

Network Virtualization I Datacenter Virtualization I CloudComputing-IAAS

VMware Certified Professional: VCPDCV6 Details

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Course Name: VMware vSphere 6: Install, Config& Manage

Training Duration: 40 Hours

Batch Schedule: Monday – Friday or Sunday (5 days)

Exam Details: To get VCP6 Certification passing of 2 exams is mandatory

1. VCA6 DCV: 125USD
2. VCP6 DCV: 225USD
- 3.

Lab Infrastructure:

Practice on Real Time Datacenter Equipments:

HP DL386 G Servers, SSD Storage, iSCSI & NFS Storage.

Course Objectives:

By the end of the course, you should be able to meet the following objectives:

- 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
- 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
- Perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server operations

Practicals Covered:

- Lab 1: Configuring VMware vCenter Server Appliance.
- Lab 2: Using vSphere Web Client
- Lab 3: Configuring VMware ESXi
- Lab 4: Working with Virtual Machines
- Lab 5: Configuring VMware vCenter Single Sign-On
- Lab 6: Creating Folders in VMware vCenter Server
- Lab 7: Standard Virtual Switches & Distributed Switches
- Lab 8: Accessing iSCSI Storage
- Lab 9: Accessing NFS Storage
- Lab 10: Managing VMware vSphere VMFS & Volumes
- Lab 11: Using Templates and Clones
- Lab 12: Modifying a Virtual Machine
- Lab 13: Migrating Virtual Machines (vMotion, svMotion, CrossHostvMotion)
- Lab 14: Managing Virtual Machines
- Lab 15: Managing VMware vSphere vApps
- Lab 16: Managing User Permissions
- Lab 17: Resource Pools
- Lab 18: Monitoring Virtual Machine Performance
- Lab 19: Using Alarms
- Lab 20: Using vSphere High Availability
- Lab 21: Configuring VMware vSphere Fault Tolerance
- Lab 22: VMware vSphere Distributed Resource Scheduler
- Lab 23: VMware vSphere Update Manager
- Lab 24: Installing VMware vCenter Server Components

Note from Instructors:

1. Please expect very intensive training sessions which definitely will require you to put more efforts and time. Make the best of the opportunity while being at training.