

# VMware vRealize Operations: Install Configure Manage [V8]

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<b>Code:</b>	EDU-VROPSISICM8
<b>Length:</b>	5 days
<b>URL:</b>	<a href="#">View Online</a>

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This five-day course covers advanced capabilities like customizing alerts, views, reports, and dashboards and explains the architecture and different ways of deploying VMware vRealize® operations. This course explains certificates, capacity concepts, and workload optimization with real-world use cases and covers troubleshooting using dashboards and how-to manage compliance and configurations. The course also covers management packs such as those for or in the SDDC Management Health solution, Storage Devices Management Pack, and AWS Management Pack

- In general, this course explains how to use and configure most of the new features and enhancements in vRealize version 8.0.

## Skills Gained

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

- Identify features and benefits of VMware vRealize® Operations™
- Design, size, and deploy a vRealize Operations cluster
- Identify the types of nodes and their roles in a vRealize Operations cluster
- Recognize how to use vRealize Operations components to build scalability and availability
- Use interface features to assess and troubleshoot operational issues
- 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 issues and configurations using alerts and dashboards
- Use Telegraf to monitor operating systems and applications
- Create custom alert definitions, reports, and views
- Create 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

## Who Can Benefit

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

## Prerequisites

This class requires system administration experience with VMware vSphere® deployments or completion of one of the following courses:

- VMware vSphere: Install, Configure, Manage [V6.7]
- VMware vSphere: Optimize and Scale [V6.7]

## Course Details

### Product Alignment

- VMware vSphere 6.7 U3
- VMware vRealize Operations Manager™ 8.0
- VMware vRealize® Lifecycle Manager™ 8.0

### Outline

#### Course Introduction

- Introductions and course logistics
- Course objectives

#### User Interface Enhancements

- Describe how to use vRealize Operations to manage the software-defined data center
- Identify features and benefits of vRealize Operations

#### Deploying vRealize Operations

- Design and size a vRealize Operations cluster
- Install a vRealize Operations cluster
- Configure a vRealize Operations cluster for high availability
- Describe different vRealize Operations deployment scenarios
- Describe how to use vRealize Lifecycle Manager to deploy vRealize Operations

#### vRealize Operations Architecture and Certificates

- Describe the functions of the components in a vRealize Operations node
- Identify the types of nodes and their roles in a vRealize Operations cluster

- Recognize how a node's components interact to achieve scalability and availability
- Identify ways that data is collected and analyzed by vRealize Operations
- Describe vRealize Operations certificates

#### vRealize Operations Concepts and Policies

- Identify the tasks that can be performed in the administration and product user interfaces
- Describe dashboards and their usage
- Use tags to group objects
- Create policies for various types of workloads
- Explain how policy inheritance works

#### Performance Optimization

- Assess the performance of your environment to determine which data centers need optimization
- Define the business and operational intents for a given data center
- Automate the process of optimizing and balancing the workloads in data centers
- Report on the results of optimization efforts

#### Capacity Optimization and Costing

- Define capacity planning terms
- Understand capacity planning models
- Assess the overall capacity of a data center and identify optimization recommendations
- Recognize options for rightsizing virtual machines (VMs)
- Run what-if scenarios for adding workloads to a data center
- Run what-if scenarios to plan the migration of workloads to the public cloud

#### Managing Configurations and Troubleshooting Pillars

- Recognize how to troubleshoot issues by monitoring alerts
- Use step-by-step workflows to troubleshoot different vSphere objects
- Assess your environment's compliance to standards
- View the configurations of VMware vSphere® objects in your environment

#### Operating System and Application Monitoring

- Recognize how the Service Discovery manager and Telegraf fits into the vRealize Operations OS and app monitoring
- Deploy the Application remote collector
- Monitor the operating system and applications by using Telegraf

#### Custom Alert Definition

- Create symptom definitions
- Create recommendations, actions, and notifications
- Create alert definitions that monitor resource demand in hosts and VMs

## Custom Views and Reports

- Build and use custom views in your environment
- Create custom reports for presenting data about your environment

## Custom Dashboards

- Create dashboards that use predefined and custom widgets
- Configure widgets to interact with other widgets and other dashboards
- Configure the Scoreboard widget to use a metric configuration file
- Manage dashboards by grouping dashboards and sharing dashboards with users

## Super Metrics

- Recognize different types of super metrics
- Create super metrics and associate them with objects
- Enable super metrics in policies

## User Access Control

- Recognize how users are authorized to access objects
- Determine privilege priorities when a user has multiple privileges
- Import users and user groups from an LDAP source

## Extending and Managing a vRealize Operations Deployment

- Identify the management packs that are available to your environment
- Install and configure a management pack
- Monitor the health of a vRealize Operations cluster
- Generate a support bundle
- View vRealize Operations logs and audit reports
- Perform vRealize Operations cluster management tasks

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