

VMware vCloud Automation Center: Install, Configure, Manage

Delivery Methods

- Instructor-led training
- Live-online
- [Onsite training](#)

Course Duration

- Five (5) days of instructor-led classroom training
- 60% lecture, 40% hands-on lab

Target Audience

Experienced system administrators, cloud administrators, system integrators, and operational developers

Course Suitability

- | | |
|---|--|
| <input checked="" type="checkbox"/> Administrator | <input type="checkbox"/> Expert |
| <input checked="" type="checkbox"/> Engineer | <input type="checkbox"/> Advanced |
| <input type="checkbox"/> Architect | <input checked="" type="checkbox"/> Professional |
| | <input type="checkbox"/> Fundamentals |

Prerequisites

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

Certifications

This course helps to prepare you for the following certification:

- [VCP-Cloud](#)
- [VCAP-CIA](#)

For more information, go to www.vmware.com/certification

Pricing

Contact your VMware representative or a VMware® Authorized Training Center™ for pricing information.

More Information

Courses are conveniently scheduled around the world. Go to www.vmware.com/education to find the class that is right for you.



Course 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.

Course Objectives

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

Course Modules

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



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