VMware Quad

Length: 7 Days

Who Should Attend: Experienced system administrators, experienced system integrators and/or Operators responsible for ESXi and vCenter Serve

Prerequisites: Prior to attending our VMware Quad class, students should be comfortable with system administration using command line interfaces and well versed in basic virtualization concepts

COURSE CONTENT

- Describe the software-defined data center

- Deploy an ESXi host and create virtual machines

- Describe vCenter Server architecture

- Deploy a vCenter Server instance or VMware vCenter Server Appliance

- Use vCenter Server to manage an ESXi host

- Configure and manage vSphere infrastructure with VMware vSphere Client and VMware vSphere Web Client

- Configure virtual networks with vSphere standard switches

- Use vCenter Server to manage various types of host storage: VMware vSphere VMFS, NFS, virtual SAN, and Virtual Volumes

- Manage virtual machines, templates, clones, and snapshots

- Create a vApp

- Describe and use the content library

- Migrate virtual machines with VMware vSphere vMotion

- Use VMware vSphere Storage vMotion to migrate virtual machine storage

- Monitor resource usage and manage resource pools

- Use VMware vRealize Operations

- Manager to identify and solve issues through analytics and alerts

- Manage VMware vSphere High Availability and VMware vSphere Fault Tolerance

- Use VMware vSphere Replication and VMware vSphere Data Protection to replicate virtual machines and perform data recovery

- Use VMware vSphere Distributed Resource Scheduler clusters to improve host scalability

- Use vSphere distributed switches to improve network scalability

- Use VMware vSphere Update Manager to apply patches and perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server operations

- Explain the VMware Cross-Cloud Architecture vision

- Identify and describe the Cross-Cloud Architecture components

- Explain the Software Defined Data Center (SDDC) initiative and how vSphere fits within it

- Identify and describe vSphere components

- Describe opportunities where vSphere could be a solution

- Explain vSAN and Software Defined Storage (SDS)

- Identify and describe vSAN components

- Describe opportunities where vSAN could be a solution

- Explain NSX and Software Defined Networking (SDN)

- Identify and describe NSX components

- Describe opportunities where NSX could be a solution

- Explain vRealize Suite Cloud Management Platform

- Identify and describe the vRealize Suite product components

- Discuss opportunities where vRealize Suite could be a solution

- Explain Horizon 7

- Identify and describe the Horizon Suite product components

- Discuss opportunities where Horizon Suite could be a solution

- Gather and analyze customer requirements

- Recommend products that meet customer requirements

- Propose high-level solution