

**Duration:** 2 days

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## Existing VCP?

If you are an existing VCP all you need to do is attend this 2-day What's New? course in order to upgrade your certification to VCP on vSphere4 – this shortcut to certification is only available until the end of December 2009. Thereafter you would need to attend the 4 day vSphere 4 ICM course in order to be eligible to sit your examination.

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## Overview

This hands-on training course explores new features in future versions of VMware® vCenter Server and ESX™/ESXi, as well as how to upgrade to vSphere 4.

This course is designed for System architects, system administrators, IT managers, and individuals responsible for implementing and managing VMware Infrastructure architectures.

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## Prerequisites

(Recommended)

Completion of VMware Infrastructure 3: Install and Configure, or equivalent experience with VMware ESX and vCenter Server.

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## Delegates will learn how to

At the end of the course, you should possess knowledge and skills for the following:

- Upgrading VMware deployments
- Deploying distributed virtual switches to simplify datacenter-wide network management
- Using VMDirectPath to assign a PCI adapter directly to a virtual machine
- Migrating virtual machines' storage while they are live with Storage vMotion
- Growing virtual disks and VMFS volumes while they are live
- Employing VMware's new Pluggable Storage Architecture
- Ensuring 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

- Highlights vSphere 4 enhancements by component and reviews upgrade tools and strategies.

### Module 2: Infrastructure Administration

- Presents vSphere 4 new features that support better infrastructure monitoring and reduce the time it takes to provision ESX/ESXi hosts and virtual machines.

### Module 3: Networking

- Discusses networking enhancements that simplify configuration, extend support, and improve performance.

#### **Module 4: Storage**

- Introduces vSphere 4 new storage features that reduce storage costs, streamline management, and optimize performance.

#### **Module 5: Resource Management**

- Reviews vMotion™ compatibility enhancements, new VMware Distributed Resource Scheduler monitoring and management tools, and extended VMware DPM support.

#### **Module 6: Business Continuity**

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

#### **Related Certifications**

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This course forms part of the following certification track(s):

- VMware vSphere Certified Professional for Candidates with VCP 2.x
- VMware vSphere Certified Professional for Candidates with VCP 3