NetApp

SnapCenter Administration

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

Course Description

You explore the architecture and key components of NetApp® SnapCenter® software to understand how it delivers application-consistent data protection across enterprise environments. You learn to install, monitor, and manage SnapCenter software, with a focus on configuring data protection relationships that support robust backup, restore, and replication workflows. You gain insight into how SnapCenter software integrates with NetApp ONTAP® software and other applications to provide consistent and reliable data protection. You also learn about foundational management and monitoring capabilities, empowering you to maintain operational efficiency and data integrity.

Role

- Administrator, engineer, architect, operator

Prerequisites

- Basic understanding of enterprise storage, data management, and data protection concepts
- *SnapCenter Fundamentals*

Objectives

This course focuses on enabling you to do the following:

- Deploy and configure NetApp SnapCenter Server
- Install and configure SnapCenter Plug-ins for Linux, Oracle, and Windows environments
- Apply licensing and implement role-based access control (RBAC)
- Prepare hosts and integrate with ONTAP based storage systems
- Configure NetApp SnapMirror® relationships for efficient data replication and recovery
- Perform backup and restore operations for Windows file system data
- Monitor and manage SnapCenter operations
- Troubleshoot basic SnapCenter issues using built-in tools and logs
- Use SnapCenter REST APIs for reporting

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Course Content

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

Module	Lessons	Exercises
Module 0: Introduction	• Course agenda	• Perform a health check
Module 1: SnapCenter overview	• SnapCenter software overview • SnapCenter integration with ONTAP software • SnapCenter deployment overview • SnapCenter use cases	• Verify the requirements for SnapCenter Server installation
Module 2: SnapCenter Server deployment	• SnapCenter Server installation overview • SnapCenter Server requirements • More installation options	• Deploy SnapCenter Server
Module 3: SnapCenter Server configuration	• SnapCenter license management • Storage system connections • SnapCenter Server RBAC	• Configure SnapCenter software
Module 4: Adding hosts to SnapCenter software	• Preparing to add plug-ins to SnapCenter Server • Adding Windows hosts • Monitoring plug-in package installation	• SnapCenter plug-in installation
Module 5: Provisioning storage to Windows hosts	• Configuring LUN storage on Windows • Windows disk management • Working with SMB shares	• Configure LUNs and SMB volumes

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Module	Lessons	Exercises
Module 6: Preparing data protection relationships for SnapCenter software	• Data protection relationships with SnapCenter software • Preparing storage systems for replication • SnapCenter support for SnapMirror features	• Create SnapMirror relationships
Module 7: Protecting Windows and SQL Server databases with SnapCenter	• Backing up Windows file systems • Restoring file systems • Cloning Windows file system backups • SQL backup and restore workflow	• Perform SnapCenter backup, restore, and clone of a Microsoft SQL Server database • Perform SnapCenter backup, restore, and clone of a Windows file system
Module 8: Monitoring and managing with SnapCenter software	• Managing the SnapCenter repository • Monitoring activities • Understanding SnapCenter reporting features	• Monitor and manage SnapCenter software
Appendix: SnapCenter troubleshooting	• Performing SnapCenter basic troubleshooting • Examining SnapCenter REST API	• Explore Swagger UI and REST API

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