

# VMware vSphere: Fast Track

## Overview

This *intensive, extended-hours* training course focuses on installing, configuring, managing, and troubleshooting VMware® vSphere™. It combines the content of the **VMware vSphere 4: Install, Configure, Manage** course with advanced tasks and skills for configuring a highly available and scalable virtual infrastructure. Upon completing 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:

- Install and configure VMware ESX™/ESXi, vCenter™ Server, and the vSphere Management Assistant
- Configure, manage, and troubleshoot ESX/ESXi networking and storage
- Create, configure, migrate, manage, convert, and monitor virtual machines and virtual appliances
- Scale the vSphere virtual infrastructure
- Implement business continuity solutions
- Manage changes to the vSphere environment

## Target Audience

Experienced system administrators and system integrators willing to work hard to achieve superior vSphere 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 extended days of instructor-led classroom training
- Individual enrollment available at convenient locations worldwide at <http://www.vmware.com/education>
- Contact your VMware representative for pricing information.
- Onsite training available for companies that want the benefits of instructor-led classes without travel
- Contact VMware Education to discuss facility requirements for onsite training at [education@vmware.com](mailto:education@vmware.com).

## Module 1: Course Introduction

### Module 2: Introduction to VMware Virtualization

- **Discuss virtualization and vSphere components**

### Module 3: Configuring VMware ESX/ESXi

- **Configure ESX/ESXi settings and view system logs**

### Module 4: Installing and Using VMware vCenter Server

- **Install and configure vCenter Server and vSphere Management Assistant**
- **Manage vCenter Server inventory hierarchies**

### Module 5: Networking

- **Configure and troubleshoot vNetwork components**

### Module 6: Storage

- **Review storage management technologies**
- **Analyze and troubleshoot storage-related issues**

### Module 7: Virtual Machines

- **Deploy virtual machines using templates, VMware vCenter Converter, and Guided Consolidation**
- **Modify and manage virtual machines**

### Module 8: Access Control

- **Control user access through roles and permissions**

### Module 9: Resource Monitoring

- **Assess workloads and monitor resources through the GUI interfaces and CLI**

### Module 10: Scalability

- **Scale resource management**
- **Manage multiple vCenter Server inventories**
- **Perform VMware VMotion™ migrations**
- **Configure clusters for VMware Distributed Resource Scheduler and VMware Distributed Power Management**

### Module 11: High Availability and Data Protection

- **Review business continuity products and features**
- **Follow best practices to configure VMware High Availability clusters and VMware Fault Tolerance**
- **Install and configure VMware vCenter Server Heartbeat**
- **Deploy VMware Data Recovery to back up virtual machines**

### Module 12: Configuration Management

- **Manage change in the vSphere environment with Host Profiles and VMware vCenter Update Manager**

### Module 13: Installing ESX

- **Perform manual (ESX/ESXi) and scripted (ESX) installations**

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