



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**You can reach us at:**

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CODE:	LENGTH:	PRICE:
VM-VS-SKILL-55	16 Hours (2 days)	\$1,695.00

### Description

VMware vSphere: Skills for Operators is a two-day technical classroom training course designed to help operators and administrators create and manage virtual machines. This two-day lecture and lab course will help students gain the skills required to work effectively with VMware® virtual machines. This course is based on VMware® ESXi™ 5.5 and VMware® vCenter Server™ 5.5. After completing this course, students may enroll in advanced VMware vSphere® courses. For advanced vSphere course options, go to <http://www.vmware.com/education>.

### Objectives

The objective of this course is to provide students a strong understanding of VMware virtual machine features in vSphere 5.5. By the end of this course, you should be able to meet the following objectives:

- Describe virtualization, virtual machines, and vSphere components
- Describe the concepts of server, network, and storage virtualization
- Deploy, configure, and manage virtual machines
- Use vCenter Server to monitor virtual machine resource usage
- Use VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® to migrate virtual machines

### Audience

Operators responsible for ESXi and vCenter Server management

### Prerequisites

System administration experience on Microsoft Windows or Linux operating systems

### Programme

1 Course Introduction • Introductions and course logistics • Course goals and objectives • Online vSphere resources • Location of online vSphere documentation 2 Introduction to VMware Virtualization • Compare the components and concepts of virtual and traditional architecture • Describe a virtual machine • Identify the benefits of using a virtual machine • Describe VMware virtualization concepts • Describe the components and features of vSphere • Describe inventory objects managed by vSphere • Describe the features of vCenter Server 3 VMware vSphere Web Client • Access and use the VMware vSphere® Web Client • Describe the navigation panes in the vSphere Web Client 4 Creating and Managing Virtual Machines • Describe virtual machine components • Create a virtual machine • Install a guest operating system and VMware® Tools™ • Clone a virtual machine • Create an OVF template • Customize a virtual machine • Register and unregister a virtual machine in vCenter Server • Perform snapshot operations 5 Virtual Machine Resource Monitoring • Introduce virtual CPU and memory concepts • Describe methods for optimizing CPU, memory, and disk usage • Use vCenter Server performance graphs and alarms to monitor virtual machine resource usage • Describe and monitor tasks • Describe, monitor, and manage events • Describe, monitor, manage, and acknowledge alarms 6 Using VMware vSphere vApps • Describe VMware vSphere® vApps™ • Create, edit, and manage a vApp • Clone a vApp • Manage the power status of a vApp 7 Migrating Virtual Machines • Describe and use cold migration to migrate a virtual machine • Verify host and virtual machine requirements for vSphere vMotion • Migrate a virtual machine with vSphere vMotion • Migrate virtual machine storage with vSphere Storage vMotion • Describe CPU compatibility with Enhanced vMotion Compatibility • Describe VMware vSphere® Distributed Resource Scheduler™ • Summarize VMware vSphere® High Availability

### Test and Certification

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## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

[This training is also available as onsite training. Please contact us to find out more.](#)