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Learning Style: Virtual Classroom

Provider: NetApp

Difficulty: Intermediate

Course Duration: 3 Days

SnapCenter Administration (SCADMIN)



About this course:

This course focuses on the deployment of NetApp® SnapCenter® Server 4.4. You learn how to install, monitor, and manage SnapCenter Server. The course also discusses installation and use of licenses and role-based access control. You learn how to prepare hosts, install SnapCenter Plug-ins, and connect to NetApp ONTAP® AFF and FAS storage systems. You also review backup and restore of Windows file system data and the configuration of SnapMirror® and SnapVault® relationships for use with SnapCenter software. The course materials include an exercise workbook that serves as an on-the-job reference guide.

Course Objectives:

- Explain the benefits and relationships between the various components of the SnapCenter solution
- Describe the methods to install the SnapCenter Server software
- Perform SnapCenter configuration of role-based access control, installation of licenses, and connections to storage VMs (storage virtual machines, also known as SVMs)
- Configure hosts and SnapCenter Server Plug-in packages
- Prepare data protection relationships for SnapCenter software
- Perform backup and restore of Windows data
- Explain monitoring and managing capabilities of SnapCenter Server

Audience:

- NetApp and NetApp Partner Professional Services
- Systems Engineers
- NetApp Customers

Prerequisites:

- ONTAP Cluster Administration
- Data Protection Administration
- SnapCenter Fundamentals

Course Outline:

Module 1: SnapCenter Software Review

- Introduction to the SnapCenter Suite
 - Server architecture
 - Plug-in Packages
 - licensing
 - Management Interfaces
 - Integration with ONTAP features

Module 2: SnapCenter Server Deployment

- Server Installation Workflow
- Server Requirements
- Additional Installation Options

Module 3: SnapCenter Server Configuration

- License Management
- Server Connections to the Storage System
- Server RBAC

Module 4: Preparing Hosts for SnapCenter

- Add Hosts to the SnapCenter Server
- Installing Plug-in Packages

Module 5: Assigning NetApp Storage to Windows Hosts

- Configuring LUN storage on Windows
- Windows Disk Management
- Working with SMB Shares

Module 6: Preparing Data Protection Relationships for SnapCenter

- Data protection relationships with SnapCenter
- Preparing the storage systems for replication

Module 7: Data Backup and Restore

- Backup of Windows file systems
- Restore of Windows file systems
- Cloning Windows file system backups

Module 8: Monitoring and Managing with the SnapCenter server

- Managing the SnapCenter Repository
- Monitoring Activities
- Understanding SnapCenter Reporting Features

Labs:

- Storage configuration
- SnapCenter server configuration
- Plug-in configuration, installation and monitoring
- Storage configuration
- SnapMirror and SnapVault configuration
- SnapCenter backup, restore and clone fundamentals
- Monitoring and managing SnapCenter software

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