

# Implementing VMware vSphere on ONTAP Training

## Course Contents

### **Module 1: Overview of ONTAP for vSphere**

- NetApp storage in a virtualized environment
- NetApp Unified virtual appliance
- Datastore types that VSC creates

### **Module 2: Introduction to Virtual Storage Console (VSC)**

- Unified virtual appliance (UVA) installation
- UVA key features
- NetApp VSC integration with vCenter
- ONTAP configuration for VSC operation

### **Module 3: Provisioning Traditional Datastores by Using VSC**

- Basic IP networking and datastore considerations
- Creating NFS datastores by using VSC and System Manager
- Using the NFS datastore wizard
- VMFS datastores
- iSCSI VMFS datastores
- FC VMFS datastores

### **Module 4: Provisioning VVols Datastores by Using VSC**

- VVols concepts
- NetApp VASA provider
- Storage policies and profiles
- Managing VVols
- On-Demand moving, copying and restoring of virtual disks

### **Module 5: Monitoring Performance and Quality of Service (QoS)**

- VSC performance dashboards
- NetApp QoS features

- NetApp and VMware QoS use cases

#### **Module 6: Data Protection**

- SnapCenter plug-in for VMware vSphere
- Veeam and Commvault backup solutions

#### **Labs:**

- Configuring clusters, vCenter and the VSC management interface
- Configuring virtual storage console
- Using VSC to Provision traditional SAN and NAS datastores
- Creating and managing VVols
- Monitoring the performance of datastores and VMs
- Implementing configuration scenarios