

VMware vSphere: What's New

Course Code: VMVS4WN Two days; Instructor-Led

Overview

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

Prerequisites Recommended

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

Target Audience

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

Course Objectives

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

- Upgrading VMware deployments from VMware Infrastructure 3 to vSphere 4
- 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 VMware Storage VMotion
- Growing virtual disks and VMware vStorage 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 instance 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 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 new storage features that reduce storage costs, streamline management, and optimize performance.

Module 5: Resource Management

Reviews VMware 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.