Vmware 6.0

Vmware 6.0(2V0-621D)

Install, Configure, manage is one of the best course for virtualization. It features intensive hands-on training that focuses on installing, configuring, and managing VMware vSphere® 6, which includes VMware ESXi 6 and VMware vCenter Server 6. This course prepares you to administer a vSphere infrastructure for an organization of any size and forms the foundation for most other VMware technologies in the software-defined data center.

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1. Introduction

1.1. Introduction to VMware
1.2. Introduction to Virtualization
1.3. Role of virtualization in Cloud
1.4. Introduction to different types of Hypervisors

2. Software Define Data Center

2.1. What is ESX and ESXi
2.2. Installing, Configuring & Managing ESXi
2.3. Installing vSphere

3. Introduction to Virtual Machines

3.1. Introduce virtual machines, virtual machine hardware and virtual machine files.
3.2. Create and work with virtual machines and templates

4. vCenter Server

4.1. Introduce the vCenter Server architecture
4.2. Deploy and configure vCenter Server
4.3. Use vSphere Web Client
4.4. Manage vCenter Server inventory objects and licenses

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5. Configuring and Managing Virtual Networks

5.1. Describe, create, and manage standard switches
5.2. Configure virtual switch security and load-balancing policies
5.3. Create, configure, and manage vSphere distributed
5.4. switches, network connections and port groups

6. Configuring and Managing Virtual Storage

6.1. Introduce storage protocols and storage device types
6.2. Discuss ESXi hosts using iSCSI and NFS storage
6.3. Create and manage VMFS and NFS datastores
6.4. Introduce VMware Virtual SAN™
6.5. Introduce Virtual Volumes

7. Virtual Machine Management

7.1. Use templates and cloning to deploy new virtual machines
7.2. Modify and manage virtual machines
7.3. Perform vSphere vMotion and vSphere Storage
7.4. vMotion migrations
7.5. Create and manage virtual machine snapshots
7.6. Create vApps
7.7. Introduce the types of content libraries and how to
7.8. deploy and use them

8. Resource Management and Monitoring

8.1. Introduce virtual CPU and memory concepts
8.2. Configure and manage resource pools
8.3. Describe methods for optimizing CPU and memory usage
8.4. Use various tools to monitor resource usage
8.5. Create and use alarms to report certain conditions or events
8.6. Identify and troubleshoot virtual machine resource issues
8.7. Introduce vRealize Operations Manager for data center
8.8. monitoring and management

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9. vSphere HA and vSphere Fault Tolerance

9.1. Explain the vSphere HA architecture
9.2. Configure and manage a vSphere HA cluster
9.3. Use vSphere HA advanced parameters
9.4. Introduce vSphere Fault Tolerance
9.5. Enable vSphere Fault Tolerance on virtual machines
9.6. Introduce vSphere Replication
9.7. Use vSphere Data Protection to back up and restore
9.8. data

10. Host Scalability

10.1. Describe the functions and benefits of a vSphere DRS
10.2. cluster
10.3. Configure and manage a vSphere DRS cluster
10.4. Work with affinity and anti-affinity rules
10.5. Use vSphere HA and vSphere DRS together for business
10.6. continuity

11. vSphere Update Manager and Host Maintenance

11.1. Use vSphere Update Manager to manage ESXi patching
11.2. Install vSphere Update Manager and the vSphere
11.3. Update Manager plug-in
11.4. Create patch baselines
11.5. Use host profiles to manage host configuration compliance
11.6. Scan and remediate hosts

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