VMware vCloud Director: Install, Configure, Manage

Delivery Methods

- Instructor-led training
- Live-online
- Onsite training

Course Duration

- Three days of instructor-led training
- 40% lecture, 60% hands-on lab

Target Audience

- Consultants, systems engineers, datacenter administrators, and cloud administrators

Course Suitability

☒ Administrator	☐ Expert
☒ Engineer	☐ Advanced
☐ Architect	☒ Professional
	☐ Fundamentals

Prerequisites

- VMware vSphere: Install, Configure, Manage [V5.0]
- VMware vCloud Director: Essentials/Fundamentals [V5.1]
- Solid understanding of TCP/IP networking

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 http://www.vmware.com/education to find the class that is right for you.

Onsite training is also available for customers who prefer to bring a VMware Certified Instructor to their own facilities. For more information about onsite classes, including facility requirements, go to http://www.vmware.com/education.

Course Overview

This course demonstrates to technical personnel how to deploy VMware® vCloud Director® for a small private cloud environment and manage the ongoing operation of the deployment. The course focuses on the private cloud in an engineering or quality assurance solution. The course covers all of the fundamentals needed to install, configure, and manage any small private cloud with vCloud Director. This course is the prerequisite for other courses that cover more advanced vCloud Director configurations in enterprise deployments.

Course Objectives

After completing this course, you should understand the features and operation of vCloud Director and be able to do the following:

- Deploy vCloud Director.
- Manage vCloud Director to satisfy small private cloud business needs.
- Configure VMware vSphere® storage to enable multiple tiers in provider virtual datacenters.
- Create and manage vCloud Director organizations and VMware vSphere® vApps™ ("vApps") to satisfy business needs.
- Create and manage vCloud Director catalogs.
- Configure networking for organizations and vApps.
- Interface vCloud Director to Microsoft Active Directory servers.
- Understand the interactions between VMware vSphere® Distributed Resource Scheduler™ clusters and vCloud Director.

Course Modules

1 Course Introduction
- Review course goals
- Review course objectives
- Review the course outline
- Recognize vCloud Director Essentials/Fundamentals course elements

2 VMware vCloud Director Architecture and Components
- Describe how VMware products use the cloud computing approach
- Review vCloud Director components and explain their functions
- Examine integration with other VMware products such as VMware® vCenter™ Chargeback™ and VMware® vCenter™ Operations Manager™
- Determine the licensing needs

3 VMware vCloud Networking
- Describe the network types available in vCloud Director
- Discuss the organization and VMware vSphere® vApp™network traffic choices
- Describe the function of network pools
- Explain how to share content between organizations and vApps

4 VMware vCloud Providers
- Identify storage resources for vCloud Director
- Configure and manage storage for providers
- Examine provider space allocation to an organization
- Recognize VMware vSphere® Storage vMotion® issues
- Manage storage requirements for linked clones and shadow virtual machines

5 VMware vCloud Director Organizations
- Create and manage organizations
- Recognize resource allocations for an organization
- Create and manage catalogs

6 Basic Security
- Describe role-based access
- Create custom security roles
- Describe and configure LDAP integration with Microsoft Active Directory
- Describe single sign-on

7 Managing Cloud Resources
- Understand and identify how vSphere fulfills vCloud Director requests
- Manage provider and organization virtual datacenters

8 Managing VMware vSphere Resources
- Manage VMware® vCenter Server™ instances
- Manage VMware® ESXi™ hosts
- Manage vSphere datastores
- Manage stranded items
- Configure and manage resource pools at the vSphere level

9 Monitoring VMware vCloud Components
- Monitor usage information at provider and organization virtual datacenters
- Analyze vCloud Director logs to monitor vCloud Director cells

10 Organization Users
- Describe the catalog tasks available to organization users of various roles
- Describe the vApp tasks available to organization users of various roles

11 VMware vCloud Director Installation
- Describe the required prerequisites for a vCloud Director installation
- Install vCloud Director

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