



ONTAP Cluster Foundation

Delivery: Instructor-led-training (ILT)

Duration: 1 day

Course Description

Identify the features and benefits of NetApp® ONTAP® 9 data management software. Understand the architecture and functionality of an ONTAP cluster. Learn the basics of how to configure and manage an ONTAP cluster by using the CLI, NetApp ONTAP System Manager, and NetApp BlueXP™.

Role

Administrator, engineer, architect, and operator

Prerequisites

None

Objectives

This course focuses on enabling you to do the following:

- Outline the components of a cluster and its features
- Articulate how to manage storage provisioning and data protection
- Identify the networks, ports, IPspaces, broadcast domains, and network interfaces that clusters use
- Explain storage VMs (storage virtual machines, also known as SVMs) and how FlexVol® volumes provide flexibility in managing data
- Use tools and features to identify and resolve cluster issues

Course Content

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

Module	Lessons	Exercises
Module 0: Welcome	<ul style="list-style-type: none">• Welcome• Introduction• Course agenda	Checking the exercise equipment
Module 1: Introduction	<ul style="list-style-type: none">• Storage essentials• Storage and data management solutions• BlueXP	
Module 2: NetApp storage system architecture	<ul style="list-style-type: none">• Key ONTAP terms• Cluster configurations• ONTAP software architecture• WAFL• ONTAP in a hybrid cloud	Exploring ONTAP architecture
Module 3: Management	<ul style="list-style-type: none">• Administrative roles• Administrative interfaces• ONTAP System Manager• Active IQ Unified Manager• SnapCenter• ONTAP RESTful APIs and toolkits• BlueXP	<ul style="list-style-type: none">• Exploring ONTAP architecture using the CLI• Exploring NetApp BlueXP
Module 4: ONTAP networks	<ul style="list-style-type: none">• Storage networks• Types of ports• Multitenancy networks• Logical interfaces	Managing network resources
Module 5: Storage VMs	<ul style="list-style-type: none">• Storage VMs• Volumes• Efficiency features• Create and configure• Data protection techniques• NAS client access	Introducing storage VMs

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