

Network Virtualization | Datacenter Virtualization | CloudComputing-IAAS

VMware Certified Professional: VCPDCV6.5 Details

Course Name: *VMware vSphere 6.5: Install, Config & Manage*

Training Duration: 40 Hours

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

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 & VVolumes
Lab 11: Using Templates and Clones
Lab 12: Modifying a Virtual Machine
Lab 13: Migrating Virtual Machines (vMotion, svMotion, CrossHost vMotion)
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
Lab 25: Configuring iSCSI and NFS Storage (Installation, Implementing Raid 5, Creating Luns)
Lab 26: Linux Network Configuration (DNS, DHCP, Network Settings)

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.