



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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| CODE: | LÄNGE: | PREIS: |
|--------------|-------------------|---------------|
| VMW_VSICM8 | 40 Hours (5 Tage) | €3,300.00 |

Description

Dieser fünftägige Kurs bietet ein intensives praktisches Training, das sich auf die Installation, Konfiguration und das Management von VMware vSphere 8 konzentriert, das VMware ESXi™ 8 und VMware vCenter® 8 umfasst. Dieser Kurs bereitet Sie auf die Verwaltung einer vSphere-Infrastruktur für ein Unternehmen jeder Größe vor.

Dieser Kurs ist die Grundlage für die meisten VMware-Technologien im softwaredefinierten Rechenzentrum.

Am Ende des Kurses sollten Sie in der Lage sein, die folgenden Ziele zu erreichen:

- Installieren und Konfigurieren von ESXi-Hosts
- vCenter bereitstellen und konfigurieren
- Verwenden des vSphere-Clients zum Erstellen des vCenter-Inventars und Zuweisen von Rollen an vCenter-Benutzer
- Erstellen von virtuellen Netzwerken mit vSphere-Standard-Switches und verteilten Switches
- Erstellen und Konfigurieren von Datenspeichern mit von vSphere unterstützten Speichertechnologien
- Verwenden des vSphere® Client™ zum Erstellen von virtuellen Maschinen, Vorlagen, Klonen und Snapshots
- Erstellen von Inhaltsbibliotheken für die Verwaltung von Vorlagen und die Bereitstellung von virtuellen Maschinen
- Verwalten der Ressourcenzuweisung für virtuelle Maschinen
- Migrieren virtueller Maschinen mit VMware vSphere® vMotion® und VMware vSphere® Storage vMotion®
- Erstellen und Konfigurieren eines vSphere-Clusters, der mit VMware vSphere® High Availability und VMware vSphere® Distributed Resource Scheduler™ aktiviert ist
- Verwalten des Lebenszyklus von vSphere, um vCenter, ESXi-Hosts und virtuelle Maschinen auf dem neuesten Stand zu halten

Zielgruppe

Systemverwalter
Systemingenieure

Voraussetzungen

Erfahrung in der Systemverwaltung von Microsoft Windows- oder Linux-Betriebssystemen

Inhalt

- Course Introduction
 - Introductions and course logistics
 - Course objectives
- 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
- 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
- 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

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

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

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

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

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

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 VMware 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

Kurstermine

| Datum | Lokation | Time Zone | Sprache | Type | Durchführungsgarantie | PREIS |
|-------------|----------|-----------|---------|-----------------------|-----------------------|-----------|
| 29 Jun 2026 | Wien | CEDT | German | Classroom | Yes | €3,300.00 |
| 29 Jun 2026 | Wien | CEDT | German | Instructor Led Online | Yes | €3,300.00 |
| 05 Oct 2026 | Wien | CEDT | German | Classroom | | €3,300.00 |
| 05 Oct 2026 | Wien | CEDT | German | Instructor Led Online | | €3,300.00 |
| 23 Nov 2026 | Wien | CET | German | Classroom | | €3,300.00 |
| 23 Nov 2026 | Wien | CET | German | Instructor Led Online | | €3,300.00 |

Zusätzliche Information

[Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.](#)