

# VMware vCenter Configuration Manager for Virtual Infrastructure Management

## Delivery Methods

- Instructor-led
- Live-online

## Course Duration

- Three (3) days of instructor-led classroom training
- 60% lecture, 40% hands-on lab

## Target Audience

- Virtual infrastructure administrator
- IT managers

## 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

- Experience in performing basic administration tasks on VMware ESXi™ hosts, VMware® vCenter Server™, VMware vCloud Director®, VMware® vShield™, and virtual machines
- System administration experience in a Windows, Linux, or Solaris environment

## 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 additional information about onsite classes, including facility requirements, go to <http://www.vmware.com/education>.

## Course Overview

This hands-on training course builds your skills with VMware® vCenter Configuration Manager™. It provides you with the knowledge and skills to install and configure vCenter Configuration Manager, navigate the user interface, manage compliance, and perform administrative and configuration tasks against your virtual infrastructure.

## Course Objectives

By the end of the course, you should be able to do the following:

- Understand the position of vCenter Configuration Manager in the VMware® management solution set.
- Recognize the role of vCenter Configuration Manager in enterprise configuration and change and compliance management.
- Use the vCenter Configuration Manager console to configure vCenter Configuration Manager for management of VMware® vSphere® systems.
- Navigate the vCenter Configuration Manager console.
- Collect data from vSphere systems from the vCenter Configuration Manager console.
- Manage vSphere system compliance with vCenter Configuration Manager.
- Generate reports in vCenter Configuration Manager.
- Create custom reports in the vCenter Configuration Manager console.
- Perform vCenter Configuration Manager administration tasks to manage its setup and collection of data, user access, jobs, and alerts.
- Discuss the installation options for vCenter Configuration Manager and perform a basic installation.
- Identify changes in the VMware® vCenter™ Operations Management Suite™ including new products and packaging in a high-level overview.
- Articulate the use case for the new integration with VMware® vCenter™ Operations Manager™ to maintain a compliant infrastructure.
- Learn about the improvements in change log and report management.

## Course Modules

<p><b>1 Course Introduction</b></p> <ul style="list-style-type: none"> <li>• Introductions and course logistics</li> <li>• Course objectives</li> <li>• vCenter Configuration Manager overview</li> </ul>	<p><b>7 Working with Reports</b></p> <ul style="list-style-type: none"> <li>• List vSphere system–related reports available in vCenter Configuration Manager</li> <li>• Generate custom reports with the Report wizard</li> <li>• Manage reports</li> </ul>
<p><b>2 Configuration, Compliance, and Change Management</b></p> <ul style="list-style-type: none"> <li>• Provide a high-level overview of vCenter Configuration Manager and its position in the VMware management solution set</li> <li>• Discuss some of the common challenges that customers face in IT configuration, compliance, and change management</li> <li>• Describe the key features of vCenter Configuration Manager and how they benefit IT departments managing configuration, compliance, and change</li> </ul>	<p><b>8 Basic Settings and Configuration</b></p> <ul style="list-style-type: none"> <li>• Work with general settings</li> <li>• Configure settings for integration with vCenter Operations Manager and the vCenter Configuration Manager plug-in in VMware vSphere® Client™</li> <li>• Configure virtualization settings</li> </ul>
<p><b>3 Components and Processes</b></p> <ul style="list-style-type: none"> <li>• Understand the system architecture</li> <li>• Describe and discuss the CARMA concept</li> <li>• Describe the database</li> <li>• Describe the collector</li> <li>• Describe the processes</li> </ul>	<p><b>9 Creating Collection Filters</b></p> <ul style="list-style-type: none"> <li>• Describe collection filters</li> <li>• Create collection filters</li> <li>• Create collection filter sets and collection filter set groups</li> </ul>
<p><b>4 Configuration for Virtual Infrastructure Systems</b></p> <ul style="list-style-type: none"> <li>• Identify and use vCenter Configuration Manager user interface components</li> <li>• Describe and configure management agents</li> <li>• Add and configure settings for vCenter Server, vCloud Director, and vShield systems</li> <li>• License vSphere systems</li> <li>• Collect data from vSphere systems</li> <li>• Manage certificates</li> <li>• Set up an alternative Managing Agent machine</li> </ul>	<p><b>10 User and Role Management</b></p> <ul style="list-style-type: none"> <li>• Discuss how vCenter Configuration Manager access is controlled by access rules and roles</li> <li>• Create access rules and use them in a role</li> <li>• Manage access rules and roles</li> <li>• Add and manage vCenter Configuration Manager logins</li> </ul>
<p><b>5 Using the Upper Console</b></p> <ul style="list-style-type: none"> <li>• View dashboards</li> <li>• View and manage alerts</li> <li>• Change management in the virtual infrastructure</li> <li>• Use the Virtual Infrastructure node</li> </ul>	<p><b>11 Job Management</b></p> <ul style="list-style-type: none"> <li>• Describe the function of Job Manager</li> <li>• View a running job</li> <li>• Add a job</li> <li>• Schedule a job</li> <li>• Edit a job</li> </ul>
<p><b>6 VMware vSphere System Compliance Management</b></p> <ul style="list-style-type: none"> <li>• Describe compliance analysis</li> <li>• Create a rule group</li> <li>• Create a rule group filter</li> <li>• Create a rule group compliance condition</li> <li>• Create and run a compliance template</li> </ul>	<p><b>12 Alert Management</b></p> <ul style="list-style-type: none"> <li>• Add an alert rule</li> <li>• Discuss and enter an alert configuration</li> </ul>



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**13 Using the Content Wizard**

- Describe the Content wizard
- Import and use imported templates

**A VMware vCenter Operations Management Suite Update**

- Discuss the VMware management suite solution and products
- List the key components and capabilities of the vCenter Operations Management Suite
- Describe the main features available in each of the vCenter Operations Management Suite products and editions

**14 Using the Import/Export Utility**

- Describe the Import/Export utility
- Discuss where the Import/Export utility is used

**B VMware vCenter Configuration Manager v5.6 Changes**

- Discuss changes in configuration of machine groups
- Identify new features in managing changes and compliance in the virtual infrastructure
- Learn about improvements in the internationalization of vCenter Configuration Manager
- Generate new reports for the virtual infrastructure

**15 Using the Debug Event Viewer**

- Discuss how the Debug Event Viewer works
- Describe how to filter events

**C Integration with Other Products**

- Identify use cases for integration of additional vCenter Operations Management Suite products
- Discuss integration with vCenter Operations Manager for group management
- Learn about new dashboard badges in vCenter Operations Manager

**16 Installing VMware vCenter Configuration Manager**

- Prerequisites
- Architecture (single-tier or multitier)
- Installation
- Understanding and meeting preinstallation requirements
- Installing vCenter Operations Manager
- Configuring vCenter Configuration Manager to gather data from its environment



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