This hands-on 3 day instructor-led training course focuses on installing, configuring, and managing VMware vCenter Configuration Manager™ 5.7. The course is built on VMware ESXi™ and VMware vCenter Server™. This course 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 infrastructure.

Course Objectives
By the end of this course, you should be able to meet the following objectives:

- Install vCenter Configuration Manager
- Configure vCenter Configuration Manager for use with these virtual machines and services:
  - Windows, UNIX, Linux, and Mac OS X virtual machines
  - Active Directory directory services
  - vCenter Server systems and ESXi hosts
- Use vCenter Configuration Manager to access and apply to compliance tool kits that cover a broad range of standards, including security best practices, vendor hardening guidelines, and regulatory mandates
- Use vCenter Configuration Manager to create configuration baselines and assess managed systems against those baselines
- Use vCenter Configuration Manager to remediate managed systems that are out of compliance
- Use vCenter Configuration Manager to automatically manage and deploy vendor and software patches
- Use vCenter Configuration Manager to support infrastructure hardening through deep configuration data collection and change tracking

Outline

Module 1: Course Introduction
- Introductions and course logistics
Course objectives

Module 2: Introduction to vCenter Configuration Manager
- Describe the VMware vCenter™ Operations Management Suite™
- Describe vCenter Operations Manager integration with vCenter Configuration Manager
- Describe the architecture and main components of vCenter Configuration Manager
- Describe how vCenter Configuration Manager can be used to manage configuration, compliance, and change management
- Describe the CARMA methodology

Module 3: Using the vCenter Configuration Manager User Interface
- Describe the parts of the vCenter Configuration Manager interface
- Use the vCenter Configuration Manager toolbar
- Use the vCenter Configuration Manager machine group selector
- Use the vCenter Configuration Manager data grid toolbar
- Use the vCenter Configuration Manager data grid or summary report
- Use the vCenter Configuration Manager navigation sliders

Module 4: Managing Windows Machines
- Verify domains and network authority
- Run the discovery process
- License machines and install vCenter Configuration Manager agents
- Manage Windows data in the lower console
- Create and modify Windows machine groups

Module 5: Managing UNIX, Linux, and Mac OS X Machines
- Configure the installation delegate machine
- Discover UNIX, Linux, and Mac OS X machines
- Manually add UNIX, Linux, and Mac OS X machines
- License and install the agent
- Collect data from UNIX, Linux, and Mac OS X machines
- Manage UNIX, Linux, and Mac OS X data in the lower console
- Create and modify UNIX, Linux, and Mac OS X machine groups

Module 6: Managing the Virtual Environment
- Configure the managing agent machine
• Add and configure vCenter Server systems in vCenter Configuration Manager
• Collect data from vCenter Server systems
• Manage vCenter Server system and ESXi host data in the upper console
• Add and configure VMware vCloud® Networking and Security App™ systems in vCenter Configuration Manager
• Collect data from vCloud Networking and Security App systems
• Manage vCloud Networking and Security App system data
• Use the virtual environment dashboards and change log

Module 7: Managing Active Directory
• Configure vCenter Configuration Manager for AD
• Collect AD data
• Examine AD data

Module 8: Managing Compliance
• Describe the compliance process and components
• Use compliance templates
• Use the Compliance Content wizard
• Configure vCenter Configuration Manager rule groups
• Configure vCenter Configuration Manager rules
• Configure vCenter Configuration Manager filters
• Configure vCenter Configuration Manager exceptions
• Configure vCenter Configuration Manager machine group compliance templates
• Resolve noncompliance
• Manage compliance alerts
• Run AD compliance

Module 9: Patch Management
• Describe the Windows patch assessment and deployment process
• Complete manual patching of Windows machines
• Configure event-driven automatic patching
• Configure scheduled automatic patching
• Describe the Linux and UNIX patch assessment and deployment process

Module 10: Creating Custom Reports
• Describe as-is reports
Use the vCenter Configuration Manager report wizard
- Report scheduling

**Module 11: Managing vCenter Configuration Manager Security Roles**
- Describe VCM security roles
- Configure VCM access for AD users and groups

**Module 12: Customizing and Managing vCenter Configuration Manager**
- Create custom collection filters
- Describe administration settings that affect vCenter Configuration Manager performance
- Describe and use the Import Export command line (for backup)
- Describe and use Debug Event Viewer

**Module 13: Installing vCenter Configuration Manager**
- Describe single-tier, two-tier, and three-tier installations.
- Describe vCenter Configuration Manager installation prerequisites
- Describe the difference between the vCenter Configuration Manager typical installation and the vCenter Configuration Manager advanced installation

**PreRequisites**

- Experience in performing basic administration tasks on ESXi hosts, vCenter Server, and virtual machines through the VMware vSphere® Web Client
- System administration experience on Microsoft Windows, UNIX, and Linux operating systems

**Audience**

- Virtual infrastructure administrators
- IT managers
$2695.00 List Price

3 Days Course

Class Dates

Request a Date or a Private Class below.

MAX Educ. Savings

Tag: VMware vCenter