



VMware Infrastructure 3: Deploy, Secure, and Analyze

Overview

This hands-on training course, aimed at experienced VMware Infrastructure administrators, has been updated to reflect ESX Server 3.5 and VirtualCenter 2.5. It focuses on ESX Server 3.5 rather than ESX Server 3i. On 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 do the following:

- Perform scripted installations
- Administer an ESX server using commands
- 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, online pretest
- 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 and Performance Monitoring

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

Business Continuity and 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 and TCP wrappers**

Rapid Deployment of ESX Servers

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

Pricing and Scope

- 4 days of instructor-led, classroom training
- 50% lecture and 50% hands-on lab
- Individual enrollment is available at convenient locations worldwide at www.vmware.com/education.
- Contact your VMware representative for pricing information.
- Onsite training is available for companies that want the benefits of instructor-led classes without travel. Contact VMware Education to discuss facility requirements for onsite training.

VMware warrants that it will perform these workshop services in a reasonable manner using generally accepted industry standards and practices. THE EXPRESS WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE WITH RESPECT TO THE SERVICES AND DELIVERABLES PROVIDED BY VMWARE, OR AS TO THE RESULTS WHICH MAY BE OBTAINED THEREFROM, AND VMWARE DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. VMWARE WILL NOT BE LIABLE FOR ANY THIRD-PARTY SERVICES OR PRODUCTS IDENTIFIED OR REFERRED TO BY CUSTOMER BY VMWARE. VMWARE WILL NOT BE LIABLE FOR ANY LOST PROFITS OR BUSINESS OPPORTUNITIES, LOSS OF USE, BUSINESS INTERRUPTION, LOSS OF DATA, OR ANY OTHER INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING UNDER THIS AGREEMENT UNDER ANY THEORY OF LIABILITY, WHETHER BASED IN CONTRACT, TORT, NEGLIGENCE, PRODUCT LIABILITY OR OTHERWISE, REGARDLESS OF WHETHER VMWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. VMWARE'S AGGREGATE LIABILITY UNDER THIS AGREEMENT WILL NOT, IN ANY EVENT, EXCEED THE FEES PAID BY CUSTOMER TO VMWARE UNDER THIS AGREEMENT. All materials provided under this workshop are copyrighted by VMware ("Workshop Materials"). VMware grants the customer of this workshop a license to use and make reasonable internal company copies of any Workshop Materials strictly for the purpose of facilitating such company's understanding, utilization and operation of its licensed VMware product(s). Except as set forth expressly in the sentence above, there is no transfer of any intellectual property rights or any other license granted under the terms of this workshop. If Customer issues a purchase order or other ordering document, the terms and conditions of which are in addition to or inconsistent with the terms and conditions of this Agreement, the terms and conditions of such purchase order or other ordering document will not be binding and will not modify this Agreement.