

VMware vSphere – What's New

Course Part Number:

VMware SKU: EDU-VS4WN-OE

Overview:

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

Course Format & Duration:

2 days of instructor-led classroom training

50% lecture and 50% hands-on lab and simulations

Things you will learn:

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 feature
- ▽ Save disk space with thin provisioning
- ▽ Administer virtual appliances consisting of more than one virtual machine

Target Audience:

System administrators, systems engineers, IT Managers, and individuals responsible for implementing and managing VMware Infrastructure architectures.

Students Prerequisites:

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

What's New Course Outline (vSphere)

<p>Module 1: Introducing vSphere 4</p> <ul style="list-style-type: none"> ★ Highlights vSphere 4 enhancements by component and reviews upgrade tools and strategies 	<p>Module 2: Infrastructure Administration</p> <ul style="list-style-type: none"> ★ Presents new features that support better infrastructure monitoring and reduce the time it takes to provision ESX/ESXi hosts and virtual machines.
<p>Module 3: Networking</p> <ul style="list-style-type: none"> ★ Discusses networking enhancements that simplify configuration, extend support, and improve performance. 	<p>Module 4: Storage</p> <ul style="list-style-type: none"> ★ Introduces new storage features that reduce storage costs, streamline management and optimize performance.
<p>Module 5: Resource Management</p> <ul style="list-style-type: none"> ★ Reviews VMware VMotion compatibility enhancements, new VMware Distributed Resource Scheduler monitoring and management tools, and extended VMware DPM support. 	<p>Module 6: Business Continuity</p> <ul style="list-style-type: none"> ★ Presents VMware High Availability enhancements and introduces VMware Fault Tolerance and vStorage APIs for data recovery.
<p>Labs</p> <ul style="list-style-type: none"> ★ Lab exercises are interspersed throughout the course. 	