

VMware vRealize Operations: Install, Configure, Manage [v8.6] Training

Duration: 5 Days

Course Content:

VMware vRealize Operations: Install, Configure, manage Training covers in-depth information regarding the deployment, management, customization, and overall structure of VMware vRealize. This technical course elaborates on capacity concepts, certificates, and work-load optimization with real world cases that teach you to troubleshoot using dashboards and manage configurations. Our enterprise training program is best for organizations and companies. It helps you inspect the features and advantages of vRealize Operations and guides you to launch them.

In this course, you will learn the right methodologies to utilize interface functions to analyze and rectify operational issues. It also helps you troubleshoot and handle problems and configurations with the help of dashboards and alerts. This program is ideal for system integrators, administrators, and professionals responsible for implementing, customizing, and designing vRealize Operations. By the end of this course, you will have essential information to increase the capabilities of vRealize Operations by including solutions, management packs, self-monitoring.

Who should attend?

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

Prerequisites for this training

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

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

What you will learn

- 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

Curriculum

Module 1: Course Introduction

- Introduction and course logistics
- Course objectives

Module 2: Introduction to vRealize Operations

- List the vRealize Operations use cases
- Access the vRealize Operations User Interface (UI)

Module 3: vRealize Operations Architecture

- 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)

Module 4: Deploying vRealize Operations

- Design and size a vRealize Operations cluster
- Deploy a vRealize Operations node
- Install a vRealize Operations instance
- Describe the different vRealize Operations deployment scenarios

Module 5: vRealize Operations Concepts

- Identify the product UI components
- Create and use tags to group objects
- Use a custom group to group objects

Module 6: vRealize Operations Policies and Certificate Management

- Describe the vRealize Operations certificates
- Create policies for the various types of workloads
- Explain how policy inheritance works

Module 7: Capacity Optimization

- Define the capacity planning terms
- Explain the capacity planning models
- Assess the overall capacity of a data center and identify the optimization recommendations

Module 8: What-If Scenarios and Costing in vRealize Operations

- 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

Module 9: Performance Optimization

- Introduction to performance optimization
- Define the business and operational intentions for a data center
- Automate the process of optimizing and balancing workloads in data centers
- Report the results of the optimization potential

Module 10: Troubleshooting and Managing Configurations

- Describe the troubleshooting workbench
- Recognize how to troubleshoot problems by monitoring alerts
- Use step-by-step workflows to troubleshoot the different vSphere objects
- Assess your environment's compliance to standards
- View the configurations of vSphere objects in your environment

Module 11: Application Monitoring in vRealize Operations

- Describe the native service discovery and application monitoring features
- Configure the application monitoring
- Monitor the operating systems and applications by using vRealize Application Remote Collector

Module 12: Custom Alert, Views, and Reports

- Create the symptom definitions
- Create the recommendations, actions, and notifications
- Create the alert definitions that monitor resource demand in hosts and VMs
- Build and use the custom views in your environment
- Create the custom reports for presenting data about your environment

Module 13: Custom Dashboards

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

Module 14: Super Metrics

- Recognize the different types of super metrics
- Create super metrics and associate them with 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
- Import users and user groups from an LDAP source

Module 16: Extending and Managing a vRealize Operations Deployment

- Identify the available management packs in VMware Marketplace™
- Monitor the health of a vRealize Operations cluster
- Generate a support bundle
- View the vRealize Operations log files and audit reports
- Perform the vRealize Operations cluster management tasks

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