



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**Sie erreichen uns unter**

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CODE:	LÄNGE:	PREIS:
VMW_VCDICM103	40 Hours (5 Tage)	€3,440.00

## Description

In this five-day course, you focus on installing, configuring, and managing VMware Cloud Director® 10.3. You learn about workload provisioning, the creation of organizations, virtual data centers (VDCs), catalog services that include predefined virtual machines, and on-demand VMware NSX-T™ Data Center networks.

This course also covers interfacing VMware Cloud Director with other systems and the integration and use of VMware vRealize® Orchestrator™ for VMware Cloud Director. You learn about different networks that a system administrator and an organization administrator can configure and use with virtual machines (VMs). This course also discusses how to monitor various VMware Cloud Director objects using VMware vRealize® Operations™.

## Lernziel

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

- • Deploy VMware Cloud Director
- • Manage VMware Cloud Director to meet the service provider needs
- • Create and manage VMware Cloud Director organizations and vApps to fulfill business needs
- • Create and manage VMware Cloud Director catalogs
- • Transfer virtual machine workloads from VMware vSphere® into and out of VMware Cloud Director
- • Configure networking for organizations and vApps with the help of VMware NSX-T™ Data Center
- • Managing resources from the VMware Cloud Director console and using VMware vRealize® Operations Manager™
- • Enabling VM and Named Disk Encryption
- • Creating VM sizing and placement policies
- • Understand vApps and VM operations and actions

## Zielgruppe

Cloud architects, systems engineers, datacenter administrators, and cloud administrators with experience in managed services or managing a service provider environment

## Voraussetzungen

Completion of the following courses and equivalent knowledge is required:

- • VMware vSphere: Install, Configure, Manage or equivalent knowledge

The following experience is helpful:

- • Working at the Linux command line
- • Substantial knowledge of general networking concepts

## Inhalt

Course Modules 1 Course Introduction

- • Introductions and course logistics

- • Course objectives

## 2 Software-Defined Data Center and VMware Validated Design

- • Define software-defined data center (SDDC)
- • Discuss VMware offerings for cloud-based services
- • Discuss the deployment options for VMware Cloud Director
- • Discuss VMware Validated Design

™

- • Recognize the design considerations when creating a cloud environment on the SDDC using VMware Cloud Foundation

## ™ 3 VMware Cloud Director Deployment and Configuration

- • Discuss the deployment options for VMware Cloud Director
- • Explain the two-stage deployment of VMware Cloud Director cells
- • Discuss failover mechanisms (automatic and manual) with VMware Cloud Director cells
- • Define switchover, promote, and fencing options of the VMware Cloud Director appliance
- • Understand the VMware Cloud Director appliance enhancements

## 4 VMware Cloud Director Provider Configuration

- • Describe how the compute resources are provided to VMware Cloud Director
- • Describe how storage is provided to VMware Cloud Director
- • Configure and manage storage for Virtual Datacenters (VDCs)
- • Briefly discuss network pools, external networks, and Tier-0 Gateways
- • Showcase VMware Cloud Director integration with vCenter Server

## ® and NSX-T Data Center

- • Describe VMware Cloud Director organizations
- • Understand organization policies
- • Explain how to access an organization using various portals
- • Understand organization VDC
- • Discuss what is Linked Clone and Fast Provisioning
- • Understand the use cases of Allocation Models

## 5 VMware Cloud Director User, Roles and Quota Management

- • Discuss user-bundle
- • Describe role-based access
- • Explain custom roles and rights
- • Describe and configure LDAP integration with Active Directory
- • Discuss OIDC authentication methods
- • Describe SAML identity provider

## 6 VMware Cloud Director Virtual Machines and vApps

- • Understand standalone VMs
- • Discuss the VM managing operations
- • Explain VM properties
- • Discuss deployment methods of vApps
- • Discuss the vApp managing operations
- • Discuss the vApp lease policies
- • Understand the vApps and VM actions
- • Explain vApp and VM badges

## 7 VMware Cloud Director Content Libraries

- • Explain the purpose of catalogs and how to create a catalog organization
- • Define catalog management and sharing catalogs inside and between organizations
- • Explain medias in VMware Cloud Director and its usage
- • Discuss vApp templates
- • Understand vApp template operations
- • Describe the purpose and usage of Open Virtualization Format (OVF)
- • Discuss organization VDC templates

## 8 VMware Cloud Director Networking

- • Discuss organization VDC networks
- • List the types of organization VDC networks
- • Describe the edge gateway services
- • Explore the services offered by the edge gateway

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- Discuss sub-allocation IP pool and its use cases
- • Discuss DHCP, NAT, load balancer, and firewall services on the edge gateway
- • Discuss SNAT, DNAT, NO SNAT, and NO DNAT use cases
- • Discuss vApp networks
- • List the various types of vApp networks
- • Discuss routed, isolated, and direct vApp networks

## 9 VMware Cloud Director Storage and Compute

- • Describe named disks and shared named disks
- • Demonstrate how to attach and detach a named disk and a shared named disk
- • Describe methods of sharing the named disk
- • Discuss the implications of deleting VMs that have an attached named disk
- • Discuss how VMware Cloud Director VMs and disks are encrypted
- • Explain the storage policy capabilities
- • Demonstrate how VM sizing and placement policies are published
- • Discuss vCenter server and VMware Cloud Director IOPS storage policies usage
- • Discuss how to enable and use the storage IOPS limitation in VMware Cloud Director
- • Describe the storage policy supported entities

## 10 Extensibility and UI Additional Features

- • Explain custom advisories, global search, guided tours, data exporter, keyboard shortcuts, and quick search
- • Understand vcd-cli supported commands
- • Discuss various vcd-cli tools

## 11 VMware Cloud Director Resource Monitoring

- • Identify log locations for VMware Cloud Director
- • Manage vSphere and cloud resources from VMware Cloud Director
- • Understand monitoring of objects from VMware Cloud Director portals
- • Briefly introduce vRealize Operations Manager
- • Integrate VMware Cloud Director with vRealize Operations Manager
- • Configure VMware Cloud Director Management Pack
- • Understand dashboard, metrics, alerts, alert definition, and reports

## Kurstermine

Auf Anfrage. Bitte [kontaktieren Sie uns](#)

## Zusätzliche Information

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