



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Sie erreichen uns unter**

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## VMware vSphere: Operate, Scale and Secure [V8] - Special Promotion für VMware Partner

CODE:	LÄNGE:	PREIS:
VMW_WSVSOSS8	40 Hours (5 Tage)	€3,750.00

### Description

Diese Special Edition für VMware Partner ergänzt die Inhalte des neuen Kurses „VMware vSphere: Operate, Scale and Secure [V8]“, durch zusätzliche Themen zu der neuen Version vSphere 8.

So erlernen Sie fortgeschrittene Fähigkeiten zur Konfiguration und Wartung einer hochverfügbaren und skalierbaren virtuellen Infrastruktur. Durch eine Mischung aus Vorlesungen und praktischen Übungen konfigurieren und optimieren Sie die Funktionen von VMware vSphere 8, die die Grundlage für eine wirklich skalierbare Infrastruktur bilden.

Sie besprechen, wann und wo diese Funktionen den größten Effekt haben.

Zusätzlich gibt Ihnen unser Trainer am letzten Schultag einen Überblick über die folgende Themen:

- wichtige Unterschiede von vSphere 8.0 (und 7.0) im Vergleich zu Vorgängerversionen
- Verbesserungen in vSphere 8 bzgl. vCenter, ESXi Hypervisor, Speicherverwaltung, VMs und Sicherheit
- Neuerungen durch die vSphere Distributed Services Engine -Einführung in Hardware DPUs
- Aktualisierung von vSphere 8.0 Servern mit Data Processing Unit (DPU) mit dem vSphere Life Cycle Manager
- Verbesserungen in vSphere DRS, vSphere Memory Monitoring und Remediation -neue Einstellungen in den vNUMA
- Kombination von vSphere Lifecycle Manager und Auto Deploy -vSphere+ und Integration mit Cloud Umgebungen

Nehmen Sie an diesem Kurs teil, um Ihr Verständnis von vSphere zu vertiefen und zu erfahren, wie Ihre Organisation von den erweiterten Funktionen und Kontrollen profitieren kann.

Produktausrichtung VMware ESXi 8.0 VMware vCenter 8.0

Die Teilnahme an dem Kurs wird für die VMware Zertifizierung anerkannt. Bitte erfragen Sie Ihren Partner Preis per E-Mail an [training.ecs.de@arrow.com](mailto:training.ecs.de@arrow.com)

### Lernziel

By the end of the course, you should be able to meet the following objectives:

- Configure and manage a VMware Tools Repository
- Configure vSphere Replication and recover replicated VMs
- Manage VM resource usage with resource pools
- Configure and manage vSphere networking and storage for a large and sophisticated enterprise
- Configure VMware vCenter Server® High Availability
- Use host profiles to manage VMware ESXi™ 8 host compliance
- Use the vSphere Client and the command line to manage certificates
- Monitor the vCenter, ESXi, and VMs performance in the vSphere client
- Secure VMware vCenter® 8, ESXi, and VMs in your vSphere environment
- Use Identity Federation to configure the vCenter to use external identity sources
- Use VMware vSphere® Trust Authority™ secure the infrastructure for encrypted VMs

### Zielgruppe

Experienced system administrators, system engineers, and system integrators

### Voraussetzungen

This course requires the following:

- Attend VMware vSphere: Install, Configure, Manage [V8] **OR** : Equivalent knowledge and administration experience with vSphere
- Experience with working at the command line is highly recommended.

# Inhalt

## 2 Virtual Machine Operations

- Recognize the role of a VMware Tools™ Repository
- Configure a VMware Tools Repository
- Recognize the backup and restore solution for VMs
- Identify the components in the VMware vSphere® Replication™ architecture
- Deploy and configure vSphere Replication and VMware Site Recovery™ instances
- Recover replicated VMs

## 1 Course Introduction

- Introductions and course logistics
- Course objectives

## 3 vSphere Cluster Operations

- Create and manage resource pools in a cluster
- Describe how scalable shares work
- Describe the function of the vCLS
- Recognize operations that might disrupt the healthy functioning of vCLS VMs

## 4 Network Operations

- Configure and manage vSphere distributed switches
- Describe how VMware vSphere® Network I/O Control enhances performance
- Explain distributed switch features such as port mirroring and NetFlow
- Define vSphere Distributed Services Engine
- Describe the use cases and benefits of VMware vSphere® Distributed Services Engine™

## 5 Storage Operations

- Discuss vSphere support for NVMe and iSER technologies
- Describe the architecture and requirements of vSAN configuration
- Describe storage policy-based management
- Recognize components in the VMware vSphere® Virtual Volumes™ architecture
- Configure Storage I/O Control

## 6 vCenter and ESXi Operations

- Create a vCenter backup schedule
- Recognize the importance of vCenter High Availability
- Explain how vCenter Server High Availability works
- Use host profiles to manage ESXi configuration compliance
- Recognize the benefits of using configuration profiles
- Use the vSphere client and the command line to manage certificates

## 7 vSphere Monitoring

- Monitor the key factors that can affect a virtual machine's performance
- Describe the factors that influence vCenter performance
- Use vCenter tools to monitor resource use
- Create custom alarms in vCenter
- Describe the benefits and capabilities of VMware Skyline™
- Recognize uses for VMware Skyline Advisor™ Pro

## 8 vSphere Security and Access Control

- Recognize strategies for securing vSphere components, such as vCenter, ESXi hosts, and virtual machines
- Describe vSphere support for security standards and protocols
- Describe identity federation and recognize its use cases
- Configure identity federation to allow vCenter to use an external identity provider

## 9 vSphere Trusted Environments and VM Encryption

- Configure ESXi Host Access and Authentication
- Describe virtual machine security features
- Describe the components of a VM encryption architecture
- Create, manage, and migrate encrypted VMs
- List VM encryption events and alarms
- Describe the benefits and use cases of vSphere Trust Authority

## Test und Zertifizierung

VMware Certified Professional - Data Center Virtualization 2022  
VMware Certified Advanced Professional - Data Center Virtualization Deploy 2022  
VMware Certified Professional - Data Center Virtualization 2023  
VMware Certified Advanced Professional - Data Center Virtualization Deploy 2023

## Kurstermine

Datum	Lokation	Time Zone	Sprache	Type	Durchführungsgarantie	PREIS
18 Mar 2024	Virtual Classroom	GMT	German	Instructor Led Online		€3,750.00
13 May 2024	Virtual Classroom	EEST	German	Instructor Led Online		€3,750.00

## Zusätzliche Information

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