

VMware vCloud: Overview

Delivery Methods

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

Course Duration

- One day of instructor-led training
- 30% lecture, 50% hands-on lab, 20% demonstration

Target Audience

- Technical influencers, high-level managers, and IT decision makers
- Consultants, engineers, and first-line support people wanting a first look at the vCloud solution

Prerequisites

Thorough understanding of virtualization and vSphere capabilities will be helpful.

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.

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 www.vmware.com/education.

Course Overview

This course demonstrates to technical personnel how the VMware vCloud™ solution delivers IT services in a cloud environment. The course focuses on enterprise usage in a private cloud but also includes information on how this approach supports moving to a hybrid or public cloud. Students perform hands-on labs to understand how IT resources are delivered and consumed in a vCloud environment. Instructors demonstrate the basics of how the vCloud solution abstracts, allocates, and meters IT resources in a vCloud environment.

This course is not VMware vCloud Director system administration training. The focus is on demonstrating the features and benefits of the vCloud solution rather than the details of how to install, configure, and manage the components.

Course Objectives

At the end of the course, you should gain an understanding of the functionality and benefits of the vCloud solution, including:

- How cloud computing benefits both IT departments and their end users
- How the VMware® product portfolio supports the cloud computing approach
- How IT resources are delivered, consumed, metered, and secured in a vCloud environment

Course Modules

1 Course Introduction

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

4 Building a Private Cloud

- Summarize the eight basic tasks to provision and allocate resources.
- Describe how each of the three resource allocation models allocate resources to a organization vDC.
- Describe the three types of networks used in a private cloud.
- Discuss the function of network pools.
- Compare the three network pool backing options.
- Name the three types of organization networks.
- List some controls vCloud Director uses to secure networks.
- Describe how to scale vCloud Director to large environments

2 Introducing VMware vCloud

- Discuss some characteristics of delivering IT services in the cloud for consumers and providers
- Name the three cloud deployment environments
- Name the three types of services delivered in the cloud and to which type a given VMware product relates
- Recognize the VMware vCloud Director constructs used to abstract, allocate, and deliver resource in a VMware vCloud implementation
- Discuss the purpose of each of the vCloud components
- List some of the benefits that cloud computing offers to IT organizations

5 Cost Analysis and Reporting

- Summarize the function of each of the vCenter Chargeback architectural components
- Describe the basic workflow of using vCenter Chargeback in a vCloud infrastructure
- Recognize which resources vCenter Chargeback meters
- Name the components of a cost model
- Describe how cost models are used to generate reports
- Locate additional vCloud resources

3 IT Server Delivery

- Describe how organization administrators deliver IT resources in a vCloud environment
- Manage and control access to content components, including catalogs, vApps, vApp templates, and media
- Explain how to share content between organizations
- Describe the purpose of leases, quotas, and limits



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