

VMware vCloud Director Tenant Operations [V10.x]

Duration 5 Days

COURSE DESCRIPTION

In this five-day course, you focus on configuring and managing VMware vCloud Director® for Service Providers 10.x Tenant Operations. You learn about self-service provisioning, the creation of virtual datacenter networks, vApp and its networks, catalog services that include predefined virtual machines (VMs), and on-demand VMware NSX® networks.

This course covers integrating VMware vCloud Director® with VMware vRealize® Orchestrator™ and the use of VMware vCloud® Availability. You learn how to manage multisite, cross-VDC networking for vCloud Director. You also learn how to use Central Point of Management (CPOM) to define a software-defined datacenter (SDDC) for tenant users of vCloud Director. This course also discusses how to monitor various vCloud Director objects using VMware vRealize® Operations Manager™.

This course is also available in an On Demand format. For more information, select this link: [VMware vCloud Director: Tenant Operations \[V10.x\] - On Demand](#).

COURSE OBJECTIVES

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

- Understand role-based access control and custom roles
- Manage vCloud Director organizations' VDC and vApps
- Manage VMs using sizing and placement policies
- Create and share vCloud Director catalogs and vApp templates
- Describe and use CPOM to view dedicated VMware vSphere® datacenters in the tenant portal
- Configure networking for organizations and vApps with the help of NSX
- Configure the integration with vCloud Availability
- Transfer VM workloads from vSphere into and out of vCloud Director sites and between vCloud Director sites for customer onboarding
- Manage multisite deployment as a tenant administrator
- Know how to integrate vRealize Orchestrator and use the existing workflows
- Monitor vCloud Director using VMware vRealize® Operations Manager™
- Know the new features of vCloud Director 10.x tenant operations

COURSE OUTLINE

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Introduction to vCloud Director, Service Provider, and Tenant Portal

- Explain vCloud Director concepts
- Outline the preconfigured tasks by the service provider
- Describe and understand the tenant portal use cases

3 User Access Control

- Discuss users and groups
- Understand the custom roles
- List the user roles
- Discuss role-based access control (RBAC)

4 Working with Virtual Machines

- Create a standalone VM
- Perform VM operations
- Manage VM properties

5 Working with vApps

- Create VMs in a vApp
- Manage catalogs
- Share catalogs
- Discuss vApp templates

6 Organization VDC Networking

- Understand organization VDC networks
- List the types of organization VDC networks
- Describe the edge gateway services
- List the enhanced NSX-T supported features from the tenant portal

7 vApp Networking

- Create and manage vApp networks
- List the various types of vApp networks
- Discuss vApp fencing
- Discuss routed, isolated, and direct vApp networks

8 vCloud Availability

- Discuss vCloud Availability and its integration with vCloud Director
- Migrate VMs from cloud to cloud
- Migrate VMs from on-premises to cloud

9 vCloud Extensibility

- Integrate vRealize Orchestrator with vCloud Director
- Work with swagger, vCloud API, vCD CLI, and VMware PowerCLI™

10 Multisite Deployment and CPOM

- Discuss multisite deployments
- Configure cross VDC networking
- Define SDDC
- Familiarize with SDDC and SDDC proxy
- Use enhanced CPOM through the tenant portal

11 Monitoring and Managing vCloud Director Resources

- Monitor resources from the tenant portal
- Monitor vCloud Director objects with vRealize Operations Manager
- Understand dashboards, metrics, alerts, and reports

12 vCloud Director 10.x Tenant New Feature

- Describe name disk feature
- Describe VM sizing and VM placement policies
- Describe object storage extension

WHO SHOULD ATTEND

Experienced service provider customers, system engineers, data center administrators, and tenant administrators with experience in a managed services environment.

PREREQUISITES

This course requires completion of one of the following courses:

- VMware vSphere: Install, Configure, Manage
- VMware vCloud Director: Install, Configure, Manage