Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vSphere: Advanced Administration Workshop [V7]

CODE:	LENGTH:	PRICE:
VMW_VSAAW7	40 Hours (5 days)	£3,520.00

Description

This five-day course provides hands-on training to equip students with a range of skills, from performing routine VMware vSphere® 7 administrative tasks to complex vSphere operations and configurations. Through lab-based activities, students are immersed in real-life situations faced by VMBeans, a fictitious company. These situations expose students to real-life scenarios faced by companies that are building and scaling their virtual infrastructure.
Approximately 90% of the class is application-focused and taught through labs. The course aligns fully with the VMware Certified Advanced Professional – Data Center Virtualization Deploy exam objectives.

Objectives

By the end of the course, you should be able to meet the following objectives:

- • Configure and manage complex storage solutions in a vSphere environment (including NFS, iSCSI, and so on)
- • Configure and manage complex, scalable vSphere networking operations (vSphere Standard Switch and Distributed Switches)
- • Deploy, manage, and optimize virtual machines (advanced configuration, content library, latency-sensitive workloads, and more)
- • Manage business continuity and operations in your vSphere environment (VMware vCenter® Server Appliance™ file-based backup, VMware vCenter Server® profiles, host profiles, and so on)
- • Plan and implement increased vSphere security (use a Key Provider, VM Encryption, CPU scheduler remediations, and so on)
- • Troubleshoot the vSphere environment
- • Use VMware vSphere® Lifecycle Manager™ to upgrade to VMware ESXi™ hosts and virtual machines (VUM, image-based clusters, and so on)
- • Implement vSphere cluster solutions (Cluster QuickStart wizard, VMware vSphere® Distributed Resource Scheduler™, VMware vSphere® High Availability, VMware vSAN™, and so on)
- • Implement resource optimizations to streamline vSphere deployments
- • Create an advanced configuration of vCenter Server (including an identity source)

Audience

- • System administrators
- • System engineer

Prerequisites

This course requires the following prerequisites:

- • Completion of VMware vSphere: Optimize and Scale [V7] course
- • VMware Certified Professional – Data Center Virtualization (VCP-DCV) certification

- • System administration experience on Microsoft Windows or Linux operating systems

Programme

1 Course Introduction

- • Introductions and course logistics
- • Course objectives
- • Introduction to fictitious company: VMBeans

2 Configure and Manage Your vSphere Environment

- • Perform various vCenter Server configurations
- • Configure an external identity source
- • Configure virtual networking with advanced options
- • Configure and manage advanced storage configurations
- • Configure vSphere clusters (also using Cluster QuickStart)

3 Management and Operations in Your Data Center

- • Collect vSphere log files
- • Configure vCenter Server file-based backup
- • Working with vCenter Server profiles
- • Configure and manage advanced cluster settings
- • Create and configure advanced host options
- • Create and manage host profiles
- • Manage and remediate clusters using vSphere Lifecycle Manager
- • Create and configure a Content Library
- • Update a managed virtual machine template
- •

Configure a central VMware ToolsTM installation repository
- • Manage vSphere roles and permissions

4 Troubleshoot Your Data Center Environment

- • Troubleshoot vSphere configuration issues
- • Troubleshoot resource pool configuration issues
- • Troubleshoot network and storage issues
- • Troubleshoot ESXi host issues
- • Troubleshoot vCenter Server resource issues

5 Increasing Security in Your Data Center

- • Create and manage a Key Management solution
- • Create an encrypted virtual machine
- • Configure CPU scheduler options to achieve security remediations

6 Performance and Optimization in Your Data Center

- • Manage advanced virtual machine configurations
- • Identify and implement vSphere resource optimization opportunities

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.