

# VMware Cloud Director: Install, Configure, Manage V10.x



## VMware Cloud Director: Install, Configure, Manage V10.x

Dieser fünftägige Kurs bietet eine umfassende Schulung zur Installation, Konfiguration und Verwaltung einer VMware Cloud Director-Umgebung vor Ort. Dieser Kurs deckt die wichtigsten Merkmale und Funktionen von VMware Cloud Director 10.4.0 und VMware Cloud Director 10.4.1 ab. Sie erfahren etwas über die Bereitstellung von Workloads, die Erstellung von Organisationen, virtuellen Rechenzentren (VDCs) und Katalogservices, die vordefinierte virtuelle Maschinen enthalten. Sie lernen verschiedene Netzwerke kennen, die ein Systemadministrator und ein Organisationsadministrator konfigurieren und mit virtuellen Maschinen und vApps verwenden können.

### Kursinhalt

- Course Introduction
- Software-Defined Data Center and VMware Validated Solution
- VMware Cloud Director Deployment and Configuration
- VMware Cloud Director Provider Configuration
- VMware Cloud Director User, Roles, and Quota Management
- VMware Cloud Director Virtual Machines and vApps
- VMware Cloud Director Content Libraries
- VMware Cloud Director Networking
- Edge Gateway Services and Additional Networking Features
- VMware Cloud Director Storage and Compute
- Additional Features of VMware Cloud Director
- VMware Cloud Director Integrated Solutions

**E-Book** Sie erhalten englischsprachige Unterlagen von VMware als E-Book.

### Zielgruppe

- Cloud Architects
- Systems Engineers
- Data Center Administrators
- Cloud Administrators with experience in managed services or managing a service provider environment.

### Voraussetzungen

Dieser Kurs setzt den Abschluss des folgenden Kurses und gleichwertige Kenntnisse voraus:

- VMware vSphere: Install, Configure, Manage (V8) oder gleichwertige Kenntnisse

Die folgenden Erfahrungen sind hilfreich:

- Arbeiten an der Linux-Befehlszeile
- Erhebliche Kenntnisse allgemeiner Netzwerkkonzepte

### Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.experteach.de/go/VMCD](http://www.experteach.de/go/VMCD)

### Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

### Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

### Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training	Preise zzgl. MwSt.
Termine in Deutschland	5 Tage € 3.295,-
Online Training	5 Tage € 3.295,-
Termine auf Anfrage	

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## VMware Cloud Director: Install, Configure, Manage V10.x

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

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

- Discuss VMware Validated Solution
- Define software-defined data center (SDDC)
- Discuss multitenancy with VMware Cloud Director
- Recognize the design considerations when creating a cloud environment on the SDDC using VMware Cloud Foundation™

### 3 VMware Cloud Director Deployment and Configuration

- Describe the VMware Cloud Director cell and server group
- Explain the two-stage deployment of VMware Cloud Director cells
- Demonstrate backing up and restoring a VMware Cloud Director appliance
- Discuss VMware Cloud Director Appliance Clustering
- Discuss failover mechanisms (automatic and manual) with VMware Cloud Director cells
- Define the switchover, and promote options of the VMware Cloud Director appliance

### 4 VMware Cloud Director Provider Configuration

- Showcase VMware Cloud Director integration with VMware vCenter Server® and VMware NSX
- 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 Data Centers (VDCs)
- Discuss network pools, external networks, and provider gateways
- Describe VMware Cloud Director organizations
- Understand organization policies
- Explain how to access an organization using various portals
- Understand the use cases of Allocation Models
- Understand organization VDC
- Discuss Linked Clone and Fast Provisioning

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

- Discuss rights bundle
- Describe role-based access
- Explain custom roles and rights
- Describe and configure LDAP integration with Active Directory
- Discuss OIDC integration with VMware Cloud Director
- Discuss configuring the SAML identity provider in VMware Cloud Director
- Discuss API Access Token and Service Accounts
- Explain Quota Management and its use cases

### 6 VMware Cloud Director Virtual Machines and vApps

- Understand standalone VMs
- Discuss deployment methods of virtual machines
- Explain VM properties
- Discuss deployment methods of vApps
- Discuss the vApp lease policies
- Understand the vApps and VM actions
- Explain vApp and VM badges
- Demonstrate auto scaling groups

### 7 VMware Cloud Director Content Libraries

- Explain the purpose of catalogs and how to create a catalog
- Discuss catalog management and sharing catalogs
- Understand media files in VMware Cloud Director and their usage
- Discuss vApp templates
- Understand vApp template operations
- Discuss organization VDC templates
- Discuss Fast Cross vCenter Server vApp Instantiation Utilizing Shared Storage

### 8 VMware Cloud Director Networking

- Discuss provider gateway, external networks
- Describe edge gateway
- Discuss organization VDC networks
- List the types of organization VDC networks
- Discuss vApp networks
- List the various types of vApp networks

### 9 Edge Gateway Services and Additional Networking Features

- List the edge gateway services
- Discuss DHCP, NAT, and firewall services on the edge gateway
- Discuss SNAT, DNAT, NO SNAT, and NO DNAT use cases

- Explain routing and distributed firewall services
- Understand IP space and its types
- Showcase VMware Cloud Director integration with VMware NSX Advanced Load Balancer
- Describe the segment profile template

### 10 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
- Discuss how VMware Cloud Director VMs and disks are encrypted
- 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
- Demonstrate VM sizing and placement in VMware Cloud Director
- Discuss vGPU implementation in VMware Cloud Director

### 11 Additional Features of VMware Cloud Director

- Describe the usage and functionality of advisories
- Demonstrate quick search
- Discuss guided tours and use cases
- Discuss Transfer Server Storage Monitoring
- Demonstrate the VMware Cloud Director branding themes
- Explain the Solution Add-Ons feature in VMware Cloud Director

### 12 VMware Cloud Director Integrated Solutions

- Briefly discuss VMware Cloud Director integration with the following solutions:
  - o VMware Cloud Director Availability
  - o VMware Cloud Director App Launchpad
  - o VMware Cloud Director Container Service Extension
  - o VMware Cloud Director Object Storage Extension
  - o VMware vCloud Usage Meter
  - o VMware Aria Operations for Logs
  - o VMware Aria Operations
  - o VMware Chargeback
  - o VMware Aria Automation
  - o VMware Cloud Director Extension for Data Solutions
  - o VMware Cloud Provider Lifecycle Manager
  - o Terraform
  - o VMware Workspace ONE

