
vSphere 4: Managing Scalability

Duration: 1 Day Course Code: VSMS

Overview:

This course shows you how to follow best practices for secure design, deployment, and operation of a VMware vSphere™ environment. Through lecture, discussion, and hands-on practice, you will gain the knowledge and skills necessary to meet the security and compliance goals of your organization.

Target Audience:

System administrators, systems engineers, and consultants responsible for securing a vSphere installation

Objectives:

- After completing this course, you should be able to:
 - Harden vSphere components as described in *vSphere Hardening Guide*
 - Recommend configuration and change management policies, processes, and systems
 - Identify vulnerabilities in the current design of a vSphere environment and recommend corrective actions
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Prerequisites:

Completion of one of the following courses:

- VMware vSphere 4: Install, Configure & Manage (VSICM)
 - VMware vSphere 4: What's New (VMWN)
 - VMware vSphere 4: Fast Track (VSFT)
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Follow-on-Courses:

Possible follow-on courses are:

- VMware vSphere 4: Troubleshooting (VST)
 - VMware vSphere 4: Design Workshop (VSD)
 - VMware vSphere 4: Manage for Performance (VSMP)
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Content:

Module 1: Course Introduction

- Introductions and course logistics
- Online resources for security and compliance

Module 2: Security in a Virtual Environment

- Review of information security and risk management concepts
- How virtualization affects security and compliance
- Top vulnerabilities in a virtual environment
- Basic guidelines for securing a virtual environment
- Security tools and technologies

Module 3: Secure Virtual Networking

- vNetwork security architecture
- Network segmentation and traffic isolation
- Secure virtual network configuration
- Traffic isolation with private VLANs

Module 4: Protecting the Management Environment

- vCenter Server authentication, authorization, and accounting Working with SSL certificates
- Hardening the vCenter Server system

Module 5: Protecting VMware ESX/ESXi Host Systems

- ESX and ESXi security architecture
- Controlling access to storage
- Hardening ESX and ESXi hosts.

Module 6: Hardening Virtual Machines

- Virtual machine security architecture
- Configuring security parameters

Module 7: Configuration and Change Management

- Configuration and change management goals and guidelines
- Maintaining the proper configuration of vSphere components
- Monitoring logs for security-related events
- Configuration and change management tools and technologies

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

info@globalknowledge.co.uk

www.globalknowledge.co.uk

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK