



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. Completion of this course entitles the participant to attempt the examination for VMware Certified Professional status. This course is continued in a follow-on course entitled **VMware Infrastructure 3: Deploy, Secure, and Analyze**.

Course Objectives

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

- Install and configure virtual machines
- Deploy virtual machines from templates and allocate resources
- Migrate and manage virtual machines
- 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, 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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