

# VMware vSphere: Transition to ESXi

## Overview

This hands-on training course covers the requirements and effects of transitioning your VMware vSphere™ environment to VMware® ESXi. It provides the knowledge and skills necessary to make fundamental design decisions and successfully add ESXi to a deployed vSphere environment. This course is based on ESXi 4.0.

## Course Objectives

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

- Analyze ESXi and its benefits for your environment
- Identify ESXi installation and configuration procedures
- Use scripted installations for large-scale ESXi deployments
- Employ scripting interfaces to manage ESXi
- Identify risks when migrating to ESXi

## Target Audience

System administrators, systems engineers, technical support engineers, and consultants responsible for managing and supporting a vSphere installation

## Prerequisites

Completion of the VMware vSphere 4: Install, Configure, Manage course or the VMware vSphere 4: What's New course or have experience using VMware ESX™/ESXi and VMware vCenter™ products

## Pricing and Scope

- Two (2) days of instructor-led, classroom training
- 60% lecture, 40% hands-on lab
- Individual enrollment available at convenient locations worldwide  
<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).

## Course Outline

### Module 1: Course Introduction

### Module 2: Working with VMware ESXi

- Identify differences between ESX and ESXi
- Recognize tasks and procedures when moving to ESXi

### Module 3: Installing and Configuring VMware ESXi

- Analyze ESXi Installable and ESXi Embedded
- Install and configure ESXi Installable and ESXi Embedded
- Recognize the steps for upgrading to ESXi

### Module 4: Performing Management Tasks

- Identify hardware monitoring techniques
- Discuss system management and backup methodology
- Distinguish the log files
- Recognize security methodologies
- Employ file management practices
- Perform basic troubleshooting with the direct console user interface

### Module 5: Using Scripting Interfaces

- Identify the scripting interfaces for ESXi
- Discuss primary scripting interfaces
- Install VMware vSphere Management Assistant
- Identify differences between commands used with ESX and those used with ESXi
- Recognize custom commands and how to substitute VMware vSphere Command-Line Interface commands or vSphere PowerCLI cmdlets for them

### Module 6: Large-Scale Deployment of VMware ESXi

- Identify scripted installation programs for ESXi
- Analyze the commands to perform scripted installation
- Discuss best practices for large-scale deployment



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)  
 © 2010 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.