

# 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 (5) extended days of instructor-led classroom training
- Individual enrollment available at <http://www.seupec.com/vmware>
- Contact us for pricing information.
- Onsite training available for companies that want the benefits of instructor-led classes without travel
- Contact us to discuss facility requirements for onsite training at [info@seupec.com](mailto:info@seupec.com).

## Course Outline

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



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 [www.vmware.com](http://www.vmware.com)  
© 2009 VMware, Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. This product is covered by one or more patents listed at <http://www.vmware.com/download/patents.html>. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

If you are located in the United States, the VMware contracting entity for the service will be VMware, Inc., and if outside of the United States, the VMware contracting entity will be VMware International Limited.

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.