

ONTAP Data Management Fundamentals



Delivery: Web-based training (WBT)

Duration: 1 hour, 15 minutes

Course Description

Learn how to manage your storage systems effectively with NetApp® data management products. Equip yourself with the necessary skills to operate and maintain systems that run NetApp ONTAP® 9 data management software. Explore a variety of common tasks associated with different roles in data management—tasks that include provisioning, monitoring, and protecting data on storage systems that run ONTAP software.

Role

Storage administrator, architect, and engineer

Prerequisites

A working knowledge of ONTAP 9 software

Objectives

This course focuses on enabling you to do the following:

- Perform core storage configuration, setup, and monitoring tasks to maintain ONTAP based storage system health
- Identify and implement automation to enhance ONTAP storage management
- Use monitoring tools for proactive ONTAP based system health and performance management
- Recognize the role of storage in cyber resilience within ONTAP environments, emphasizing ransomware protection and backup strategies
- Gain insights into centralized management platforms for effective ONTAP resource management

Course Content

This course includes the following modules and lessons:

Modules	Lessons
Storage infrastructure management	<ul style="list-style-type: none">• ONTAP System Manager<ul style="list-style-type: none">○ Exploring the dashboard○ Key setup and configuration tasks for storage infrastructure○ Monitoring the storage infrastructure○ Measures to protect the storage infrastructure• ONTAP CLI<ul style="list-style-type: none">○ Why is CLI essential?○ Specialized task execution• Active IQ Unified Manager<ul style="list-style-type: none">○ Data center storage summary: Dashboards○ Storage provisioning○ Management action: Fix-it remediations
Storage automation	<ul style="list-style-type: none">• NetApp modules for Ansible<ul style="list-style-type: none">○ What can I automate with Ansible?○ NetApp and Ansible configuration management○ Core components that work together for automation• ONTAP REST API<ul style="list-style-type: none">○ Automate management of ONTAP based storage systems○ Simplified API management under categories• Active IQ Unified Manager REST API<ul style="list-style-type: none">○ API categories○ ServiceNow integration• Other REST APIs<ul style="list-style-type: none">○ SnapCenter REST APIs○ Windows PowerShell cmdlets and Linux commands○ ONTAP tools for VMware vSphere REST APIs
Application integration	<ul style="list-style-type: none">• SnapCenter<ul style="list-style-type: none">○ SnapCenter management interfaces○ SnapCenter dashboard○ SnapCenter: Role-based access control○ Why NetApp SnapCenter for data protection?• ONTAP tools for VMware vSphere<ul style="list-style-type: none">○ Why ONTAP tools for VMware vSphere?○ Dynamic data management for VMs

Modules	Lessons
	<ul style="list-style-type: none"> ○ ONTAP tools for VMware vSphere dashboard ○ Disaster recovery using SRA and VASA Provider
<p>Monitoring and observability</p>	<ul style="list-style-type: none"> • Data Infrastructure Insights (formerly Cloud Insights) • Transform chaos into clarity with NetApp Data Infrastructure Insights <ul style="list-style-type: none"> ○ Why Data Infrastructure Insights? ○ The three Data Infrastructure Insights modules ○ ServiceNow and Data Infrastructure Insights: Uniting for IT excellence • BlueXP digital advisor (powered by Active IQ) • How BlueXP digital advisor uses artificial intelligence (AI) <ul style="list-style-type: none"> ○ BlueXP digital advisor dashboard ○ Actionable intelligence to simplify storage health • Active IQ Unified Manager <ul style="list-style-type: none"> ○ Data center storage monitoring and remediation ○ Active IQ Unified Manager dashboard ○ Monitoring and managing ONTAP based systems • Harvest <ul style="list-style-type: none"> ○ Introduction ○ NetApp Harvest architecture ○ NetApp Harvest features
<p>NetApp cyber-resilience solutions</p>	<ul style="list-style-type: none"> • Cyber resilience <ul style="list-style-type: none"> ○ Cyber-resilience protection ○ Data-centric cyber resilience • Ransomware protection <ul style="list-style-type: none"> ○ Storage is the last line of defense ○ NetApp ransomware protection capabilities ○ Five-step approach to ransomware protection • Backup <ul style="list-style-type: none"> ○ Backup and restore ○ Why use BlueXP backup and recovery? • Disaster recovery <ul style="list-style-type: none"> ○ NetApp disaster recovery solutions • Data governance and compliance <ul style="list-style-type: none"> ○ BlueXP classification: The right tool for four important jobs ○ BlueXP classification: Capabilities ○ How BlueXP classification works

Modules	Lessons
BlueXP	<ul style="list-style-type: none">• Introduction• BlueXP services and integrations• BlueXP: Core services

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