



VMware vSphere: Install, Configure, Manage (V4)

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

You Will Learn

At the end of this four day course, you should gain an understanding of the functionality in VMware vSphere Install, Configure, Manage (V4) and be able to:

- Install and configure ESX Server
- Install and configure vCenter Server
- Configure and manage ESX server 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

Who Should Attend

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

Prerequisites

System administration experience on Microsoft Windows® or Linux® operating systems

Outline

Module 1: Course Introduction

Module 2: Introduction to VMware Virtualization

- Discussion of virtualization and vSphere components

Module 3: Configuring ESXi/ESX

- Configuration of 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



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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

Life Cycle Institute and VMWare vSphere

Be prepared to be an active learner. When you invest in training with the Life Cycle Institute, you will gain knowledge and learn skills that you will be able to apply immediately. Our courses are designed to teach by doing. Your training with the Life Cycle Institute is different because we offer:

- Facilitators who practice what they teach and teach what they practice
- Course content that is constantly updated with the latest proven tools and methods
- Adult learning methods that minimize lecture and emphasize learning by doing
- Classrooms that are specifically designed to facilitate learning

Scheduling & Pricing

Date: September 29 – October 2, 2009

Cost: \$3,500

Location: Life Cycle Institute, 4360 Corporate Road, Charleston, SC 29405

Registration: 800-556-9589 • education@LCE.com • www.LCE.com

Each course includes morning and afternoon refreshments, lunch, and the use of a fully equipped e-business center. Class hours are 8:00am to 5:00pm.