

Managing NAS and Performance on Clustered Data ONTAP - NA-SPAD

Course Summary

Description

This course is a combination of ONTAP NFS Administration (NFSAD), SMB (CIFS), and performance analysis courses into a single, in-depth one-week course. It provides the knowledge and skills that you need to administer SMB version 1.x to 3.x and NFS versions 3, 4, and 4.1 in a clustered Data ONTAP® operating system. You also learn the knowledge and skills that you need to collect and analyze system performance data from NetApp storage systems that are running ONTAP 9.

Topics

By the end of this course, you will be able to: Define and describe NFS protocol versions
Configure clustered ONTAP 9 for NFSv3, NFSv4, and NFSv4.1 with parallel NFS (pNFS)
Configure Kerberos in a Linux and NetApp ONTAP 9 environment using Windows Active Directory authentication
Discuss performance management and troubleshooting for NetApp storage systems and clients
Explain the CIFS and SMB protocol
Demonstrate the Windows PowerShell CLI
Configure SMB features using ONTAP 9 software
Create and manage SMB shares and sessions
Secure SMB sessions
Configure ONTAP for multiprotocol data access
Discuss SMB advanced topics, such as opportunistic locks (oplocks), BranchCache, auditing, group policy, automatic home shares, symbolic links (symlinks), and widelinks
Understand how a storage system running ONTAP 9 functions
Identify the commands and tools to use to collect and monitor storage system performance
Interpret performance data and identify hindrances to storage system performance
Use system commands and features to enhance storage system performance and efficiency

Audience

Professionals who manage NetApp storage systems and need a deeper understanding of protocols and performance in a clustered Data ONTAP environment.

Prerequisites

ONTAP 9.3 Cluster Administration and Data Protection Bundle (CDOTDP9)
Familiarity with Microsoft Windows Server 2012
Familiarity with Microsoft Active Directory
Familiarity with UNIX and Linux operating systems

Duration

5 Days