

VMware Infrastructure 3: Fast Track Program

Overview

This *intensive, extended-hours* training course covers the installation, management, and use of ESX Server, VirtualCenter, VMware DRS, VMware HA, and VMware Consolidated Backup. It subsumes the content from the **VMware Infrastructure 3: Install & Configure** and **VMware Infrastructure 3: Deploy, Secure, and Analyze** training courses. Upon completion of this course, you can take the examination to become a VMware Certified Professional.

Course Objectives

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

- Perform manual and scripted ESX Server installations
- Install, configure, migrate, manage, and monitor virtual machines using ESX Server and VirtualCenter
- Learn specific commands used to administer an ESX Server
- Understand and configure security on the Service Console
- 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 out of the office.

Prerequisites

- Willingness to participate in a demanding, high-intensity training experience
- Comfort with fundamental Linux commands (such as `ls` and `cp`) and a Linux text editor

Pricing and Scope

- 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

- VMware products: functions and applications

Module 2: ESX Server Installation

- Set-up of ESX Server
- Perform a scripted installation of ESX Server

Module 3: Networking

- Configure of virtual switches, network connections and port groups through the GUI interfaces and CLI

Module 4: Storage

- Storage management technologies
- iSCSI storage access

Module 5: VirtualCenter Installation

- Configure VirtualCenter

Module 6: VM Creation and Management

- Use of templates
- Manage using VMware VirtualCenter

Module 7: VM Access Control

- Controlling administrator rights

Module 8: VM Resource Management

- VMotion migrations
- Set VM priorities for core resources
- Create DRS enabled clusters
- Manage resource pools

Module 9: VM Resource Monitoring

- Interpret performance graphs

Module 10: Data Protection

- Secure physical infrastructure
- Secure access to storage and networks

Module 11: High Availability

- Perform backups using VMware Consolidated Backup
- Enable a VMware HA cluster

Module 12: Service Console Security

- Identify how virtual infrastructure mitigates common security vulnerabilities
- Manage user and host access and privileges
- Manage Service Console firewall

Module 13: Troubleshooting and Fault Analysis

- Systematic isolation of problems
- Common symptoms, faults, fixes
- Resolve problems VMware Virtual Infrastructure 3

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