

VMware vRealize Operations: Install, Configure, Manage

Duration: 5 Days **Course Code: VMVROMICM** **Version: 8.6**

Overview:

This five-day, hands-on VMware vRealize training course provides you with the knowledge and skills to deploy a VMware vRealize® Operations™ cluster that meets the monitoring requirements of your environment. This course includes advanced capabilities such as customizing alerts, views, reports, and dashboards and explains the architecture in vRealize Operations. This course explains application monitoring, certificates, capacity and cost concepts, and workload optimization with real-world use cases. This course covers troubleshooting using the workbench, alerts, and redefined dashboards and describes how to manage compliance and configurations. This course also covers several management packs.

Product Alignment: VMware vSphere 7.0.3 VMware vRealize® Operations™ 8.6

Target Audience:

Experienced system administrators and system integrators Consultants responsible for designing, implementing, and customizing vRealize Operations

Objectives:

- By the end of the course, you should be able to meet the following objectives:
- List the vRealize Operations use cases
- Identify features and benefits of vRealize Operations
- Determine the vRealize Operations cluster that meets your monitoring requirements
- Deploy and configure a vRealize Operations cluster
- Use interface features to assess and troubleshoot operational issues
- Describe vRealize Operations certificates
- Create policies to meet the operational needs of your environment
- Recognize effective ways to optimize performance, capacity, and cost in data centers
- Troubleshoot and manage problems using workbench, alerts, and predefined dashboards
- Manage configurations
- Configure application monitoring using VMware vRealize® Application Remote Collector™
- Create custom symptoms and alert definitions, reports, and views
- Create various custom dashboards using the dashboard creation canvas
- Configure widgets and widget interactions for dashboards
- Create super metrics
- Set up users and user groups for controlled access to your environment
- Extend the capabilities of vRealize Operations by adding management packs and configuring solutions
- Monitor the health of the vRealize Operations cluster by using self-monitoring dashboards

Prerequisites:

Before taking this course, you must complete at least one the following:

- VMware vSphere: Install, Configure, Manage (VSICM)
- 6 months hands-on vRealize Operations experience

Content:

1 Course Introduction	7 Capacity Optimization	<ul style="list-style-type: none">• Create the symptom definitions
<ul style="list-style-type: none">• Introduction and course logistics• Course objectives	<ul style="list-style-type: none">• Define the capacity planning terms• Explain the capacity planning models	<ul style="list-style-type: none">• Create the recommendations, actions, and notifications• Create the alert definitions that monitor resource demand in hosts and VMs
2 Introduction to vRealize Operations	<ul style="list-style-type: none">• Assess the overall capacity of a data center and identify the optimization recommendations	<ul style="list-style-type: none">• Build and use the custom views in your environment
<ul style="list-style-type: none">• List the vRealize Operations use cases	8 What-If Scenarios and Costing in vRealize Operations	<ul style="list-style-type: none">• Create the custom reports for presenting data about your environment
<ul style="list-style-type: none">• Access the vRealize Operations User Interface (UI)	<ul style="list-style-type: none">• Run what-if scenarios for adding workloads to a data center• Discuss the types of cost drivers in vRealize Operations• Assess the cost of your data center inventory	13 Custom Dashboards
3 vRealize Operations Architecture		<ul style="list-style-type: none">• Create the dashboards that use the predefined and custom widgets• Configure the widgets to interact with the other widgets and other dashboards
<ul style="list-style-type: none">• Identify the functions of components in a vRealize Operations node• Identify the types of nodes and their role in a vRealize Operations cluster• Outline how high availability is achieved in vRealize Operations• List the components required to enable Continuous Availability (CA)	9 Performance Optimization	<ul style="list-style-type: none">• Configure the Scoreboard widget to use a metric configuration file
	<ul style="list-style-type: none">• Introduction to performance optimization• Define the business and operational intentions for a data center	<ul style="list-style-type: none">• Manage the dashboards by grouping dashboards and sharing dashboards with users
4 Deploying vRealize Operations	<ul style="list-style-type: none">• Automate the process of optimizing and balancing workloads in data centers• Report the results of the optimization potential	14 Super Metrics
<ul style="list-style-type: none">• Design and size a vRealize Operations cluster• Deploy a vRealize Operations node• Install a vRealize Operations instance• Describe the different vRealize Operations deployment scenarios	10 Troubleshooting and Managing Configurations	<ul style="list-style-type: none">• Recognize the different types of super metrics• Create super metrics and associate them with objects• Enable super metrics in policies
	<ul style="list-style-type: none">• Describe the troubleshooting workbench	15 User Access Control
5 vRealize Operations Concepts	<ul style="list-style-type: none">• Recognize how to troubleshoot problems by monitoring alerts• Use step-by-step workflows to troubleshoot the different vSphere objects	<ul style="list-style-type: none">• Recognize how users are authorized to access objects• Determine privilege priorities when a user has multiple privileges
<ul style="list-style-type: none">• Identify the product UI components• Create and use tags to group objects		

<ul style="list-style-type: none"> • Use a custom group to group objects 	<ul style="list-style-type: none"> • Assess your environment's compliance to standards 	<ul style="list-style-type: none"> • Import users and user groups from an LDAP source
6 vRealize Operations Policies and Certificate Management	<ul style="list-style-type: none"> • View the configurations of vSphere objects in your environment 	16 Extending and Managing a vRealize Operations Deployment
<ul style="list-style-type: none"> • Describe the vRealize Operations certificates 	11 Application Monitoring in vRealize Operations	<ul style="list-style-type: none"> • Identify the available management packs in VMware Marketplace™
<ul style="list-style-type: none"> • Create policies for the various types of workloads 	<ul style="list-style-type: none"> • Describe the native service discovery and application monitoring features 	<ul style="list-style-type: none"> • Monitor the health of a vRealize Operations cluster
<ul style="list-style-type: none"> • Explain how policy inheritance works 	<ul style="list-style-type: none"> • Configure the application monitoring 	<ul style="list-style-type: none"> • Generate a support bundle
	<ul style="list-style-type: none"> • Monitor the operating systems and applications by using vRealize Application Remote Collector 	<ul style="list-style-type: none"> • View the vRealize Operations log files and audit reports
	12 Custom Alert, Views, and Reports	<ul style="list-style-type: none"> • Perform the vRealize Operations cluster management tasks

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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