

# VMware vRealize Operations: Day 2

## Operations with Cloud

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### Course Description

This four-day course is for users of the both VMware vRealize® Operations™ on-prem and cloud versions. The course includes how to use advanced capabilities like customizing alerts, views, reports, and dashboards, and it explains the architecture in vRealize Operations. This course explains certificates, capacity concepts, and workload optimization with realworld use cases. This course covers troubleshooting using dashboards and how to manage compliance and configurations. This course also covers several management packs and introduces VMware vRealize® Operations Cloud™.

In general, this course explains how to use and configure most of the new features and enhancements in version 8.1 and 8.2.

### Course Duration:

4 days

### Prerequisites:

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

- VMware vSphere: Install, Configure, Manage [V7]
- VMware vSphere: Optimize and Scale [V7]

### Objectives:

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

- Identify features and benefits of vRealize Operations
- 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 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 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
- Discuss the vRealize Operations Cloud features

### Course Outline:

1. Course Introduction
  - Introduction and course logistics
  - Course objectives

2. vRealize Operations Concepts
  - Identify the components of the product UI
  - Create and use tags to group objects
  - Use custom group to group objects
3. vRealize Operations Architecture and Certificates
  - Describe vRealize Operations certificates
  - Create policies for various types of workloads
  - Explain how policy inheritance works
4. Capacity Optimization
  - Define capacity planning terms
  - Understand capacity planning models
  - Assess the overall capacity of a data center and identify optimization recommendations
  - 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
  - Discuss types of cost drivers in vRealize Operations
  - Assess the cost of your datacenter inventory
5. Performance Optimization
  - Introduction to performance optimization
  - Define the business and operational intentions for a given data center
  - Automate the process of optimizing and balancing the workloads in data centers
  - Report on the results of optimization potential
6. Troubleshooting and Managing Configuration Pillars
  - Describe the troubleshooting workbench
  - 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 vSphere objects in your environment
7. Application Monitoring in vRealize Operations
  - Describe native service discovery and application monitoring features
  - Configure the application monitoring
  - Monitor the operating system and applications by using vRealize Application Remote Collector
8. Custom Alert Definition
  - Create symptom definitions
  - Create recommendations, actions, and notifications
  - Create alert definitions that monitor resource demand in hosts and VMs
9. Custom Views and Reports
  - Build and use custom views in your environment
  - Create custom reports for presenting data about your environment
10. 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
11. Super Metrics
  - Recognize different types of super metrics

- Create super metrics and associate them with objects
  - Enable super metrics in policies
12. 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
13. Extending and Managing a vRealize Operations Deployment
- Identify the management packs that are available in the VMware marketplace
  - 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
14. vRealize Operations Cloud Overview
- Outline cloud services console
  - Discuss the vRealize Operations Cloud onboarding page and cloud proxy
  - Discuss the vRealize Operations Cloud Features
  - Explain near real-time metric collection feature

## Who Should Attend

vRealize Operations on-prem and cloud customers, including experienced system administrators, system integrators, and consultants responsible for designing, implementing, and customizing vRealize Operations.