vmware EDUCATION SERVICES

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 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.

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



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VMware SKU: EDU-VS4FT-OE Rev. 6/2009