

VMware vRealize Operations Manager: Install, Configure, Manage [V6.6]

Duration: 5 Days

Overview:

This five-day course, designed for experienced VMware vSphere® users, teaches you how to use VMware vRealize® Operations Manager™ as a forensic and predictive tool. Based on VMware ESXi™ 6, VMware vCenter Server® 6, and vRealize Operations Manager 6.2, this course includes instruction on advanced capabilities, including customisation and management.

Product Alignment: vRealize Operations Manager 6.2, ESXi 6, vCenter Server 6

Target Audience:

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

Pre-requisites:

This class requires completion of one of the following courses:

- VMware vSphere: Install, Configure, Manage [V6]
- VMware vSphere: Optimise and Scale [V6]
- Or System administration experience with vSphere deployments

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives

Module 2: Introduction to vRealize Operations Manager

- Describe how vRealize Operations Manager is used to manage the software-defined data center
- Describe the features and benefits of vRealize Operations Manager

Module 3: vRealize Operations Manager user Interface

- Navigate the main areas of the user interface
- Explain the importance of inventory trees
- View widgets and dashboards on the home page
- View inventory trees and objects on the Environment page

Module 4: vRealize Operations Manager Concepts

- Use views to gather information about the environment
- Create reports about the environment
- Explain how data is collected and analysed by vRealize Operations Manager
- Discuss the importance of alerts, symptoms, and badges

Module 5: Troubleshooting System Health issues

- Discuss the process for troubleshooting system health issues with vRealize Operations Manager
- Monitor alerts and troubleshoot system health issues
- Use heat maps to monitor system health

Module 11: Custom Views

- Describe the various types of views
- Create views

Module 12: Custom Dashboards

- Create custom dashboards
- Configure widgets and widget interactions
- Configure dashboard navigation
- Manage dashboards

Module 13: Super Metrics

- Create super metrics
- Enable super metrics in policies

Module 14: User Access Control

- Create local users and user groups
- Assign roles to local users and groups
- Import users and user groups from an LDAP source

Module 15: Operating System and Application Monitoring

- Deploy operating system and application monitoring
- Monitor operating systems and applications

Module 16: Management Packs

- Describe management packs that are available to the environment
- Install and configure a management pack

Course Completion:

After completing this course, students will be able to:

- 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
- Use workload placement to rebalance workloads
- Configure policies to meet the operational needs of the environment
- Customise 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
- Monitor operating systems and applications
- 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

Module 6: Capacity Planning

- Discuss capacity planning models
- Assess capacity risk in the environment
- Troubleshoot risk and efficiency issues
- Identify ways to optimise resource utilisation in the environment
- Use projects to perform what-if scenarios

Module 7: Tags, Application Groups, and Custom Object Groups

- Use tags and applications to group objects
- Create custom object groups in the environment

Module 8: Policies

- List guidelines for customising vRealize Operations Manager content
- Create policies for various types of workloads
- Explain how policy inheritance works

Module 9: Intelligent Workload Placement

- Use workload placement to rebalance workloads across the environment
- Identify scenarios that use workload placement
- Use policies to drive workload balance plan recommendations

Module 10: Custom Alert Definitions

- Create symptom definitions
- Create recommendation and use actions
- Create notifications
- Create alert definitions

Module 17: Architecture, Scalability and Availability

- Describe the components of a vRealize Operations Manager node
- Describe the roles in a vRealize Operations Manager cluster
- Explain how a node's components interact to achieve scalability and availability

Module 18: Deploying vRealize Operations Manager

- Determine how to size a vRealize Operations Manager cluster
- Install and configure a vRealize Operations Manager cluster
- Monitor and manage a vRealize Operations Manager Cluste