC

Event and file auditing procedures

On Access Virus Scanning and configuration

Quota requirements and design an appropriate configuration

Basic concepts for moving and restoring ACLs

Measuring and graphing CIFS performance using smb_hist and sysstat commands

Potential performance issues given Storage Appliance statistics

Network-related performance statistics and identify possible courses of action

Troubleshooting hardware, operating systems, and applications

Solutions in a CIFS environment

Configuration requirements for NFS

Rules for exporting resources to hosts, subnets, and netgroups

/etc/exports access options and how they relate to mount permissions

NFS performance using sysstat and nfsstat commands

Network-related performance statistics and identify possible courses of action

Problem resolution techniques in a storage appliance environment

Performance characteristics with NetApp data protection solutions

Data protection problems