

VMware vSphere: Practitioner Workshop

Duration: 3 Days **Course Code: VMVPM** **Version: 6.7**

Overview:

In this three-day workshop, you will perform various tasks that a system administrator performs on a regular basis. These tasks include updating and upgrading an existing basic VMware vSphere® environment and troubleshooting common problems. You apply the concepts learned during the VMware vSphere: Install, Configure, Manage course, while you increase your skill and competence.

This course is based on ESXi 6.7 and vCenter Server 6.7

Target Audience:

System administrators and engineers, with beginner to intermediate knowledge of vSphere, who want to gain proficiency in the management of the vSphere lifecycle

Objectives:

- **After completing this course you should be able to:**
- Explore VMware vSphere® Distributed Switch™ configuration options
- Construct a vSphere Distributed Switch for VMware vSphere® vMotion® and VM Traffic
- Discuss vSphere storage concepts
- Differentiate between VMware vSphere® VMFS and NFS datastores
- Construct an iSCSI VMkernel Interface on a vSphere Distributed Switch
- Create VMFS datastores
- Discuss vSphere vMotion migration workflow
- Discuss VMware vSphere® Storage vMotion® migration workflow
- Complete virtual machine storage migrations
- Automate virtual machine migrations using VMware vSphere® Distributed Resource Scheduler™
- Discuss VMware vCenter Server® migration paths
- Complete a migration of Windows vCenter Server to VMware vCenter® Server Appliance™
- Discuss VMware vSphere® Update Manager™ concepts
- Perform VMware ESXi™ hosts upgrades using vSphere Update Manager
- Employ host profiles to configure an ESXi host
- Configure VMware vSphere® High Availability
- Demonstrate the ESXi Cluster Quickstart feature
- Create a content library
- Create a virtual machine template
- Create customization specifications
- Deploy a virtual machine from a template in the content library
- Clone virtual machines
- Configure vCenter Server Appliance backup
- Forward vCenter Server Appliance log files to a remote syslog server
- Configure VMware vCenter Server® High Availability

Prerequisites:

Attendees should meet the following prerequisites:

- Completion of the VMware vSphere: Install, Configure, Manage

Testing and Certification

Recommended as preparation for the following exam:

- There is no exam currently aligned to this course

Content:

Course Introduction

- Introductions and course logistics
- Overview of modules and course objectives

vSphere Networking

- Describe vSphere Distributed Switch architecture
- Create and configure a vSphere Distributed Switch for virtual machine and vMotion traffic
- Migrate vSphere networking interfaces to a vSphere Distributed Switch

vSphere Storage

- Identify storage protocols and iSCSI storage components
- Create and manage VMware vSphere VMFS and NFS datastores
- Explain how multipathing works with iSCSI

vSphere vMotion

- Perform vSphere Storage vMotion migrations
- Use vSphere DRS clusters to improve host scalability
- View information about a vSphere DRS cluster

vSphere Upgrade

- Discuss vCenter Server migration paths and steps
- Migrate and upgrade vCenter Server for Windows to vCenter Server Appliance
- Describe the architecture, components, and capabilities of vSphere Update Manager
- Use vSphere Update Manager to manage the update of ESXi hosts

vSphere Cluster Operations

- Add ESXi hosts to vCenter Server
- Describe and use host profiles
- Customize ESXi host configuration
- Configure and manage a vSphere HA cluster
- Create and customize a cluster using the Quickstart workflow

Virtual Machine Management

- Define and use content libraries
- Use templates and cloning to deploy new virtual machines
- Use customization specification files to customize a new virtual machine

Native Features of vCenter Server Appliance

- Access and configure the vCenter Server Appliance management interface
- Create a vCenter Server Appliance backup schedule
- Configure vCenter Server High Availability

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

training@globalknowledge.com.sa

www.globalknowledge.com/en-sa/

Global Knowledge - KSA, 393 Al-Uroubah Road, Al Worood, Riyadh 3140, Saudi Arabia