

VMware Professional



The Course

VMware is a cloud computing and virtualization software provider for X86 or IBM compatible computers and servers. The word VMware is utilized for complete VMware inc. products. It hosts other operating systems in such a way that each OS acts as if it were installed on as an own contained system with its self hardware resources and set of programs.

VMware virtualization is based on supporting virtual machines and ESX/ESXi bare metal hypervisor. Virtualization is at the heart of VMware's one cloud, any device, any application architecture. It's the most used efficient and agile solution for reducing IT expenses.

The Eligibility

Passionate Technology Enthusiasts with a minimal knowledge on IT and Operating Systems.

Good to have basic knowledge on Windows, OS & IT Infrastructure.

The Rulepaper Promise

Our training methodologies promises to give the students hands on art enterprise skills to delve deeper into the technologies from a practical and enterprise point of view. Extreme Hands-on-Lab with a self doable on the fly practical based training approaches makes transformation of the student from a no vice to a capable experienced cloud computing engineer.



The Instructor

Enterprise Architect with huge experience on Private and Public Cloud Technologies. The trainers are advisors and members of larger Cloud Computing Forums and seasoned integrators of IT Cloud Computing technologies with more than 12+ years in global large enterprise giants.

Course Contents

Module 1

Course Introduction

- Introductions and course logistics
- Course objectives
- References and resources

Module 2

Software-Defined Data Center

- Introduce components of the software-defined datacenter
- Describe where vSphere fits into the cloud architecture
- Install and use vSphere Client
- Overview of ESXi

Module 3

Creating Virtual Machines

- Introduce virtual machines, virtual machine hardware, and virtual machine files
- Create and work with virtual machines and templates

Module 4

vCenter Server

- Deploy and configure vCenter Server Appliance.
- Use vSphere WebClient
- Introduce the vCenter Server architecture.
- Manage vCenter Server inventory objects and licenses

Module 5

Configuring and Managing Virtual Networks

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

Course Contents

Module 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 data stores
- Introduce VMware Virtual SAN
- Introduce Virtual Volumes

Module 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

Module 8

vSphere HA and vSphere Fault Tolerance

- Explain the vSphere HA architecture
- Configure and manage 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 backup and restore data

Module 09

Host Scalability

- Describe the functions and benefit for 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

Course Contents

Module 10

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 base lines
- Use host profiles to manage host configuration compliance
- Scan and remediate hosts

Module 11

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

Module 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 vCenterServer instance
- Demonstrate vCenterServer installation

The Duration

Duration of the Course is 40 hours.

The Lab Requirements

Students must bring their own laptops with basic configuration

The cost of the Training

Please send an email or contact us at enquiry@rulepaper.com to know more about the cost and next batch schedules.

The certifications

Once the training is completed the student have to enroll with vmware for getting certification and the cost is exclusive of this training . Certification is an optional or good to have feature.