



VMware Training Schedule

This hands-on training course explores installation, configuration, and management of VMware® vSphere™, which consists of VMware ESXi/ESX™ and VMware vCenter™ Server. Upon completion of this course, you can take the examination to become a VMware Certified Professional. The course is based on ESXi 4.0, ESX 4.0, and vCenter Server 4.0.

VMS-ICM: VMware vSphere: Install, Configure and Manage

Key Skills

At the end of the course, you should be able to:

- » Install and configure ESX
- » Install and configure vCenter Server
- » Configure and manage ESX networking and storage using vCenter Server
- » Deploy and manage virtual machines
- » Manage user access to the VMware infrastructure
- » Increase scalability using vCenter Server
- » Monitor resource usage using vCenter Server
- » Apply patches using VMware vCenter Update Manager
- » Manage higher availability and data protection using vCenter Server

Audience

System administrators, system engineers, and operators responsible for ESXi, ESX, and/or vCenter Server.

Prerequisites

System administration experience on Microsoft Windows or Linux operating systems.

Scope

4-days of instructor-led, classroom training. 50% lecture, 50% hands-on lab.

- » **Module 1: Course Introduction**
- » **Module 2: Introduction to VMware Virtualization** - Discussion of virtualization and vSphere components
- » **Module 3: Configuring ESXi/ESX**
- » **Module 4: Installing and Using VMware vCenter Server** - Install and configure vCenter Server, and use the VMware vSphere Client to manage vCenter Server inventory hierarchies
- » **Module 5: Networking** - Configuration of vNetwork standard and distributed switches, network connections, and port groups
- » **Module 6: Storage** - Storage management technologies
- » **Module 7: Virtual Machines** - Deploy virtual machines using templates, VMware vCenter Converter, Guided Consolidation. Modifying, managing, and migrating virtual machines
- » **Module 8: Access Control** - Controlling user access through roles and permissions
- » **Module 9: Resource Monitoring** - Workload assessment, monitoring using vCenter Server
- » **Module 10: Scalability** - VMware VMotion™ migrations. Setup of resource pools and VMware Distributed Resource Scheduler cluster
- » **Module 11: High Availability and Data Protection** - Setup of a VMware High Availability cluster. Backup and recovery of virtual machines using VMware Data Recovery
- » **Module 12: Configuration Management** - Patching using vCenter Update Manager
- » **Module 13: Installing ESX** - Installation of ESX



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