

VMware vSphere: Overview [V4]

Duration: 1 Day

Course Description

This hands-on training course introduces the most compelling features of VMware® vSphere™ 4. This course demonstrates vSphere features that help to reduce your IT costs while improving efficiency, availability, flexibility, and manageability.

Audience

This course is designed for technical persons responsible for evaluating ESX, ESXi, and vCenter Server, including IT managers, system architects, and system administrators

Prerequisites

System administration experience on Microsoft Windows or Linux operating systems]

Course Outline

1. Virtual Infrastructure Overview

- Define virtualization and identify vSphere components
- Learn to use the vCenter Server management interface
- View virtual network and storage components

2. Creating Virtual Machines

- Create and use templates to deploy virtual machines
- Automate guest operating system customization

3. Allocating Compute Resources to Business Functions

- Hierarchically allocate CPU and memory resources
- Set virtual machine priorities on CPU and memory resources
- Create resource pools

4. Migrating Virtual Machines

- Migrate live virtual machines using VMware VMotion™ and VMware Storage VMotion

5. Balancing Virtual Machine Workloads

- Configure a VMware Distributed Resource Scheduler cluster and resource pools

6. Monitoring the Virtual Datacenter

- Become familiar with vCenter Server graphs to monitor virtual machine performance
- Use vCenter Server alarms to monitor and proactively respond to ESX/ESXi and virtual machine state changes

7. High Availability and Fault Tolerance

- Configure a VMware High Availability cluster
- Understand how VMware Fault Tolerance works



VMware vSphere: Overview [V4]

8. Extending VMware vSphere Capabilities

- Discuss how different VMware products and features work together to reduce the costs and improve the efficiency, availability, flexibility, and manageability of your datacenter