

HCI Administration for VMware Administrators

Modality: Virtual Classroom

Duration: 2 Days

NATU: 24 Units

About this Course:

This course prepares you to use the VMware vSphere Web Client and NetApp® Element® Plug-in for VMware vCenter Server to manage a NetApp HCI system. The course assumes a working knowledge of VMware vSphere and Element software. Learning is reinforced through simulations and guided exercises. The course materials include a lab workbook that can serve as an on-the-job reference guide.

*This class uses pre-recorded demos for the labs**

Course Objectives:

- This course focuses on enabling you to do the following:
- Describe the features and architecture of a NetApp HCI system
- List the steps to deploy and scale a NetApp HCI system
- Configure and manage a NetApp HCI system by using the VMware vSphere Web Client and NetApp Element Plug-in for VMware vCenter Server
- Manage resources and deploy a workload
- Monitor and maintain a NetApp HCI system by using the VMware vSphere Web Client, NetApp Element Plug-in for VMware vCenter Server, and NetApp Active IQ
- Configure and create data-protection relationships
- Describe data fabric integrations and NetApp HCI solutions
- *This class uses pre-recorded demos for the labs**

Audience:

- NetApp customers, partners, and employees

Prerequisites:

- A working knowledge of Ethernet networking
- Completion of the Element Software Fundamentals and NetApp HCI Fundamentals courses or equivalent
- A working knowledge of VMware vSphere and VMware vCenter Server (available through VMware Education)

Course Outline:

Module 1 - NetApp HCI Overview

- Describe the features and architecture of a NetApp HCI system
- List the steps to deploy and scale a NetApp HCI system
- List the NetApp HCI management interfaces

Module 2 - Configure the NetApp HCI System and Deploy Workloads

- Configure a NetApp HCI system
- Create resources for workloads
- Deploy a workload

Module 3 - Monitor and Maintain the NetApp HCI System

- Monitor a NetApp HCI system by using the NetApp Element Plug-in for VMware vCenter Server (VCP), VMware vSphere Web Client, and NetApp Active IQ
- Manage a management node
- Perform basic maintenance on a NetApp HCI system

Module 4 - Protect Workloads

- Create datastore clones, volume snapshots, volume clones, and volume backups
- Configure NetApp Element real-time replication to create remote copies of volume data
- Configure SnapMirror replication between Element clusters and ONTAP clusters
- Configure Federal Information Processing Standards (FIPS) 140-2 drive encryption

Module 5 - Data Fabric Integrations and NetApp HCI Solutions

- Describe how data fabric integrations provide file and object services
- Describe how NetApp Verified Architecture expands the NetApp HCI solution offerings