

VMware vSphere 4: Install, Configure, Manage

Days of Training: 4

Overview

This hands-on training course explores installation, configuration, and management of VMware vSphere, which consists of VMware ESXi/ESX and VMware vCenter Server. The course is based on ESXi 4.0, ESX 4.0, and vCenter Server 4.0.

Prerequisites

- System administration experience on Microsoft Windows or Linux operating systems

Who should attend?

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

At Course Completion

Upon successful completion of this course, students will 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.

Lesson 1: Course Introduction

Lesson 2: Introduction to VMware Virtualization

Discussion of virtualization and vSphere components

Lesson 3: Configuring ESXi/ESX

Configuration of ESXi and ESX

Lesson 4: Installing and Using VMware vCenter Server

Install and configure vCenter Server, and use the VMware vSphere Client to manage vCenter Server inventory hierarchies

Lesson 5: Networking

Configuration of vNetwork standard and distributed switches, network connections, and port groups

Lesson 6: Storage

Storage management technologies

Lesson 7: Virtual Machines

Deploy virtual machines using templates, VMware vCenter Converter, Guided Consolidation. Modifying, managing, and migrating virtual machines

Lesson 8: Access Control

Controlling user access through roles and permissions

Lesson 9: Resource Monitoring

Workload assessment, monitoring using vCenter Server

Lesson 10: Scalability

VMware VMotion™ migrations
Setup of resource pools and VMware Distributed Resource Scheduler cluster

Lesson 11: High Availability and Data Protection

Setup of a VMware High Availability cluster
Backup and recovery of virtual machines using VMware Data Recovery

Lesson 12: Configuration Management

Patching using vCenter Update Manager

Lesson 13: Installing ESX

Installation of ESX

VMWARE_VSPHERE4_ICM

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