

## **VMware vRealize Operations: Install, Configure, Manage 7.0 (VMvROISM-6.6)**

**Modality:** Virtual Classroom

**Duration:** 5 Days

**SATV Value:**

**CLC:**

**NATU:**

**SUBSCRIPTION:** No

### **About this Course:**

This intermediate-level 5 days training program is designed for Experienced System Administrators & Engineers striving to learn more about the core functionalities of VMware vRealize® Operations™. This is a highly effective predictive and forensic tool and professionals with proficiency in management and customization of vRealize® can pursue a successful career as a VMware Administrator. On average, a Professional VMware Administrator earns \$79,168 annually.

This course provides a comprehensive overview of core VMware Technologies and helps professionals learn the art of working with vRealize Operations Deployments. Professionals will also get to know about Performance & Capacity Enhancement Practices and other effective development, configuration, and management strategies of VMware.

### **Course Objectives:**

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Identification of Benefits and Features of vRealize Operations
- vRealize Operations Deployment
- Interface Features Use for Troubleshooting & Assessment of Operational Issues
- Availability and Scalability Development through vRealize Operation Components
- Capacity and Performance Optimization Best Practices in Data Centers
- Manage and Troubleshoot Configurations & Issues Through Dashboards and Alerts
- Endpoint Operations Management for Applications and Operating System Monitoring
- Creation and Development of Policies for improved Operating Systems
- Creating Reports, Views, and Custom Alert Definitions
- Widgets Configuration for Dashboards & Super Metrics Configuration
- vRealize Operations Capabilities Extension through Solutions and Management Packs
- Controlled Assess Establishment through Setting Up Users Groups and Individuals

### **Audience:**

- System Administrators and Engineers

- System Integrators and Consultants
- Professionals liable for vRealize Operation Content Customization

## Prerequisites:

Professionals planning to enroll in the VMware vRealize Operations: Install, Configure, Manage 7.0 (VMvROISM-6.6) course must complete one of the following courses or have equivalent experience in vSphere Deployments.

- Certification in VMware vSphere: Install, Configure, Manage [V6.x]
- Certification in VMware vSphere: Optimize and Scale [V6.x]

## Course Outline:

### Module 1 Course Introduction

- Introductions and course logistics
- Course objectives

### Module 2 Introduction to vRealize Operations

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

### Module 3 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 VMware vRealize® Suite Lifecycle Manager™ to deploy vRealize Operations

### Module 4 vRealize Operations Concepts

- Identify the tasks that can be performed in the administration and product user interfaces
- Recognize how to use dashboards, views, and reports to gather information about the environment
- Use tags, applications, and custom groups to group related objects in the environment

### Module 5 vRealize Operations Architecture

- Describe the functions of the components in a 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

### Module 6 Performance Optimization

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

## **Module 7 Capacity Optimization**

- Define capacity planning terminology and capacity planning models
- Assess the overall capacity of a data center and identify optimization recommendations
- Run what-if scenarios to plan for future resource capacity and workload requirements
- Assess the cost of running the data centers in your environment

## **Module 8 Troubleshooting and Managing Configurations**

- 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
- Describe how logs can be accessed by integrating vRealize Operations with VMware vRealize® Log Insight™
- View inventory trees on the Environment page to monitor vSphere objects
- Monitor the performance of a vRealize Operations instance

## **Module 9 Operating System and Application Monitoring**

- Deploy the Endpoint Operations Management agent
- Monitor operating systems by viewing the metrics collected by the Endpoint Operations Management agent

## **Module 10 vRealize Operations Policies**

- Create policies for various types of workloads
- Explain how policy inheritance works

## **Module 11 Custom Alert Definitions**

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

## **Module 12 Views and Reports**

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

## **Module 13 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

### **Module 14 Super Metrics**

- Create super metrics and associate them with vSphere objects
- Enable super metrics in policies

### **Module 15 User Access Control**

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

### **Module 16 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