

# **Enterprise Computing Solutions - Education Services**

# **TRAINING OFFERING**

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

CODE: LENGTH: PRICE:

VM-VR-OPS-ICM-6.6 40 Hours (5 days) \$4,250.00

## **Description**

This five-day course, designed for experienced VMware vSphere® users, teaches you how to use VMware vRealize® Operations™ as a forensic and predictive tool.

Based on VMware ESXi™ 6.5, VMware vCenter Server® 6.5, and vRealize Operations 6.6, this course includes instruction on advanced capabilities, including customization and management.

# **Objectives**

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

- · Navigate the vRealize Operations 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
- · Customize vRealize Operations 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 capabilities of vRealize Operations by adding management packs and solutions
- · Scale a vRealize Operations deployment and make it highly available
- · Install and configure vRealize Operations
- · Monitor and maintain a vRealize Operations deployment

#### **Audience**

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

#### **Prerequisites**

This class requires completion of one of the following courses:

- VMware vSphere: Install, Configure, Manage [V6.5]
- VMware vSphere: Optimize and Scale [V6.5]

Or system administration experience with vSphere deployments

# **Programme**

## Course Introduction Intro

#### Introduction to vRealize Operations

- Introductions and course logistics Describe how vRealize Operations is used to manage the software-defined data center
- Course objectives
  Describe the features and benefits of vRealize Operations

#### vRealize Operations 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

#### vRealize Operations Concepts

- Use views to gather information about the environment
- Create reports about the environment
- Explain how data is collected and analyzed by vRealize Operations
- · List the functions of the analytics component
- Discuss key indicators in the user interface that provide warnings about potential issues
- Use alerts to identify root causes for performance, capacity, and utilization issues
- · Use symptoms to indicate a potential issue

**Troubleshooting System Health Issues** 

• Troubleshoot a user's performance issue

· Troubleshoot system health alerts

• Use badges to visually analyze your environment to identify good or bad conditions for the entire environment

# **Capacity Planning**

- Define capacity planning terminology
- Discuss capacity planning models
- Monitor for capacity risk in the environment
- · Troubleshoot risk issues
- Troubleshoot efficiency issues
- · Identify ways to optimize resource use
- Use health weather maps and heat maps to monitor system health Use projects to perform what-if scenarios

#### **Policies**

• List guidelines for customizing vRealize Operations

# Tags, Application Groups, and Custom Object Groups • Import and export content

• Discuss the process for troubleshooting system health issues

- · Use tags and applications to group objects
- Create custom object groups in the environment
- · Create policies for various types of workloads
- Explain how policy inheritance works

#### **Custom Alert Definitions**

- Create symptom definitions
- · Create recommendations and use actions
- Create actions
- - · Create alert definitions

# **Intelligent Workload Placement**

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

#### **Custom Dashboards**

- · Create custom dashboards
- · Configure widgets
- · Configure widget interactions
- · Configure the Scoreboard widget to use a metric configuration file
- Configure dashboard navigation
- · Specify the dashboard used on the Summary tab of an object
- · Organize dashboards in folders
- Build and use custom views in your environment Share dashboards

#### **User Access Control**

- Explain how users are authorized to access objects
- **Super Metrics** • Explain how privileges are prioritized when a user has multiple privileges
- Create local users and user groups Create super metrics
- Enable super metrics in policies Import users and user groups from an LDAP source

# **Operating System and Application Monitoring**

#### **Management Packs**

- Deploy operating system and application monitoring Explore the management packs that are available for your environment
- Monitor operating systems and applications
- Install and configure a management pack

#### Architecture, Scalability, and Availability

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

#### **Deploying vRealize Operations**

- Install a vRealize Operations cluster
- Configure a vRealize Operations cluster
- Monitor the health of a vRealize Operations cluster
- · Generate a support bundle
- View logs

**Custom Views** 

· Perform cluster management tasks

#### **Session Dates**

On request. Please Contact Us

# **Additional Information**

This training is also available as onsite training. Please contact us to find out more.