



NETAPP LEARNING SERVICES

ONTAP Cluster Foundation

Delivery: Instructor-led training (ILT)

Duration: 1 day

Course Description

In this course, you learn the features and benefits of NetApp® ONTAP® 9 data management software. The course enables you to explain the architecture and functionality of an ONTAP cluster. You also learn the basics of how to administer, configure, and manage an ONTAP cluster by using the CLI, ONTAP System Manager, and NetApp BlueXP.

Job Role

Administrator, architect, operator, or engineer

Prerequisites

None

Objectives

This course focuses on enabling you to do the following:

- Outline the components of a cluster and its features
- Discuss how to manage storage provisioning and data protection
- Identify the networks, ports, IPspaces, broadcast domains, and network interfaces that the 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:

Modules	Lessons	Exercises
Module 1: Introduction	<ul style="list-style-type: none"> Storage essentials Storage and data management solutions BlueXP 	None
Module 2: Architecture	<ul style="list-style-type: none"> Key ONTAP terms Cluster configuration ONTAP software architecture WAFL ONTAP in a hybrid cloud 	Exploring ONTAP architecture using the CLI
Module 3: Management	<ul style="list-style-type: none"> Administrative roles Administrative interfaces 	Exploring ONTAP UIs
Module 4: Networks	<ul style="list-style-type: none"> Storage networks Types of ports Multitenancy networks Logical interfaces 	Managing network resources
Module 5: Storage virtual machines	<ul style="list-style-type: none"> Storage VMs Volumes Storage efficiencies Create and configure Data protection techniques 	Introducing storage virtual machines
Appendix 1: Setup	<ul style="list-style-type: none"> Setup an ONTAP cluster 	None
Appendix 2: Upgrades	<ul style="list-style-type: none"> Nondisruptive upgrades 	None
Appendix 3: Performance concepts	<ul style="list-style-type: none"> Cluster performance concepts 	None
Appendix 4: Monitoring tools	<ul style="list-style-type: none"> Proactive monitoring and management 	None

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