

VMware vSphere: Skills for Operators [V6.7] (EDU-VSO67)

 Live Online oder Präsenz

Dauer : 2 Tage (14 Stunden)

Nr. : 59454

Preis : 1.450,00 € netto

1.725,50 € inkl. 19 % MwSt.

Inhouse-Paket : Auf Anfrage

This two-day training course is for operators and administrators who create and manage virtual machines. This course provides you with an understanding of VMware virtual machine features in VMware vSphere® 6.7. By combining lecture and hands-on labs, you gain the skills required to work effectively with VMware virtual machines.

Wer sollte teilnehmen:

Zielgruppe

Technical professionals with system administration skills and operators responsible for managing virtual machines using VMware ESXi™ and vCenter Server.

Voraussetzungen

This course has the following prerequisites:

- System administration experience on Microsoft, Linux, and Solaris
- Understanding of basic network and storage concepts

Trainingsprogramm

Objectives

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

- Describe virtualization, virtual machines, and vSphere components
- Describe the concepts of server, network, storage, and desktop virtualization
- Deploy, configure, clone, and manage virtual machines
- Use VMware vCenter Server® to monitor virtual machine resource usage
- Use VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® to migrate virtual machines
- Use VMware vSphere® Distributed Resource Scheduler™ and VMware vSphere® High Availability to optimize the performance of your vSphere virtual environment

Product Alignment

- ESXi 6.7
- vCenter Server 6.7

Outline

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Introduction to vSphere and the Software-Defined Data Center

- Describe how vSphere fits into the software-defined data center and the cloud infrastructure
- Explain how vSphere interacts with CPUs, memory, networks, and storage
- Use vSphere Client to access and manage your vCenter Server system and ESXi host
- Compare virtual machine hardware version 14 to other versions
- Identify the virtual network adapters, and describe the enhanced VMXNET3
- Compare the types of virtual disk provisioning

3 Creating Virtual Machines

- Create, provision, and remove a virtual machine
- Explain the importance of VMware Tools™
- Describe how to import a virtual appliance OVF template

4 vCenter Server

- Describe the vCenter Server architecture
- Discuss how ESXi hosts communicate with vCenter Server
- Use vSphere Client to manage the vCenter Server inventory
- Add data center and organizational objects to vCenter Server
- Add hosts to vCenter Server
- Discuss how to create custom inventory tags for inventory objects
- Monitor VMware vCenter® Server Appliance™
- Monitor vCenter Server Appliance for service and disk space usage
- Use vSphere alarms for resource exhaustion and service failures

5 Configuring and Managing Virtual Networks

- Describe the virtual switch connection types
- Configure and view standard switch configurations, such as virtual machine port group, VMkernel port, VLAN, and security features
- List the features comparison of standard and distributed switches

6 Virtual Storage

- Describe vSphere storage technologies and datastores

7 Virtual Machine Management

- Use templates and cloning to deploy new virtual machines
- Enable guest operating system customization by vCenter Server
- Upgrade a virtual machine's hardware
- Perform an instant clone of a VM
- Describe virtual machine settings and options
- Add a hot-pluggable device
- Dynamically increase the size of a virtual disk
- Add a raw device mapping (RDM) to a virtual machine
- Perform a vSphere vMotion migration
- Perform a vSphere Storage vMotion migration

8 Resource Management and Monitoring

- Use the performance-tuning methodology and resource monitoring tools
- Use performance charts to view and improve performance
- Monitor the key factors that can affect the virtual machine's performance: CPU, memory, disk, and network bandwidth use
- Create alarms with condition-based triggers
- Create alarms with event-based triggers
- View and acknowledge triggered alarms

9 vSphere HA

- Describe the options that you can configure to make your vSphere environment highly available
- Discuss the response of vSphere HA when an ESXi host, a virtual machine, or an application fails

10 vSphere DRS

- Describe the functions of a vSphere DRS cluster
- Create a vSphere DRS cluster
- View information about a vSphere DRS cluster
- Remove a host from a vSphere DRS cluster

Schulungsmethode

presentation, discussion, hands-on exercises, demonstrations on the system.

Termine und Orte

München

31. Mai bis 01. Jun	07. Jul bis 08. Jul	08. Sep bis 09. Sep
17. Nov bis 18. Nov		

Live Online Training

31. Mai bis 01. Jun	02. Jun bis 03. Jun	09. Jun bis 10. Jun
09. Jun bis 10. Jun	20. Jun bis 21. Jun	07. Jul bis 08. Jul
11. Jul bis 12. Jul	21. Jul bis 22. Jul	28. Jul bis 29. Jul
01. Aug bis 02. Aug	15. Aug bis 16. Aug	18. Aug bis 19. Aug
22. Aug bis 23. Aug	08. Sep bis 09. Sep	15. Sep bis 16. Sep
19. Sep bis 20. Sep	29. Sep bis 30. Sep	06. Okt bis 07. Okt
17. Okt bis 18. Okt	24. Okt bis 25. Okt	27. Okt bis 28. Okt
14. Nov bis 15. Nov	17. Nov bis 18. Nov	21. Nov bis 22. Nov
24. Nov bis 25. Nov	01. Dez bis 02. Dez	08. Dez bis 09. Dez
12. Dez bis 13. Dez	15. Dez bis 16. Dez	

Leinfelden-Echterdingen

09. Jun bis 10. Jun	18. Aug bis 19. Aug	24. Okt bis 25. Okt
01. Dez bis 02. Dez		

Online Anmeldung:

Kundenservice | Tel. 0711 62010 100 | Fax: 0711 62010 267 | seminaranmeldung@integrata-cegos.de
<https://www.integrata-cegos.de/59454>

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