

VMware vSphere: Skills for Operators [V4]

Duration: 4 Days

Course Description

Learn to configure and manage VMware® vSphere™ virtual machines in this hands-on training course based on VMware ESX™ 4.0 and VMware vCenter™ Server 4.0. You will gain the skills necessary to work effectively with VMware virtual machines. The course is a prerequisite for several more-advanced vSphere courses.

Audience

System administration experience on Microsoft Windows or Linux operating systems

Prerequisites

System administration experience on Microsoft Windows or Linux

Topics

1. Introduction to VMware Virtualization

- Virtualization and vSphere components

2. Virtual Machine Creation and Management

- Create a virtual machine
- Install a guest operating system in a virtual machine
- Install VMware Tools into a Windows guest operating system
- Enable time synchronization between a virtual machine and the host
- Create a template
- Create a template and deploy a virtual machine from it
- Clone a virtual machine that is powered on
- Take snapshots of a virtual machine and revert to a snapshot
- Modify a virtual machine's disk, memory, and name
- Manipulate virtual machines in the vCenter Server inventory
- Delete a virtual machine from disk
- Add a raw LUN to an existing virtual machine

3. Virtual Machine Resource Monitoring

- Use vCenter Server to monitor CPU utilization

4. Using Update Manager to Update Virtual Machines

- Patches installed on both your virtual machine and template
- Create a patch baseline
- Scan for updates
- Remediate the virtual machine and template

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5. Migrating Virtual Machines

- Verify that your virtual machines' settings meet vMotion requirements
- Verify that your ESX host meets vMotion requirements
- Perform a vMotion migration
- Perform a Storage vMotion migration

6. Troubleshooting Virtual Machines

- Identify and correct common virtual machine configuration issues