

VMware vSphere: Install, Configure, Manage

Kein Kursort verfügbar

Preis CHF: 4'300.00

Preis EUR: 3'569.00



Thema/Kursziel:

This hands-on training course explores installation, configuration, and management of VMware vSphere, which consists of VMware ESXi/ESX and VMware vCenter Server. Upon completion of this course, you can take the examination to become a VMware Certified Professional. The course is based on ESXi 4.0, ESX 4.0, and vCenter Server 4.0.

At the end of the course, you should gain an understanding of the functionality in VMware vSphere 4 and be able to:

- Install and configure ESX
- Install and configure vCenter Server
- Configure and manage ESX networking and storage using vCenter Server
- Deploy and manage virtual machines
- Manage user access to the VMware infrastructure
- Increase scalability using vCenter Server
- Monitor resource usage using vCenter Server
- Apply patches using VMware vCenter Update Manager
- Manage higher availability and data protection using vCenter Server

Best practices and lab exercises are interspersed throughout the course.

Zielgruppen:

System administrators, systems engineers, and operators responsible for ESXi, ESX, and/or vCenter Server

Kursinhalt:

- Module 1: Course Introduction
- Module 2: Introduction to VMware Virtualization
 - Discussion of virtualization and vSphere components
- Module 3: Configuring ESXi/ESX
 - Configuration of ESXi and ESX
- Module 4: Installing and Using VMware vCenter Server
 - Install and configure vCenter Server, and use the VMware vSphere Client to manage vCenter Server inventory hierarchies
- Module 5: Networking
 - Configuration of vNetwork standard and distributed switches, network connections, and port groups
- Module 6: Storage
 - Storage management technologies
- Module 7: Virtual Machines
 - Deploy virtual machines using templates, VMware vCenter Converter, Guided Consolidation
 - Modifying, managing, and migrating virtual machines
- Module 8: Access Control

- Controlling user access through roles and permissions
- Module 9: Resource Monitoring
- Workload assessment, monitoring using vCenter Server
- Module 10: Scalability
- VMware VMotion™ migrations
- Setup of resource pools and VMware Distributed Resource Scheduler cluster
- Module 11: High Availability and Data Protection
- Setup of a VMware High Availability cluster
- Backup and recovery of virtual machines using VMware Data Recovery
- Module 12: Configuration Management
- Patching using vCenter Update Manager
- Module 13: Installing ESX
- Installation of ESX

Voraussetzungen:

System administration experience on Microsoft Windows or Linux operating systems

Kursumgebung:

Kurssprache:

Die Kurssprache ist standardmässig deutsch. In Abstimmung mit den Kursteilnehmern kann der Kurs auch englisch erfolgen (z.B. für firmeninterne Kurse).

Kursdokumentation:

Eine ausführliche Dokumentation (Original VMware Unterlagen) in englischer Sprache wird den Teilnehmern abgegeben.

Dieser Kurs wird in Zusammenarbeit mit der Firma Magirus (www.magirus.ch) durchgeführt.