

VMware vSphere: Fast Track

Overview

Fast Track provides the quickest way to help you gain a superior set of skills, abilities, and knowledge to build and run a VMware vSphere™ environment. The *intensive, extended-hours* class 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. Fast Track also includes over 7 hours of self-paced training to jump-start your learning and review after class. Upon completing Fast Track, 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, vCenter Converter, vCenter Server Heartbeat, Data Recovery, and vCenter Update Manager
- Configure and manage vSphere networking and storage from both graphical and command-line interfaces
- Create, configure, migrate, convert, monitor, patch, and back up virtual machines and virtual appliances
- Set up clusters enabled for VMware Distributed Resource Scheduler (DRS) to automate resource management
- Implement high availability and fault tolerance solutions for business-critical applications

Target Audience

Experienced system administrators and system integrators who want to achieve superior vSphere skills with minimal time away from the office

Prerequisites

- Comfort with system administration using command-line interfaces

Pricing and Scope

- Five extended days of instructor-led classroom training, plus six self-paced eLearning courses
- 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.

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
- Create and manage inventory objects
- Install VMware vSphere Management Assistant for command-line administration

Module 5: Networking

- Configure vNetwork components, including security, traffic-shaping, and load-balancing policies

Module 6: Storage

- Survey storage technologies and set up storage based on cost, performance, and manageability requirements

Module 7: Virtual Machines

- Deploy virtual machines using templates and vCenter Converter
- Modify and manage virtual machines

Module 8: Access Control

- Control user access through roles and permissions

Module 9: Resource Monitoring

- Assess workloads, monitor resources, and configure alarms

Module 10: Scalability

- Create thin-provisioned virtual machines
- Manage multiple vCenter Server inventories
- Automate CPU, memory, and power management by configuring clusters with DRS and VMware Distributed Power Management

Module 11: High Availability and Data Protection

- Set up and troubleshoot VMware High Availability clusters
- Configure and monitor fault-tolerant virtual machines
- Install and configure vCenter Server Heartbeat
- Use Data Recovery to back up virtual machines

Module 12: Configuration Management

- Use Host Profiles to manage ESX/ESXi configuration compliance
- Install and configure Update Manager to patch and upgrade ESX/ESXi hosts and virtual machines

Module 13: Installing ESX

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

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