vmware EDUCATION SERVICES

VMware Specialist: vRealize Operations 6.x Badge Exam (2VB-602)

Exam Preparation Guide

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Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) is a conceptualization of the certification candidate that possesses the minimum knowledge, skills, experience, and competence to just meet our expectations of a credentialed individual.

The MQC achieving the VMware vRealize Operations 2017 Specialist Badge is capable of vRealize Operations deployment, ongoing maintenance and administration, capacity management, basic troubleshooting and alerting, solution customizations with reports and dashboards and solution extensibility through End-Point Operations and management packs. This can be obtained through either the vRealize Operations: Install, Configure, Manage class or through hands-on experience with vRealize Operations in their own environment.

The MQC understands virtualization concepts and is aware of VMware products, underlying technologies, and solutions. The MQC is familiar with VMware solution domains (including vSphere, vSAN, NSX, vRealize Suite, Horizon 7 Suite, etc.).

Exam Sections

Section 1- vRealize Operations Manager User Interface

- Objective 1.1 – inventory trees
- Objective 1.2 – Dashboard Navigation
- Objective 1.3 – Environment page

Section 2 – vRealize Operations Manager Concepts

- Objective 2.1 – Explain how data is collected and analyzed by vRealize Operations Manager

Section 3 – Troubleshooting System Health Issues

- Objective 3.1 – Use views to gather information about the environment
- Objective 3.2 – Discuss vRealize Operations badges
- Objective 3.3 – Discuss the process for troubleshooting system health issues with dashboards
- Objective 3.4 – Troubleshoot system health issues with Alerts, Symptoms and Recommendations
- Objective 3.5 – Discuss Automated Action Framework

Section 4 – Capacity Planning

- Objective 4.1 – Discuss capacity planning models
- Objective 4.2 – Assess capacity risk in the environment
- Objective 4.3 – Troubleshoot risk and efficiency issues
- Objective 4.4 – Identify ways to optimize resource utilization in the environment
- Objective 4.5 – Use projects to perform what-if scenarios

Section 5 – Tags, Application Groups, and Custom Object Groups

- Objective 5.1 – Use tags and applications to group objects
- Objective 5.2 – Create custom groups and CDCs in the environment

Section 6 – Policies

- Objective 6.1 – Understand policy components and what can be changed in policies
- Objective 6.2 – Purposely omitted
- Objective 6.3 – Explain how policy inheritance works

Section 7 – Intelligent Workload Placement

- Objective 7.1 – Use workload placement to rebalance workloads across the environment
- Objective 7.2 – Identify scenarios that would benefit from workload placement

Section 8 – Custom Alerts

- Objective 8.1 – Create symptom definitions
- Objective 8.2 – Create recommendations and use actions
- Objective 8.3 – Create notifications
- Objective 8.4 – Create alert definitions

Section 9 – Custom Views and Reports

- Objective 9.1 – Describe the various types of views
- Objective 9.2 – Create views
- Objective 9.3 – Create reports

Section 10 – Custom Dashboards

- Objective 10.1 – Create custom dashboards
- Objective 10.2 – Configure widgets and widget interactions
- Objective 10.3 – Configure dashboard navigation
- Objective 10.4 – Manage dashboards

Section 11 – Super Metrics

- Objective 11.1 – Create super metrics

Section 12 – User Access Control

- Objective 12.1 – Create local users and user groups
- Objective 12.2 – Assign roles to local users and groups
- Objective 12.3 – Import users and user groups from an LDAP source

Section 13 – Operating System and Application Monitoring

- Objective 13.1 – Deploy EPOps operating system and application monitoring
- Objective 13.2 – Monitor operating systems and applications

Section 14 – Management Packs

- Objective 14.1 – Describe the components of a management pack and the value they deliver (extensibility)
- Objective 14.2 – Install and configure a management pack

Section 15 – Architecture, Scalability, and Availability

- Objective 15.1 – Describe the components of a vRealize Operations Manager node
- Objective 15.2 – Describe the roles in a vRealize Operations Manager cluster
- Objective 15.3 – Explain how a node's components interact to achieve scalability and availability

Section 16 – Deploying vRealize Operations Manager

- Objective 16.1 – Determine how to size a vRealize Operations Manager cluster
- Objective 16.2 – Install and configure a vRealize Operations Manager cluster
- Objective 16.3 – Monitor and manage a vRealize Operations Manager cluster

Sample Exam Questions

Sample Question 1

Which badge represents a ratio between the demand for resources and the usable capacity for a certain p eriod?

A. Workloads
B. Anomalies
C. Stress
D. Density

Sample Question 2

What is the default stress threshold?

A. 85% of capacity
B. 80% of capacity
C. 75% of capacity
D. 70% of capacity

Sample Question 3

Which two statements are true about custom groups and custom data centers (CDCs)? (Choose two.)

A. Only custom groups defined explicitly by users can be exported from or imported to vRealize Operations.
B. Only built-in groups defined explicitly by the system can be exported from or imported to vRealize Operations.
C. A custom data center is a user-defined container for a group of objects that includes clusters and hosts.
D. Custom data center objects CANNOT be used in vRealize Operations to balance the workloads across clusters in an environment.

