

VMware vRealize Operations: Install, Configure, Manage [V8.6]

Course Duration: 40 Hours (5 Days)

Overview

The VMware vRealize Operations: Install, Configure, Manage [V8.6] course is designed to teach IT professionals how to use VMware vRealize Operations as a Forensic and predictive tool. The course covers the vRealize Operations Manager architecture, deployment, Policies, Capacity and cost optimization, Performance optimization, troubleshooting, Managing configurations, Application monitoring, and Custom alerting. With VMware vRA Training and VMware vROps Training, learners will gain the skills to manage and maintain the health, performance, and compliance of their IT infrastructure. The course offers hands-on experience through practical exercises, ensuring that participants can effectively install, configure, and manage the vRealize Operations platform. This comprehensive training will empower IT professionals to optimize their environments, making them more efficient, secure, and cost-effective

Audience Profile

The VMware vRealize Operations: Install, Configure, manage [V8.6] course is designed for IT professionals responsible for vRealize Operations management and optimization

- System Administrators and Operators responsible for managing and monitoring virtual environments
- IT Operations Staff interested in optimizing infrastructure performance and capacity
- Infrastructure Managers who aim to improve operational efficiency
- Data Centre Managers overseeing virtualized environments and cloud operations
- IT Consultants offering advisory services on VMware solutions
- VMware Technical Professionals seeking to deepen their vRealize Operations expertise
- Cloud Administrators involved with cross-cloud management and monitoring
- DevOps Engineers requiring operational insights into application and infrastructure performance
- Network Professionals needing visibility into the health and performance of network components
- Security Analysts focusing on compliance and the security posture of IT infrastructure
- Storage Administrators tasked with overseeing storage resources and performance within virtualized environments
- Virtualization Specialists aiming to specialize in VMware vRealize Operations tools and methodologies

Course Syllabus

Course Introduction

- Introduction and course logistics
- Course objectives

Introduction to vRealize Operations

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

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)

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

vRealize Operations Concepts

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

vRealize Operations Policies and Certificate Management

- 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

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
- 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

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

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

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

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

Custom Alert, Views, and Reports

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

Custom Dashboards

- Create 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

Super Metrics

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