



VMware vSphere What's New

Length
2 days

Format
Lecture/lab

Track
Support

Version
4

Course Description

This hands-on training course explores new features in VMware vCenter Server 4 and ESX™/ESXi 4. You will explore the new features of vSphere and learn how to upgrade from VMware Virtual Infrastructure 3 to vSphere 4.

Who Should Attend

Systems administrators and systems integrators who are responsible for deploying and supporting VMware, and who are already VCP-certified (or have equivalent expertise) on VMware Infrastructure 3.

Required Prerequisites

- VMware Infrastructure 3: Install and Configure (VM3IC)
- VMware Infrastructure 3: Fast Track (VM3FT)

Related Training

- VMware vSphere: Install, Configure, and Manage

vSphere

Learning Objectives

After you complete this course, you will be able to:

- Upgrade VMware deployments from VMware Infrastructure 3 to vSphere 4
- Deploy distributed virtual switches to simplify data center-wide network management
- Use VMDirectPath to assign a PCI adapter directly to a virtual machine
- Migrate virtual machines' storage while they are live with Storage vMotion
- Grow virtual disks and VMFS volumes while they are live
- Employ VMware's new Pluggable Storage Architecture
- Ensure application availability with VMware Fault Tolerance
- Manage more than one vCenter Server from the same client
- Use the new host profiles feature to keep hosts uniformly configured
- Save energy with VMware Distributed Power Management
- Save disk space with thin provisioning
- Administer virtual appliances consisting of more than one virtual machine



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Course Outline

Module 1: Introducing vSphere 4

- vSphere 4 enhancements by component
- Upgrade tools and strategies

Module 2: Infrastructure Administration

- New features that support better infrastructure monitoring and reduce the time it takes to provision ESX/ESXi hosts and virtual machines

Module 3: Networking

- Networking enhancements that simplify configuration, extend support, and improve performance

Module 4: Storage

- New storage features that reduce storage costs, streamline management, and optimize performance

Module 5: Resource Management

- vMotion compatibility enhancements
- New VMware Distributed Resource Scheduler monitoring and management tools
- Extended VMware DPM support

Module 6: Business Continuity

- VMware High Availability enhancements
- VMware Fault Tolerance and vStorage APIs for data recovery



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