Sample Question 4

Which statement is true regarding Notifications?

A. Outbound settings are not required when configuring Notifications.
B. Only one object can be selected within a scope filter.
C. Receiving Notifications requires a user account in vRealize Operations.
D. Outbound settings are required to be configured before Notifications can be used.

Sample Question 5

Which view type can display a grouping of data sets from a monitored environment as a bar chart?

A. Image
B. Distribution
C. Trend
D. Summary

Sample Question 6

Which two methods can be used to create super metrics? (Choose two.)

A. By navigating to Administration > Policies, editing a policy and adding it to Collect Metrics and Properties.
B. By using appropriate calls via the REST API or OPS CLI.
C. By selecting an existing metric on the All Metrics tab, right-clicking it and selecting Create Super Metric.
D. By navigating to Administration > Inventory Explorer and selecting the Create Super Metric icon.
E. By navigating to Content > Super Metrics and clicking the green plus icon.

Sample Question 7

How is access controlled to specific objects in vRealize Operations?

A. Within Authentication Sources, add or edit a user or group, then select Objects from the hierarchies.
B. Within Access Control, add or edit a role under permissions, then select Objects from the hierarchies.
C. Within Access Control, add or edit a user or group, then select Objects from the hierarchies.
D. Within Authentication Sources, add the Object Access role to a user or group.

Sample Question 8

Which two deployments could be used to achieve maximum amount of objects and metric collection suppo rted by vRealize Operations 6.5? (Choose two.)

A. 1 master node, 1 master replica node and 14 data nodes
B. 1 master node, 15 data nodes and 50 remote collectors
C. 1 master node and 15 data nodes
D. 1 master node, 1 data node (X-LARGE) and 50 remote collectors

Sample Question 9

What is the purpose of the vRealize Operations (vROps) master replica node?

A. vROps cluster configuration backup
B. Data collection and data storage
C. Recovery of any vROps cluster member that fails
D. Fault tolerance

Sample Question 10

When disabling high availability, which node type gets removed from the vRealize Operations Manager clu ster before the cluster restarts?

A. Master node
B. Data node
C. Remote collector node
D. Master replica node

Answer Key: 1-C; 2-D; 3-A and C; 4-D; 5-B; 6-B and E; 7-C; 8- B and C; 9-A; 10-D

Recommended Course

VMware vRealize Operations Manager: Install, Configure, Manage [V6.2] course

References

Manage Solution - VMware vSphere Solution Workspace Options

Monitoring Objects in Your Managed Environment by Using vRealize Operations Manager

About Installing

Reference Architecture

Cluster Requirements

VMware vRealize Operations Manager Information

Override Analysis Settings in Poilcy Workspace

Analyzing the Resources in Your Environment

Projects Scenarios Workspace

VMware vCloud Suite

vRealize Operations

vRealize Suite

Dashboards

Widgets

Views Overview

Create and Configure a View

Configuring Super Metrics

About Metrics and Super Metrics Symptoms

supermetric Command Operations

Managing Objects in Your Environment

Managing Custom Object Groups

Managing Application Groups

Custom Datacenters in VMware vRealize Operations Manager

vRealize Operations Manager 6.2 Release Notes

vRealize Operations Manager User Guide

Custom Profiles Details

Alert and Symptom Definitions Details

Analysis Settings Details

Collect Metrics and Properties Details

Workload Automation Details

vRealize Operations Manager 6.5 Sizing Guidelines (2148829)

Installation Types

Types of Alerts

About vRealize Operations Manager Cluster Nodes

vRealize Operations Manager Cluster and Node Maintenance

Create and Modify a Report Template

Report Templates Tab

Monitoring and Responding to Alerts

Investigating Object Alerts

Working with Actions That Use Power Off Allowed

Integration of Actions with vRealize Automation

List of vRealize Operations Manager Actions

Managing Agent Registration on vRealize Operations Manager Servers

Install Multiple Endpoint Operations Management Agents Simultaneously

Configure the Endpoint Operations Management Agent to vRealize Operations ManagerServer Communication Properties

Manually Create Operations System Objects

Customizing How Endpoint Operations Management Monitors Operating Systems

Installing Optional Solutions in vRealize Operations Manager

Configuring Policies

Create an Alert Definition for Department Objects

Defining Recommendations for Alert Definitions

Defining Symptoms for Alerts

Defining Alerts in vRealize Operations Manager

VMware vRealize Operations Manager 6.6 Help

Configuring Notifications

Actions Supported for Automation

https://blogs.vmware.com/management/2017/03/create-a-custom-vrops-dashboard.html

https://blogs.vmware.com/management/2016/02/vrealize-operations-6-2-intelligent-workload-placement-with-drs-2.html

Exam Content Contributors:

David Overbeek
Jack White
David Kruse
John Dias
Chris Lennon
Hicham Mourad
Maher AlAsfar
Gregg Parsons
Karl Fultz
Kyle Ruddy
Rick Evans
Eran Maor
Trey Lanier

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