



Next Generation VMware Infrastructure: What's New

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.

Course Objectives

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

Target Audience

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

Course Outline

Module 1: Introducing the Next Generation of VI

- Highlights Next Generation 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 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.

Prerequisites

Recommended

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

Pricing and Scope

- Two (2) days of instructor-led classroom training
- 50% lecture and 50% hands-on labs and simulations
- Individual enrollment available at convenient locations worldwide at <http://www.vmware.com/education>
- Contact your VMware representative for pricing information.
- Onsite training is available for companies that prefer the benefits of instructor-led classes without travel.
- Contact VMware Education to discuss facility requirements for onsite training at education@vmware.com.

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