



VMware vSphere Install, Configure, and Manage

Length
4 days

Format
Lecture/lab

Track
Support

Version
4

Course Description

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.

This course is based on ESXi 4.0, ESX 4.0, and vCenter Server 4.0.

Who Should Attend

Systems administrators and systems integrators who are responsible for deploying and supporting VMware.

Required Prerequisites

- Basic knowledge of operating system administration (Windows, Unix, Linux, or others) is strongly recommended

Related Training

- VMware vSphere: What's New

vSphere

Learning Objectives

After you complete this course, you 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 vCenter Update Manager
- Manage higher availability and data protection using vCenter Server



Learning
Solutions



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Course Outline

Module 1: Introduction to VMware Virtualization

- Virtualization and vSphere components

Module 2: Configuring ESXi/ESX

- Configure ESXi
- Configure ESX

Module 3: Installing and Using VMware vCenter Server

- Install and configure vCenter Server
- Use the vSphere Client to manage vCenter inventory hierarchies

Module 4: Networking

- Configure vNetwork standard and distributed switches, network connections, and port groups

Module 5: Storage

- Storage management technologies

Module 6: Virtual Machines

- Deploy virtual machines using templates, VMware vCenter Converter, Guided Consolidation
- Modify, manage, and migrate virtual machines

Module 7: Access Control

- Control user access through roles and permissions

Module 8: Resource Monitoring

- Workload assessment,
- Monitoring using vCenter Server

Module 9: Scalability

- VMware vMotion migrations
- Setup of resource pools and VMware Distributed Resource Scheduler (DRS) cluster

Module 10: High Availability and Data Protection

- Setup of a VMware High Availability (HA) cluster
- Backup and recovery of virtual machines using vCenter Data Recovery

Module 11: Configuration Management

- Patching using vCenter Update Manager

Module 12: Installing ESX



Learning
Solutions