

VMware Data Center Virtualization: Core Technical Skills

This hands-on course is an introduction to VMware vSphere®. In this training, you will gain the skills you need to perform operational tasks typically associated with the role of an operator or junior administrator in a vSphere environment.

Course Contents

- Course Introduction
- Virtualization and vSphere Concepts
- Navigating the vSphere Client
- Lifecycle of Virtual Machines
- vSphere Networking
- vSphere Storage
- Virtual Machine Management
- Resource Monitoring
- vSphere Clusters

E-Book You will receive the documentation of VMware in English language as an e-book.

Target Group

Technical experts with basic knowledge of system administration and operators responsible for the management of virtual machines with VMware ESXi™ and VMware vCenter Server®.

Prerequisites

- Basic knowledge of operating systems
- Understanding of basic networking, storage and computer hardware concepts

Course Target

Participation in this course is recommended to obtain the following certification:

- VMware Certified Technical Associate - Data Center Virtualization (VCTA-DCV)

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.experteach-training.com/go/VCTS

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training		Prices, excl. of V.A.T.
Classes in Germany	4 Days	€ 2,595
Classes in Austria	4 Days	€ 2,595
Online Training	4 Days	€ 2,595
Date/course venue	Course language German 	
10/06-13/06/25  München	27/10-30/10/25  Hamburg	
10/06-13/06/25  Online	27/10-30/10/25  Online	
11/08-14/08/25  Frankfurt	09/12-12/12/25  Online	
11/08-14/08/25  Online	09/12-12/12/25  Wien	

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Table of Contents

VMware Data Center Virtualization: Core Technical Skills

1 Course Introduction	Recognize the benefits of installing VMware Tools™	Deploy a virtual appliance from an OVF template
Introductions and course logistics	Install VMware Tools into a guest operating system	Perform a hot and cold migrations of VMs
Course objectives	Upgrade VMware Tools and VM hardware compatibility	Identify requirements for using VMware vSphere® Storage vMotion®
2 Virtualization and vSphere Concepts	5 vSphere Networking	
Describe how virtual machines (VMs) work	Describe virtual networking	Perform a vSphere Storage vMotion migration
Recognize the purpose of a hypervisor	Recognize ways that virtual switches connect VMs and ESXi hosts to the network	Identify use cases for VM snapshots
Describe how VMs share resources in a virtualized environment	View components and properties of a vSphere standard switch configuration	Create and manage snapshots of a virtual machine
Recognize the components of an SDDC	View a vSphere distributed switch configuration in vSphere Client	8 Resource Monitoring
Describe the relationship between vSphere, the SDDC, and cloud computing	Recognize when and how to use the settings for the security networking policy	Recognize the purpose of each type of VM resource control
Recognize the functions of the components in a vSphere environment	Recognize when and how to use the settings for the traffic shaping networking policy	Configure the resource allocation settings of a VM
Access and view vSphere graphical user interfaces	Describe how the NIC teaming and failover policy helps maintain network connectivity	Observe the behavior of virtual machines with different share values
Identify VMware solutions that integrate with vSphere in the SDDC	Perform basic checks to diagnose VM connectivity issues	Manage and acknowledge vSphere alarms
3 Navigating the vSphere Client	6 vSphere Storage	Use performance charts to monitor VM CPU and memory usage
View and organize the inventory objects managed by vCenter Server	Describe the function of a datastore	Monitor tasks and events in vSphere Client
Add and assign vSphere licenses	Recognize types of vSphere datastores	9 vSphere Clusters
Change the log level of vCenter Server	View datastore information in vSphere Client	View information about the services that a vSphere cluster offers
Edit the startup policy of ESXi services	Monitor datastore usage in vSphere Client	Recognize how vSphere HA responds to different types of failures
Describe how vCenter Server roles and permissions work	7 Virtual Machine Management	Monitor vSphere HA during a host failure
Add permissions to virtual machines	Recognize the benefits of using VM templates	Describe how vSphere DRS works
4 Lifecycle of Virtual Machines	Create and update a VM template	Interpret DRS scores given to VMs
Add and remove VM virtual hardware components	Deploy a VM from an existing template	Recognize how to apply the appropriate vSphere DRS automation and migration threshold levels
Identify the purpose of different VM files	Clone a virtual machine	Describe how vSphere Fault Tolerance works
Configure VM settings	Recognize how to use guest OS customization specifications	Recognize how Enhanced vMotion Compatibility works
Create and delete virtual machines	Deploy VMs from a content library	

