

VMware Cloud Director: Deploy, Configure, Manage [V10.5]

Course Duration: 40 Hours

Course Code: VCDKM10.5

1. Course Overview

This five-day, hands-on training course provides you with the skills required to deploy, configure, and administer VMware Cloud Director® 10.5 for service providers. You will learn how to create and manage organizations, virtual data centers, catalogs, and workloads for tenants. The course also covers user and group management, networking, resource allocation, and integration with other VMware solutions to deliver a complete cloud service solution.

2. What You'll Learn?

By the end of this course, you will be able to:

- Deploy and configure VMware Cloud Director 10.5.
- Create and manage organizations and virtual data centers.
- Set up and manage networking for tenants.
- Configure and manage VMware NSX® integration with VMware Cloud Director.
- Manage resources, storage, and catalogs.
- Implement and manage vApps and workloads.
- Configure and manage tenant access and security.
- Integrate with other VMware products for hybrid cloud services.

3. Target Audience

This course is recommended for:

- Cloud administrators
- System engineers
- Data center administrators
- Service provider partners
- Technical professionals responsible for deploying and managing VMware Cloud Director solutions

4. Pre-Requisites

Before taking this course, learners should have:

- Knowledge of virtualization concepts and vSphere administration
- Completion of the **VMware vSphere: Install, Configure, Manage [V7]** course or equivalent experience
- Basic understanding of networking, storage, and cloud computing concepts

5. Course Content

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives

Module 2: VMware Cloud Director Architecture and Deployment

- VMware Cloud Director architecture
- Deployment prerequisites
- Installation and configuration

Module 3: Managing VMware Cloud Director System Settings

- System settings and configuration
- Licensing and certificates
- Provider Virtual Data Center (PVDC) configuration

Module 4: Managing Organizations and Virtual Data Centers

- Creating and managing organizations
- Configuring organization VDCs
- Resource allocation models

Module 5: Networking in VMware Cloud Director

- VMware Cloud Director networking concepts
- Organization VDC networks and edge gateways
- NSX integration and network services

Module 6: vApps and Catalogs

- Creating and managing vApps
- Using and publishing catalogs
- Templates and media files

Module 7: Resource and Security Management

- Managing storage and compute resources
- Role-based access control and user management
- Security policies and permissions

Module 8: Monitoring and Reporting

- Monitoring VMware Cloud Director environments
- Usage metering and chargeback integration
- Logs and reporting

Module 9: Integration with Other VMware Solutions

- vSphere and vSAN integration
- NSX-T Data Center integration
- VMware Cloud Director Availability overview

Module 10: Extensibility and Advanced Configurations

- API and automation with VMware Cloud Director
- Extensibility using VMware solutions
- Advanced system configurations

