

# VMware Cloud Director: Advanced Workshop

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Dieser fünftägige, praxisorientierte Kurs vermittelt Ihnen die fortgeschrittenen Kenntnisse, Fähigkeiten und Tools, um eine auf VMware Cloud Director™ basierende Cloud-Lösung zu entwerfen und zu nutzen. Neben einer fortschrittlichen Cloud-Architektur lernen Sie die Integration von VMware Cloud Director mit den Produkten VMware Cloud Director Availability™, VMware vRealize® Orchestrator™, VMware vRealize® Operations™ (einschließlich der Tenant App), VMware NSX-T® Data Center und VMware NSX® Advanced Load Balancer™ (Avi Networks) kennen.

Dieser Kurs behandelt die Migration von VMware NSX® for vSphere® (NSX-V) zu VMware NSX-T® Data Center in einer VMware Cloud Director-Umgebung. Sie erfahren, wie der NSX Advanced Load Balancer in einer Service-Provider-Umgebung eingesetzt und integriert werden kann und wie Sie die Load Balancing-Services mit VMware NSX-T Data Center konfigurieren. Neben dem fortgeschrittenen Know-how der vRealize Operations Tenant App und der Cloud Availability wird auch die Erweiterbarkeit und Orchestrierung von Workflows in Cloud Director behandelt. Zu allen im Kurs behandelten Themen werden die Teilnehmer intensive praktische Übungen absolvieren, um einen umfassenden Einblick in alle Produkte zu erhalten.

### Kursinhalt

- Course Introduction
- Advanced VMware Cloud Director Architecture
- NSX for vSphere Versus NSX-T Data Center and Migration
- NSX Advanced Load Balancer
- VMware Cloud Director Availability
- vRealize Operations Manager and Tenant App
- VMware Cloud Director Orchestration

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

### Zielgruppe

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

### Voraussetzungen

Der Abschluss der folgenden Kurse oder gleichwertige Kenntnisse sind erforderlich:

- VMware NSX-T Data Center: Install, Configure, Manage
- VMware vRealize Automation: Orchestration and Extensibility
- VMware Cloud Director: Install, Configure, Manage

### Dieser Kurs im Web



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

### 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 der Schweiz | 5 Tage             |
| Online Training        | 5 Tage CHF 4.175,- |
| Termine auf Anfrage    |                    |

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## VMware Cloud Director: Advanced Workshop

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 Advanced VMware Cloud Director Architecture

- Explain the basic concepts and terminologies in a VMware Cloud Director environment
- Describe the basic architecture of a VMware Cloud Director environment
- Follow a proven process to design and deploy a cloud solution
- Gather and analyze business and application requirements
- Document design requirements, constraints, assumptions, and risks
- Use a systematic method to evaluate and document design decisions
- Explain the differences between conceptual, logical, and physical designs
- Describe the concepts of Provider SLAs
- Discuss the advantages of standardized and flexible cloud platforms
- Explain how you can use a building-block design approach with VMware products to architect a flexible but standardized cloud environment
- Impact on Monetization of service definitions
- Discuss the design and implications of a vSphere Design for the Cloud Platform
- Explain the use of Single vs. Stretched vs. Multi-Site deployments
- Design Cloud Director Federation
- Explain use cases for CPOM

### 3 NSX for vSphere Versus NSX-T Data Center and Migration

- Describe the NSX Management cluster architecture, components, and communication channels
- Identify the workflows involved in configuring the NSX Management cluster
- Validate and troubleshoot the NSX Management cluster formation
- Explain basic concepts of NSX-V and NSX-T design with VMware Cloud Director
- Discuss the use cases for Edge Services
- Discuss the use cases for Distributed Network

### Services

- Discuss the features available in NSX-V and NSX-T
- Explain the integration of external networks (such as MPLS, DirectConnect)
- Explain the integration of 3rd party network services (NON-VMware Edge Services, WAF)
- Discuss different migration scenarios
- Explain pre-requisites for migration from NSX-V to NSX-T

### 4 NSX Advanced Load Balancer

- Explain basic concepts of NSX Advanced Load Balancer
- Explain the integration of NSX Advanced Load Balancer with VMware Cloud Director
- Discuss the use cases for NSX Advanced Load Balancer
- Explain the load-balancing service offered by an NSX-T edge gateway

### 5 VMware Cloud Director Availability

- Describe the architecture of VMware Cloud Director Availability
- Explain the prerequisites of VMware Cloud Director Availability
- Discuss the implementation of VMware Cloud Director Availability
- Discuss the use cases for migration with VMware Cloud Director Availability
- Explain setup of data seeds for VMware Cloud Director Availability
- Discuss the use cases for Disaster Recover as a Service with VMware Cloud Director Availability
- Explain connectivity for VMware Cloud Director Availability to Cloud use cases
- Understand requirements for VMware Cloud Director Availability OnPrem to Cloud failover and failback

### 6 vRealize Operations Manager and Tenant App

- Describe the architecture of vRealize Operations in a Service Provider
- Describe the architecture of vRealize Operations Tenant App
- Explain the use cases for vRealize Operations Tenant App

- Explain use cases for vRealize Operations Manager in Service Provider environments
- Discuss vRealize Operations Manager Management Packs
- Explain advanced troubleshooting in service provider environments with vRealize Operations Manager
- Discuss architecture and integration of vRealize Operations Manager Tenant App
- Explain connectivity of the vRealize Operations Manager Tenant App
- Discuss user and role management of the vRealize Operations Manager Tenant App
- Describe billing policy definition in the vRealize Operations Manager Tenant App

### 7 VMware Cloud Director Orchestration

- Explain VMware Cloud Director orchestration
- Explain vRealize Orchestrator use cases
- Describe the architecture of vRealize Orchestrator in a Service Provider environment
- Explain use cases for VMware Cloud Director blocking tasks
- Explain use cases for XaaS Integration
- Design workflows, objects
- Discuss UI customization for Service Provider and Tenants
- Explain integration of custom elements in VMware Cloud Director
- Explain use cases for Extensibility SDK

