

VMware vCloud Director: Install, Configure, Manage V9

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In this five-day course, you will focus on installing, configuring, and managing VMware vCloud Director® 9.x for service providers. You will learn about self-service provisioning, the creation of organizations, virtual data centers (VDCs), and catalog services that include predefined virtual machines, and on-demand VMware NSX® networks, as well as the integrated use of VMware vSAN™. This course also covers interfacing vCloud Director with other systems through the use of various APIs and the integration and use of VMware vCloud® Availability for vCloud Director® and VMware vCloud® Director Extender™.

Kursinhalt

- Course Introduction
- Software-Defined Data Center
- vCloud Director Concepts
- Organization VDCs
- Virtual Machines and vApps
- Catalogs
- Users and Role-Based Access
- Advanced Networking
- Resource Management and Monitoring
- Customer Onboarding and Hybrid Cloud
- vCloud Availability for vCloud Director
- vCloud Director Installation
- vCloud Director API and Metadata

E-Book Jeder Teilnehmer erhält englischsprachige Unterlagen von VMware als E-Book.

Zielgruppe

Cloud architects, systems engineers, data center administrators, and cloud administrators with experience in a service provider or managed services environment.

Voraussetzungen

This course requires completion of the following course:

- VMware vSphere: Install, Configure, Manage [V6.x] or equivalent knowledge

Completion of the following eLearning courses is recommended:

- VMware vCloud Director: Fundamentals [V8.x]
- VMware Virtual SAN: Fundamentals [V6.x]
- VMware Network Virtualization Fundamentals

Substantial knowledge of TCP/IP networking is helpful.

Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: www.expertech.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.	
Classroom Training	5 Tage	€ 3.495,-
Termine auf Anfrage		

Stand 19.03.2019



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VMware vCloud Director: Install, Configure, Manage V9

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Software-Defined Data Center

- Describe the evolution of the software-defined data center
- Cloud computing overview
- Characteristics of cloud services
- Categories of cloud computing
- Describe the VMware product stack for the software-defined data center

3 vCloud Director Concepts

- Explain vCloud Director concepts
- Configure and manage provider VDCs
- Identify storage, compute, and network resources for vCloud Director
- Create and manage organizations
- vCloud Director organization VDCs

4 Organization VDCs

- Organization VDC allocation models
- Recognize resource allocations for an organization
- Describe the network types available in vCloud Director (external, organization, and vApp)
- Discuss the organization and vApp network traffic choices
- Examine the function of network pools

5 Virtual Machines and vApps

- Discuss the use of virtual machines
- Design and manage vApps

6 Catalogs

- Create and manage catalogs
- Manage vApp templates

7 Users and Role-Based Access

- Describe role-based access
- Create custom security roles
- Describe and configure LDAP integration with Active Directory
- Describe single sign-on
- Enable a SAML identity provider
- Describe two-factor authentication

8 Advanced Networking

- Describe the use and placement of NSX edge services gateways in relation to vCloud Director
- Review routing with the distributed logical router and edge services gateways in combination with vCloud Director
- Firewall management in vCloud Director with edge services gateways and the distributed firewall

9 Resource Management and Monitoring

- Manage provider and organization VDCs
- Manage VMware vCenter Server® instances and VMware ESXi™ hosts
- Manage vSphere datastores
- Configure and manage resource pools at the vSphere level
- Monitor usage information at provider and organization VDCs
- Analyze vCloud Director logs
- Monitor vCloud Director environments with VMware vRealize® Operations Manager™ and VMware vRealize® Log Insight™
- Use VMware vRealize® Business™ for cost management

10 Customer Onboarding and Hybrid Cloud

- Tenant layer 2 VPN access
- Tenant SSL VPN access
- Review options for external connectivity with VPN
- Import existing infrastructure managed by vCenter Server into vCloud Director
- Use vCloud Director Extender for hybrid cloud setup and onboarding

11 vCloud Availability for vCloud Director

- Architecture for vCloud Availability for vCloud Director
- Prerequisites of vCloud Availability for vCloud Director
- Implementation of vCloud Availability for vCloud Director

12 vCloud Director Installation

- vCloud Director network, hardware, and software requirements

- vCloud Director setup overview
- vCloud Director cell design
- Install and configure the vCloud Director database (Microsoft SQL Server, Oracle database, or PostgreSQL)
- Create SSL certificates
- Configure VMware NSX® Manager™ for a new vCloud Director installation
- Install and configure an AMQP broker
- Download and install the VMware public key
- Use and set up vCloud Director federation

13 vCloud Director API and Metadata

- Describe tools to access the API of vCloud Director API
- Use of REST API in VMware vRealize® Orchestrator™
- Describe access to vCloud Director using VMware PowerCLI™



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