

VMware Infrastructure 3: Fast Track Program

Overview

This *intensive, extended-hours* training course covers the installation, management, and use of VMware ESX Server, VMware VirtualCenter, VMware DRS, VMware HA, VMware Consolidated Backup (VCB), VMware Converter, Storage VMotion, and VMware Update Manager. It combines the content from the 3.5 versions of the **VMware Infrastructure 3: Install & Configure** and **Deploy, Secure, and Analyze** training courses. Upon completion of this course, you can take the examination to qualify as a VMware Certified Professional.

Course Objectives

At the end of the course, you should be able to:

- Perform manual and scripted ESX Server installations
- Understand and configure security on the Service Console
- Install, configure, migrate, manage, and monitor virtual machines using ESX Server and VirtualCenter
- Utilize VMware Converter and VMware Update Manager
- Learn specific commands used to administer an ESX Server
- Configure and implement VMware HA, DRS and VCB
- Perform fault analysis in Virtual Infrastructure

Target Audience

This class is designed for experienced system administrators and system integrators who are responsible for scaling their organization's deployment of VMware technology. This fast-track program is most suited for those willing to work hard to achieve superior VI skills with minimal time away from the office.

Prerequisites

- Willingness to participate in a demanding, high-intensity training experience
- Comfort with system administration using command-line interfaces

Pricing and Scope

- Five (5) extended days of instructor-led classroom training
- 50% lecture and 50% hands-on lab
- Onsite training available
- Contact VMware Education to discuss facility requirements and pricing information

Course Outline

Module 1: VMware Overview

- Learn VMware products' functions and applications

Module 2: ESX Server Installation

- Perform an interactive installation of ESX Server

Module 3: Networking

- Configure virtual switches, network connections and port groups through the GUI interfaces and CLI
- Identify how virtual infrastructure mitigates common security vulnerabilities
- Manage the service console firewall

Module 4: Storage

- Survey storage management technologies
- Configure iSCSI storage access
- Secure access to storage and networks
- Analyze and troubleshoot a storage-related issue

Module 5: VirtualCenter Installation

- Configure VirtualCenter

Module 6: VM Creation and Management

- Use virtual-machine templates
- Manage virtual machines using VMware VirtualCenter

Module 7: VM Access Control

- Control administrator rights

Module 8: VM Resource Management

- Migrate VMs using VMotion
- Set VM priorities for core resources
- Create DRS enabled clusters
- Manage resource pools

Module 9: VM Resource Monitoring

- Interpret performance graphs

Module 10: High Availability

- Enable a VMware HA cluster

Module 11: Data Protection

- Perform backups using VMware Consolidated Backup

Module 12: VMware Update Manager

- Patch VMs and templates

Module 13: Service Console Security

- Configure ESX Server logging behaviour
- Identify ESX Server and VC Server log files

Module 14: Service Console Security

- Manage user and host access and privileges

Module 15: Scripted Install

- Perform a scripted installation of ESX Server

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