

VMware vSphere 6.7: Install, Configure, Manage

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This five-day course features intensive hands-on training that focuses on installing, configuring, and managing VMware vSphere® 6.7, which includes VMware ESXi™ 6.7 and VMware vCenter Server® 6.7. This course prepares you to administer a vSphere infrastructure for an organization of any size. It is the foundation for most other VMware technologies in the software-defined data center.

Das Seminar wird als Voraussetzung für die Zertifizierung als VMware Certified Professional 6.5 Data Center Virtualization (VCP6-DCV) anerkannt.

Kursinhalt

- Course Introduction
- Introduction to vSphere and the Software-Defined Data Center
- Creating Virtual Machines
- vCenter Server
- Configuring and Managing Virtual Networks
- Configuring and Managing Virtual Storage
- Virtual Machine Management
- Resource Management and Monitoring
- vSphere HA, vSphere Fault Tolerance and Protecting Data
- vSphere DRS
- vSphere Troubleshooting

E-Book Jeder Teilnehmer erhält englischsprachige Unterlagen von VMware als E-Book.

Zielgruppe

- System administrators
- System engineers

Voraussetzungen

- System administration experience on Microsoft Windows or Linux operating systems

Stand 24.05.2019

Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: www.experteach.de/go/VMV6

Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training		Preise zzgl. MwSt.	
Classroom Training	5 Tage	€ 3.295,-	
Online Training	5 Tage	€ 3.295,-	
Termin/Kursort	Kurssprache Deutsch 		
20.05.-24.05.19	München	23.09.-27.09.19	Frankfurt
03.06.-07.06.19	Frankfurt	07.10.-11.10.19	Leinfelden
17.06.-21.06.19	Hamburg	14.10.-18.10.19	Wien
24.06.-28.06.19	Graz	14.10.-18.10.19	Wien
01.07.-05.07.19	München	21.10.-25.10.19	München
08.07.-12.07.19	Düsseldorf	04.11.-08.11.19	Hamburg
08.07.-12.07.19	Leinfelden	04.11.-08.11.19	Innsbruck
08.07.-12.07.19	Online	04.11.-08.11.19	Leinfelden
15.07.-19.07.19	München	11.11.-15.11.19	München
15.07.-19.07.19	Wien	11.11.-15.11.19	Online
05.08.-09.08.19	Berlin	11.11.-15.11.19	Wien
12.08.-16.08.19	Hamburg	18.11.-22.11.19	Düsseldorf
19.08.-23.08.19	Frankfurt	02.12.-06.12.19	Berlin
19.08.-23.08.19	Wien	02.12.-06.12.19	Frankfurt
26.08.-30.08.19	Böblingen	02.12.-06.12.19	München
26.08.-30.08.19	Düsseldorf	09.12.-13.12.19	Hamburg
26.08.-30.08.19	Hamburg	09.12.-13.12.19	Leinfelden
26.08.-30.08.19	Leinfelden	09.12.-13.12.19	Wien
16.09.-20.09.19	München	09.12.-13.12.19	Wien
16.09.-20.09.19	Wien	13.01.-17.01.20	Wien
23.09.-27.09.19	Berlin	17.02.-21.02.20	Wien
Termin/Kursort	Kurssprache Englisch 		
24.06.-28.06.19	Online	14.10.-18.10.19	Online
05.08.-09.08.19	Online	02.12.-06.12.19	Online



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VMware vSphere 6.7: Install, Configure, Manage

1 Course Introduction

- Introductions and course logistics
- Course objectives
- Describe the content of the course
- Gain a complete picture of the VMware certification system
- Familiarize yourself with the benefits of the VMware Education Learning Zone
- Identify additional resources

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
- Identify the advantages of ESXi Quick Boot

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
- Manage VMware Tools
- Explain troubleshooting OS installation and VMware Tools

4 vCenter Server

- Describe the vCenter Server architecture
- Discuss how ESXi hosts communicate with vCenter Server
- Identify the vCenter Server services, components, and modules
- Access and configure vCenter Server Appliance
- Use vSphere Client to manage the vCenter Server inventory
- Describe the rules for applying permissions
- Create a custom role in vCenter Server
- Create a backup schedule
- Restore vCenter Server Appliance from backup
- Monitor vCenter Server Appliance

5 Configuring and Managing Virtual Networks

- Describe, create, and manage standard switches

- Configure virtual switch security and load-balancing policies
- Compare vSphere distributed switches and standard switches
- Describe the virtual switch connection types
- Describe the new TCP/IP stack architecture
- Use VLANs with standard switches

6 Configuring and Managing Virtual Storage

- Identify storage protocols and storage device types
- Discuss ESXi hosts using iSCSI, NFS, and Fibre Channel storage
- Create and manage VMware vSphere® VMFS and NFS datastores
- Describe the new features of VMFS 6.5
- Identify the advantages of VMware vSAN™
- Describe guest file encryption

7 Virtual Machine Management

- Use templates and cloning to deploy new virtual machines
- Modify and manage virtual machines
- Clone a virtual machine
- Upgrade virtual machine hardware to version 14
- Remove virtual machines from the vCenter Server inventory and datastore
- Use customization specification files to customize a new virtual machine
- Perform vSphere vMotion and vSphere Storage vMotion migrations
- Create and manage virtual machine snapshots
- Create, clone, and export vApps
- Identify the types of content libraries and how to deploy and use them

8 Resource Management and Monitoring

- Discuss CPU and memory concepts in a virtualized environment
- Describe what overcommitment of a resource means
- Identify additional technologies that improve memory usage
- Configure and manage resource pools
- Describe methods for optimizing CPU and memory usage
- Use various tools to monitor resource usage
- Create and use alarms to report certain conditions or events

9 vSphere HA, vSphere Fault Tolerance, and Protecting Data

- Explain the vSphere HA architecture

- Configure and manage a vSphere HA cluster
- Use vSphere HA advanced parameters
- Enforce infrastructural or intra-app dependencies during failover
- Describe vSphere HA heartbeat networks and datastore heartbeats
- Examine the features and functions of vSphere Fault Tolerance
- Enable vSphere Fault Tolerance on virtual machines
- Support vSphere Fault Tolerance interoperability with vSAN
- Examine enhanced consolidation of vSphere Fault Tolerance virtual machines
- Examine the features and functions of vSphere Replication

10 vSphere DRS

- Describe the functions of a vSphere DRS cluster
- Create a vSphere DRS cluster
- View information about a vSphere DRS cluster
- Configure virtual machine affinity, DRS groups, and VM-host affinity rules
- Remove a host from a vSphere DRS cluster

11 vSphere Update Manager

- Describe the new architecture, components, and capabilities of vSphere Update Manager
- Use vSphere Update Manager to manage the patching of ESXi, virtual machines, and vApps
- Install vSphere Update Manager and the vSphere Update Manager plug-in
- Create patch baselines
- Use host profiles to manage host configuration compliance
- Examine the features and functions of vSphere Update Manager EAM integration
- Integrate vSphere Update Manager with vSphere DRS
- Scan and remediate hosts

12 vSphere Troubleshooting

- Define the scope of troubleshooting
- Use a structured approach to solve configuration and operational problems
- Identify troubleshooting methodology to logically diagnose faults and improve trouble



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