

VMware, Inc. is an American company that provides cloud and virtualization software and services, and claims to be the first to successfully virtualize the x86 architecture commercially. The company trades under the symbol VMW.

VMware's desktop software runs on Microsoft Windows, Linux, and Mac OS X, while its enterprise software hypervisors for servers, VMware ESX and VMware ESXi, are bare-metal hypervisors that run directly on server hardware without requiring an additional underlying operating system.

What is virtualization?

Virtualization is a proven software technology that makes it possible to run multiple operating systems and applications on the same server at the same time. It's transforming the IT landscape and fundamentally changing the way that people utilize technology.

Why should I do the training in IndiaOptions?

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India Options – at a glance

Founded in 2000 and headquartered in Cochin, IndiaOptionsSoftwaresPvt Ltd became established as the best destination for IT Training and Development in India. In the span of 15 years when we look back our success lies in the fact that all our students are well employed and they refer others to undergo IT training here. Through our extensive industry experience IndiaOptions brings together a wealth of knowledge, in a wide range of IT sectors. Our aim is to deliver quality training solutions focused on the professional development of individuals in order to meet the needs of industry and the future workforce

It is with great privilege and support received from our esteemed clients, we are entering into our 15th successful year of IT Training with 3 centers in Kerala with the state of art lab facilities and senior staff to teach latest technology. Our students are employed in all major IT companies in India and Abroad. We have increased flexibility around the provision of training so that skill gaps can be addressed through a set of competencies with a focus on the individual needs of clients and the industry as a whole.

VMware Course Outline

1 Introduction to Virtualization Technologies

VMware workstation

2. Introduction to VMware Virtualization

Introduce Virtualization

Introduce Virtual machines

Introduce vSphere components

3. VMware ESX and ESXi (ESX/ESXi 5.5)

Introduce the architecture of ESX and ESXi

Manually configure ESX/ESXi

4. VMware vCenter Server

Install and configure vCenter Server components

Manage vCenter Server inventory objects

5. Networking

Create, configure, and manage vNetwork standard switches

Create, configure, and manage network connections

Create, configure, and manage port groups

6. Storage

Configure ESX/ESXi with iSCSI, NFS,

Create and manage vSphere datastores

7. Virtual Machines

Deploy virtual machines using the Create New Virtual Machine wizard, templates, cloning, and VMware vCenter Converter

Modify and manage virtual machines

Perform Storage vMotion migrations

8. Access Control

Control user access through roles and permissions

9. Resource Monitoring

Control virtual machine access to CPU, memory, and I/O resources

Introduce VMkernel methods for optimizing CPU and memory usage

Monitor resource usage using vCenter Server performance graphs and alarms

10. Data Protection

Back up and recover virtual machines.

11. Scalability

Manage multiple vCenter Server inventories using VMware vCenter Linked Mode

Manage ESX/ESXi configuration compliance using Host Profiles

Create, configure, and manage vNetwork distributed switches, network connections, and port groups

Perform VMware vMotion migrations

Configure and manage a VMware Distributed Resource Scheduler cluster

12. High Availability

Configure and manage a VMware High Availability cluster

Configure fault-tolerant virtual machines using VMware Fault Tolerance

13. Patch Management

Manage patching and patch compliance using vCenter Update Manager

IndiaOptionsSoftwares Private Limited.

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