



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Sie erreichen uns hier**

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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

- Introductions and course logistics
- Course Introduction 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
- 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
- Deploying and Configuring vSphere Clusters
- Recognize when to use vSphere Fault Tolerance
- 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
- Managing the vSphere Lifecycle
- Use vSphere Lifecycle Manager to upgrade VMware Tools and VM hardware

## Kurstermine

Datum	Lokation	Time Zone	Sprache	Type	Durchführungsgarantie	PREIS
02 Sep 2024	Wien	CEDT	German	Classroom	Yes	€3,300.00
02 Sep 2024	Wien	CEDT	German	Instructor Led Online	Yes	€3,300.00
04 Nov 2024	Wien	CET	German	Classroom		€3,300.00
04 Nov 2024	Wien	CET	German	Instructor Led Online		€3,300.00
09 Dec 2024	Wien	CET	German	Classroom		€3,300.00
09 Dec 2024	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.](#)