

## VMware vCloud Automation Center: Install, Configure, Manage [V6.0]

**Duration: 5 Days**

### Overview:

This training course focuses on installing, configuring, and managing VMware vCloud® Automation Center™. This course covers the configuration and use of the vCloud Automation Center platform, including self-service provisioning and the creation of multivendor cloud services.

- Objectives:**
- Understand the vCloud Automation Center architecture and use case in today's multivendor cloud environments
  - Install and configure vCloud Automation Center 6.0
  - Deploy Distributed Execution Managers and agents for vCloud Automation Center connectivity
  - Configure endpoints to support compute fabric connectivity
  - Manage vCloud Automation Center 6.0 entities on VMware® hardware, third-party hardware, and cloud infrastructures
  - Configure vCloud Automation Center infrastructure services
  - Configure and manage tenants and blueprints
  - Configure and manage a service catalog
  - Configure and manage role-based access control
  - Request and manage machines using the user portal
  - Understand and configure vCloud Automation Center workflows
  - Integrate VMware® vCenter™ Orchestrator™ with vCloud Automation Center
  - Automate application provisioning with VMware vCloud® Application Director™
  - Manage and monitor machines and resource reclamation
  - Manage cost reporting with VMware® IT Business Management Suite™

**Intended Audience:** Experienced system administrators, cloud administrators, system integrators, and operational developers

**Prerequisites:**

- VMware vSphere: Install, Configure, Manage [V5.x]

Or

- Equivalent knowledge

### Course Outline:

#### 1. Course Introduction

- Introductions and course logistics
- Course outline
- Course goals
- Course objectives

#### 2. Architecture and Components

- Identify the benefits of the software-defined data center
- Explore the architecture for deploying vCloud Automation Center as a cloud management platform for a multivendor hybrid cloud
- Identify the components of vCloud Automation Center
- Identify vCloud Automation Center design options
- Define network ports and protocols required for communication Between vCloud Automation Center components

- Define the user interface elements of vCloud Automation Center
- Explain how vCloud Automation Center integrates with other VMware products

### 3. Installation

- Explain the vCloud Automation Center installation prerequisites
- Identify the vCloud Automation Center appliances and component installers
- Define the vCloud Automation Center installation procedure

### 4. Configuring IaaS

- Define relationships between vCloud Automation Center entities
- Identify and configure vCloud Automation Center endpoints
- Identify how vCloud Automation Center discovers compute resources
- Define the vCloud Automation Center roles
- Identify fabric groups, business groups, and reservations
- Create tenants
- Create and manage reservations for compute resources

### 5. Blueprints and Catalog Services

- Create and manage single-machine and multimachine blueprints
- Manage service catalog items with entitlements and approval policies

### 6. Provisioning Services

- Provision new machines and services
- Manage self-provisioned machines
- Create approval policies
- Identify approval policy levels and approval phases
- Use custom properties
- Use build profiles
- Use the property dictionary

### 7. Extensibility

- Identify extensibility and customization options
- Use vCloud Automation Designer to edit an existing workflow
- Use vCenter Orchestrator
- Configure plug-ins for external integration
- Use Advanced Service Designer

### 8. Monitoring and Reclamation

- Identify and verify inactive and abandoned resources
- Manage machine leases
- Manage machine reclamation

### 9. Operational Management

- Configure VMware® IT Business Management Suite™ Standard Edition
- Report financial data for a cloud infrastructure
- Troubleshoot common ITBM problems

## 10. Managing Applications

- Define the role of vCloud Application Director
- Identify the vCloud Application Director infrastructure components and requirements
- Deploy and manage vCloud Application Director
- Configure application provisioning
- Create, manage, and update applications
- Manage catalog services