

VMware vSphere: Install, Configure, Manage V8

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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.at/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.	
Termine in Deutschland	5 Tage	€ 3.295,-	
Termine in Österreich	5 Tage	€ 3.295,-	
Online Training	5 Tage	€ 3.295,-	
Termin/Kursort	Kurssprache	Deutsch	
22.04.-26.04.24	Düsseldorf	02.09.-06.09.24	Online
22.04.-26.04.24	Online	09.09.-13.09.24	München
13.05.-17.05.24	Frankfurt	09.09.-13.09.24	Online
13.05.-17.05.24	Online	23.09.-27.09.24	Online
21.05.-24.05.24	München	23.09.-27.09.24	Wien
21.05.-24.05.24	Online	07.10.-11.10.24	Berlin
03.06.-07.06.24	Berlin	07.10.-11.10.24	Hamburg
03.06.-07.06.24	Hamburg	07.10.-11.10.24	Online
03.06.-07.06.24	Online	21.10.-25.10.24	Düsseldorf
10.06.-14.06.24	Online	21.10.-25.10.24	Online
10.06.-14.06.24	Wien	28.10.-01.11.24	Frankfurt
24.06.-28.06.24	Düsseldorf	28.10.-01.11.24	Online
24.06.-28.06.24	Online	04.11.-08.11.24	München
08.07.-12.07.24	Frankfurt	04.11.-08.11.24	Online
08.07.-12.07.24	Online	04.11.-08.11.24	Stuttgart
22.07.-26.07.24	München	11.11.-15.11.24	Hamburg
22.07.-26.07.24	Online	11.11.-15.11.24	Online
22.07.-26.07.24	Stuttgart	25.11.-29.11.24	Online
12.08.-16.08.24	Hamburg	25.11.-29.11.24	Wien
12.08.-16.08.24	Online	09.12.-13.12.24	Düsseldorf
19.08.-23.08.24	Düsseldorf	09.12.-13.12.24	Online
19.08.-23.08.24	Online	16.12.-20.12.24	Frankfurt
02.09.-06.09.24	Frankfurt	16.12.-20.12.24	Online

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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

