

VMware Infrastructure 3: Install and Configure

Overview

This deep hands-on training course explores VMware Infrastructure 3, which consists of VMware ESX Server and VMware VirtualCenter.

“VMware Infrastructure 3: Install and Configure” is a prerequisite to taking the certification exam and becoming a VMware Certified Professional.

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

- Standard price £2,145 + VAT per delegate
- 4 days of instructor-led, classroom training
- 50% lecture, 50% hands-on lab

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
- Cold and VMotion migrations
- Manage using VMware VirtualCenter and Web Access

Module 7: Resource Management

- 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

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