

VMware Infrastructure 3: Deploy, Secure and Analyze

Overview

This hands-on training course, targeted at experienced VMware Infrastructure administrators, covers mass deployment of ESX Server hosts using scripted installation, configuration and use of VMware Consolidated Backup (VCB), VMware Update Manager, and security features. The course conveys skills for management of ESX Server hosts using local CLI utilities. Troubleshooting tips are presented throughout.

The course has been updated to reflect ESX Server 3.5 and VirtualCenter 2.5, and focuses on ESX Server 3.5 rather than ESX Server 3i.

Upon completion of this course, you can take the examination to become a VMware Certified Professional. This course is a continuation of the **VMware Infrastructure 3: Install and Configure** course.

Course Objectives

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

- Perform scripted installations
- Learn specific commands used to administer an ESX server
- Understand and configure Virtual Infrastructure security
- Monitor Virtual Infrastructure
- Configure and implement VMware High Availability (HA), Distributed Resource Scheduler (DRS), Consolidated Backup, and Update Manager
- Perform fault analysis on Virtual Infrastructure components

Target Audience

Systems administrators and systems integrators experienced with Virtual Infrastructure 3 who are responsible for scaling their organization's deployment of VMware technology.

Prerequisites

Required:

- Achievement of a passing score on a short on-line pre-test
- Comfort with fundamental Linux commands (such as ls and cp) and a Linux text editor

Recommended:

- Completion of **VMware Infrastructure 3: Install and Configure** or equivalent experience with VMware Infrastructure 3

Course Outline

Storage Administration

- **Manage Virtual Machine File Systems (VMFS) datastores**
- **Introducing Storage VMotion**

Network Administration

- **Configure and secure virtual networking**
- **Configure software iSCSI adapter**
- **Manage service console firewall**

DRS Configuration & Performance Monitoring

- **Analyze and interpret performance using esxtop and graphical tools**
- **Create and manage DRS enabled clusters**

Business Continuity & Data Protection

- **Configure advanced features of VMware HA cluster**
- **Perform backups and restoration of virtual machines using VMware Consolidated Backup**

Operational Maintenance

- **Configure and apply updates using VMware Update Manager**

Modify Logging Behavior

- **Configure VirtualCenter and ESX Server logging**
- **Consolidate and rotate log files**

Service Console Security

- **Configure SSH, sudo, TCP Wrappers**

Rapid Deployment of ESX Servers

- **Perform automated installation of ESX Servers for mass deployments**

Pricing and Scope

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