

# Course name: vRealize Operations Manager: Install, Configure, Manage [V6.0]

## Course code: VT-VR0M-ICM-6-EN

### Introduction

Prerequisites:

Completion of the following courses:

- VMware vSphere: Install, Configure, Manage [V5.5]
- VMware vSphere: Optimize and Scale [V5.5]

### Participant profile

Experienced system administrators and system integrators, and consultants responsible for customizing vRealize Operations Manager content

### Goal description

- Navigate the vRealize Operations Manager user interface
- Use alerts and analysis badges to troubleshoot common and complex vSphere operational issues
- Monitor capacity risk and infrastructure utilization
- Perform capacity planning and what-if analyses
- Configure policies to meet the operational needs of the environment
- Customize vRealize Operations Manager by creating alert definitions, symptom definitions, views, reports, dashboards, and super metrics
- Give users and user groups controlled access to the environment
- Extend the capabilities of vRealize Operations Manager by adding management packs and solutions
- Scale a vRealize Operations Manager deployment and make it highly available
- Install and configure vRealize Operations Manager
- Monitor and maintain a vRealize Operations Manager deployment

### Course duration and form

- 35 hours (5 days x 7 hours), including lectures and exercises.

### Course plan

1. Course Introduction
  - a. Introductions and course logistics
  - b. Course objectives
2. Introduction to vRealize Operations Manager
  - a. Describe how vRealize Operations Manager is used to manage the software-defined data center
  - b. Describe the features and benefits of vRealize Operations Manager
3. vRealize Operations Manager User Interface
  - a. Navigate the main areas of the user interface
  - b. Explain the importance of inventory trees
  - c. View widgets and dashboards on the Home page
  - d. View inventory trees and objects on the Environment page
4. vRealize Operations Manager Concepts
  - a. Use views to gather information about the environment
  - b. Create reports about the environment
  - c. Explain how data is collected and analyzed by vRealize Operations Manager

- d. Discuss the importance of alerts, symptoms, and badges
5. Troubleshooting System Health Issues
  - a. Discuss the process for troubleshooting system health issues with vRealize Operations Manager
  - b. Monitor alerts and troubleshoot system health issues
  - c. Use heat maps to monitor system health
6. Capacity Planning
  - a. Discuss capacity planning models
  - b. Assess capacity risk in the environment
  - c. Troubleshoot risk and efficiency issues
  - d. Identify ways to optimize resource utilization in the environment
  - e. Use projects to perform what-if scenarios
7. Tags, Applications, and Object Groups
  - a. Use tags and applications to group objects
  - b. Create custom object groups in the environment
8. Policies
  - a. List guidelines for customizing vRealize Operations Manager content
  - b. Create policies for different types of workloads
  - c. Explain how policy inheritance works
9. Custom Alert Definitions
  - a. Create symptom definitions
  - b. Create recommendations and use actions
  - c. Create notifications
  - d. Create alert definitions
10. Custom Views
  - a. Describe the different types of views
  - b. Create views
11. Custom Dashboards
  - a. Create custom dashboards
  - b. Configure widgets and widget interactions
  - c. Configure dashboard navigation
  - d. Manage dashboards
12. Super Metrics
  - a. Create super metrics
  - b. Enable super metrics in policies
13. User Access Control
  - a. Create local users and user groups
  - b. Assign roles to local users and user groups
  - c. Import users and user groups from an LDAP source
14. Management Packs
  - a. Describe management packs that are available to the environment
  - b. Install and configure a management pack
15. Architecture, Scalability, and Availability
  - a. Describe the components of a vRealize Operations Manager node
  - b. Describe the different roles in a vRealize Operations Manager cluster
  - c. Explain how a node's components interact to achieve scalability and availability
16. Deploying vRealize Operations Manager
  - a. Determine how to size a vRealize Operations Manager cluster
  - b. Install and configure a vRealize Operations Manager cluster
  - c. Monitor and manage a vRealize Operations Manager cluster