



VMware Infrastructure 3: Install and Configure

Overview

This hands-on training course explores VMware Infrastructure 3, which consists of VMware ESX Server and VMware VirtualCenter. Upon completion of this course, you can take the examination to become a VMware Certified Professional. This course is a prerequisite for a course entitled **VMware Infrastructure 3: Deploy, Secure, and Analyze**.

Course Objectives

At the end of the course, you should understand the functionality in VMware Infrastructure 3 and be able to:

- Install ESX Server
- Configure ESX Server networking and storage
- Install and configure VirtualCenter
- Control user access to the VMware infrastructure
- Deploy and manage virtual machines using VirtualCenter
- Allocate and monitor virtual machines' resources
- Ensure high availability of applications
- Troubleshoot typical ESX Server issues

Target Audience

System administrators, systems engineers, and operators responsible for ESX Server and/or VirtualCenter

Prerequisites

System administration experience on Microsoft Windows or Linux operating systems

Pricing and Scope

- 4 days of instructor-led, classroom training
- 50% lecture and 50% hands-on lab
- Individual enrollment available at convenient locations worldwide www.vmware.com/education
 - Contact your VMware representative for pricing information
- Onsite training available for companies that want the benefits of instructor-led classes without travel
 - Contact VMware Education to discuss facility requirements for onsite training

Course Outline

Module 1: Virtual Infrastructure Overview

- VMware products: functions and applications

Module 2: ESX Server Installation

- Set-up of ESX Server

Module 3: Networking

- Configuration of virtual switches, network connections and port groups

Module 4: Storage

- Storage management technologies

Module 5: VirtualCenter Installation

- Set-up of VirtualCenter

Module 6: Creation and Management of VMs

- Use of templates
- Manage using VMware VirtualCenter and Web Access

Module 7: Resource Management

- VMotion migrations
- Setting VM priorities on CPU, memory, and other resources

Module 8: Virtual Machine Access Control

- Controlling administrator rights

Module 9: Monitoring Your Environment

- Workload assessment
- Service Console monitoring

Module 10: Data and Availability Protection

- Clustering, backups, failover

Module 11: Troubleshooting

- Systematic isolation of problems
- Common symptoms, faults, fixes

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