

# 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](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 [www.vmware.com/education](http://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



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 [www.vmware.com](http://www.vmware.com)  
 © 2010 VMware, Inc. All rights reserved. The product or workshop materials is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at <http://www.vmware.com/download/patents.html>. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

VMware warrants that it will perform these workshop services in a reasonable manner using generally accepted industry standards and practices. THE EXPRESS WARRANTY SET FORTH IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES AND DELIVERABLES PROVIDED BY VMWARE, OR AS TO THE RESULTS WHICH MAY BE OBTAINED THEREFROM. VMWARE WILL NOT BE LIABLE FOR ANY THIRD-PARTY SERVICES OR PRODUCTS IDENTIFIED OR REFERRED TO CUSTOMER. All materials provided in this workshop are copyrighted by VMware ("Workshop Materials"). VMware grants the customer of this workshop a license to use and make reasonable copies of any Workshop Materials strictly for the purpose of facilitating such company's internal understanding, utilization and operation of its licensed VMware product(s). Except as set forth expressly in the sentence above, there is no transfer of any intellectual property rights or any other license granted under the terms of this workshop. If you are located in the United States, the VMware contracting entity for the service will be VMware, Inc., and if outside of the United States, the VMware contracting entity will be VMware International Limited.