

Course Outline

VMware vCloud Director: Tenant Operations

General 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™.

Outcomes

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



 **1300 86 87246**
1300 TO TRAIN

Audience Profile

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 Details

Course code: VMWVCTO

Duration: 5 days

Starting time: 9am

Finishing time: 4.30pm

Booking guidelines

Contact our learning consultants on 1300 86 87246 and we will assist you with your booking.

**For more information about any of our training courses, contact our Learning Consultants
on 1300 86 87246 or email us on info@advancedtraining.com.au**

Visit us on the web at www.advancedtraining.com.au

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