

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
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