

## VMware vSphere: Install, Configure, Manage V8

Dieser Kurs bietet eine intensive praxisorientierte Ausbildung, die sich auf die Installation, Konfiguration und Verwaltung von VMware vSphere 8 konzentriert, einschließlich VMware ESXi 8 und VMware vCenter Server 8. Das Training bereitet Sie darauf vor, eine vSphere-Infrastruktur für ein Unternehmen jeder Größe zu verwalten. Sie ist die Grundlage für die meisten anderen VMware-Technologien im Software-Defined-Data-Center.

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

### Kursinhalt

- Course Introduction
- vSphere and Virtualization Overview
- Installing and Configuring ESXi
- Deploying and Configuring vCenter
- Configuring vSphere Networking
- Configuring vSphere Storage
- Deploying Virtual Machines
- Managing Virtual Machines
- Deploying and Configuring vSphere Clusters
- Managing the vSphere Lifecycle

**E-Book** Sie erhalten englischsprachige Unterlagen von VMware als E-Book.

### Zielgruppe

- Systemadministratoren
- Systemtechniker

### Voraussetzungen

Erfahrung in der Systemadministration mit Microsoft Windows- oder Linux-Betriebssystemen.

### Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.experteach.de/go/VICM](http://www.experteach.de/go/VICM)

### 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.	
<b>Termine in Deutschland</b>	<b>5 Tage</b>	<b>€ 3.295,-</b>
<b>Termine in Österreich</b>	<b>5 Tage</b>	<b>€ 3.295,-</b>
<b>Online Training</b>	<b>5 Tage</b>	<b>€ 3.295,-</b>
<b>Termin/Kursort</b>	Kursrsprache <b>Deutsch</b>	
13.05.-17.05.24	Online	23.09.-27.09.24  Online
03.06.-07.06.24	Berlin	23.09.-27.09.24  Wien
03.06.-07.06.24	Hamburg	07.10.-11.10.24 Berlin
03.06.-07.06.24	Online	07.10.-11.10.24  Hamburg
10.06.-14.06.24	Online	07.10.-11.10.24  Online
10.06.-14.06.24	Wien	21.10.-25.10.24  Düsseldorf
24.06.-28.06.24	Düsseldorf	21.10.-25.10.24  Online
24.06.-28.06.24	Online	28.10.-01.11.24  Frankfurt
08.07.-12.07.24	Frankfurt	28.10.-01.11.24  Online
08.07.-12.07.24	Online	04.11.-08.11.24  München
22.07.-26.07.24	München	04.11.-08.11.24  Online
22.07.-26.07.24	Online	04.11.-08.11.24 Stuttgart
22.07.-26.07.24	Stuttgart	11.11.-15.11.24  Hamburg
12.08.-16.08.24	Hamburg	11.11.-15.11.24  Online
12.08.-16.08.24	Online	25.11.-29.11.24  Online
19.08.-23.08.24	Düsseldorf	25.11.-29.11.24  Wien
19.08.-23.08.24	Online	09.12.-13.12.24  Düsseldorf
02.09.-06.09.24	Frankfurt	09.12.-13.12.24  Online
02.09.-06.09.24	Online	16.12.-20.12.24  Frankfurt
09.09.-13.09.24	München	16.12.-20.12.24  Online
09.09.-13.09.24	Online	

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## VMware vSphere: Install, Configure, Manage V8

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 vSphere and Virtualization Overview

- Explain basic virtualization concepts
- Describe how vSphere fits in the software-defined data center and the cloud infrastructure
- Recognize the user interfaces for accessing vSphere
- Explain how vSphere interacts with CPUs, memory, networks, storage, and GPUs

### 3 Installing and Configuring ESXi

- Install an ESXi host
- Recognize ESXi user account best practices
- Configure the ESXi host settings using the DCUI and VMware Host Client

### 4 Deploying and Configuring vCenter

- Recognize ESXi hosts communication with vCenter
- Deploy vCenter Server Appliance
- Configure vCenter settings
- Use the vSphere Client to add and manage license keys
- Create and organize vCenter inventory objects
- Recognize the rules for applying vCenter permissions
- View vCenter logs and events

### 5 Configuring vSphere Networking

- Configure and view standard switch configurations
- Configure and view distributed switch configurations
- Recognize the difference between standard switches and distributed switches
- Explain how to set networking policies on standard and distributed switches

### 6 Configuring vSphere Storage

- Recognize vSphere storage technologies
- Identify types of vSphere datastores
- Describe Fibre Channel components and addressing
- Describe iSCSI components and addressing
- Configure iSCSI storage on ESXi
- Create and manage VMFS datastores

- Configure and manage NFS datastores

### 7 Deploying Virtual Machines

- Create and provision VMs
- Explain the importance of VMware Tools
- Identify the files that make up a VM
- Recognize the components of a VM
- Navigate the vSphere Client and examine VM settings and options
- Modify VMs by dynamically increasing resources
- Create VM templates and deploy VMs from them
- Clone VMs
- Create customization specifications for guest operating systems
- Create local, published, and subscribed content libraries
- Deploy VMs from content libraries
- Manage multiple versions of VM templates in content libraries

### 8 Managing Virtual Machines

- Recognize the types of VM migrations that you can perform within a vCenter instance and across vCenter instances
- Migrate VMs using vSphere vMotion
- Describe the role of Enhanced vMotion Compatibility in migrations
- Migrate VMs using vSphere Storage vMotion
- Take a snapshot of a VM
- Manage, consolidate, and delete snapshots
- Describe CPU and memory concepts in relation to a virtualized environment
- Describe how VMs compete for resources
- Define CPU and memory shares, reservations, and limits

### 9 Deploying and Configuring vSphere Clusters

- Create a vSphere cluster enabled for vSphere DRS and vSphere HA
- View information about a vSphere cluster
- Explain how vSphere DRS determines VM placement on hosts in the cluster
- Recognize use cases for vSphere DRS settings
- Monitor a vSphere DRS cluster
- Describe how vSphere HA responds to various types of failures

- Identify options for configuring network redundancy in a vSphere HA cluster
- Recognize vSphere HA design considerations
- Recognize the use cases for various vSphere HA settings
- Configure a vSphere HA cluster
- Recognize when to use vSphere Fault Tolerance

### 10 Managing the vSphere Lifecycle

- Enable vSphere Lifecycle Manager in a vSphere cluster
- Describe features of the vCenter Update Planner
- Run vCenter upgrade prechecks and interoperability reports
- Recognize features of vSphere Lifecycle Manager
- Distinguish between managing hosts using baselines and managing hosts using images
- Describe how to update hosts using baselines
- Describe ESXi images
- Validate ESXi host compliance against a cluster image and update ESXi hosts
- Update ESXi hosts using vSphere Lifecycle Manager
- Describe vSphere Lifecycle Manager automatic recommendations
- Use vSphere Lifecycle Manager to upgrade VMware Tools and VM hardware

