

# VMware vCenter Configuration Manager: Install, Configure, Manage [V5.7]

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## Course Details

### Course Outline

#### 1. Course Introduction

- Introductions and course logistics
- Course objectives

#### 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

#### 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

#### 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

#### 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

## **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

## **7. Managing Active Directory**

- Configure vCenter Configuration Manager for AD
- Collect AD data
- Examine AD data

## **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

## **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

## **10. Creating Custom Reports**

- Describe as-is reports
- Use the vCenter Configuration Manager report wizard
- Report scheduling

## **11. Managing vCenter Configuration Manager Security Roles**

- Describe VCM security roles
- Configure VCM access for AD users and groups

## **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

## **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
- Manage typical installation and the vCenter Configuration
- Manage advanced installation