VMware vCloud Director: Tenant Operations

Course Overview
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™.

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

Target Audience
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

Course Delivery Options

- Classroom
- Live Online
- Onsite
- On Demand

Product Alignment

- VMware vSphere® 6.7 U2
- VMware vRealize Orchestrator 7.6
- VMware NSX® Data Center for vSphere® 6.46
- VMware NSX-T™ Data Center 2.4
- VMware vRealize Operations Manager 7.5
- VMware vCloud Availability 3.5
Course Modules

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

Contact
If you have questions or need help registering for this course, click here.