

VMware DATA CENTER VIRTUALIZATION:VCP 6.0

vmware
CERTIFIED

PROFESSIONAL
DATA CENTER
VIRTUALIZATION



VMware Certified Professional [V6] – Data Center Virtualization (VCP6-DCV)

1. Course Introduction
 - Introductions and course logistics
 - Course objectives
 - References and resources
2. Software-Defined Data Center
 - Introduce components of the software-defined data center
 - Describe where vSphere fits into the cloud architecture
 - Install and use vSphere Client
 - Overview of ESXi
3. Creating Virtual Machines
 - Introduce virtual machines, virtual machine hardware, and virtual machine files
 - Create and work with virtual machines and templates
4. vCenter Server
 - Introduce the vCenter Server architecture
 - Deploy and configure vCenter Server Appliance
 - Use vSphere Web Client
 - Manage vCenter Server inventory objects and licenses
5. Configuring and Managing Virtual Networks
 - Describe, create, and manage standard switches

- Configure virtual switch security and load-balancing policies
 - Create, configure, and manage vSphere distributed switches, network connections, and port groups
6. Configuring and Managing Virtual Storage
- Introduce storage protocols and storage device types
 - Discuss ESXi hosts using iSCSI and NFS storage
 - Create and manage VMFS and NFS datastores
 - Introduce VMware Virtual SAN™
 - Introduce Virtual Volumes
7. Virtual Machine Management
- Use templates and cloning to deploy new virtual machines
 - Modify and manage virtual machines
 - Perform vSphere vMotion and vSphere Storage vMotion migrations
 - Create and manage virtual machine snapshots
 - Create vApps
 - Introduce the types of content libraries and how to deploy and use them
8. Resource Management and Monitoring
- Introduce virtual CPU and memory concepts
 - Configure and manage resource pools
 - Describe methods for optimizing CPU and memory usage
 - Use various tools to monitor resource usage
 - Create and use alarms to report certain conditions or events
 - Identify and troubleshoot virtual machine resource issues
 - Introduce vRealize Operations Manager for data center monitoring and management
9. vSphere HA and vSphere Fault Tolerance
- Explain the vSphere HA architecture
 - Configure and manage a vSphere HA cluster
 - Use vSphere HA advanced parameters
 - Introduce vSphere Fault Tolerance
 - Enable vSphere Fault Tolerance on virtual machines
 - Introduce vSphere Replication
 - Use vSphere Data Protection to back up and restore data
10. Host Scalability
- Describe the functions and benefits of a vSphere DRS cluster
 - Configure and manage a vSphere DRS cluster
 - Work with affinity and anti-affinity rules
 - Use vSphere HA and vSphere DRS together for business continuity

11. vSphere Update Manager and Host Maintenance

- Use vSphere Update Manager to manage ESXi patching
- Install vSphere Update Manager and the vSphere Update Manager plug-in
- Create patch baselines
- Use host profiles to manage host configuration compliance
- Scan and remediate hosts

12. Installing vSphere Components

- Install ESXi
- Introduce vCenter Server deployment options
- Describe vCenter Server hardware, software, and database requirements
- Discuss installation of vCenter Server Appliance and a vCenter Server instance
- Demonstrate vCenter Server installation

Contact Us



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