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

Kod szkolenia: EDU-VROICM86

Wprowadzenie

This five-day, hands-on training course provides you with the knowledge and skills to deploy a VMware vRealize® Operations™ cluster that meets the monitoring requirements of your environment. This course includes advanced capabilities such as customizing alerts, views, reports, and dashboards and explains the architecture in vRealize Operations. This course explains application monitoring, certificates, capacity and cost concepts, and workload optimization with real-world use cases. This course covers troubleshooting using the workbench, alerts, and redefined dashboards and describes how to manage compliance and configurations. This course also covers several management packs.

Adresaci szkolenia

Intended Audience

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

Prerequisites

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

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

Product Alignment

VMware vSphere 7.0.3
VMware vRealize® Operations™ 8.6

Cel szkolenia

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

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

Czas i forma szkolenia

- 35 godzin (5 dni x 7 godzin), w tym wykłady i warsztaty praktyczne.

Plan szkolenia

1. Course Introduction

Introduction and course logistics
Course objectives

2. Introduction to vRealize Operations

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

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)

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

5. vRealize Operations Concepts

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

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

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

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

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

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

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

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

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

14. Super Metrics

Recognize the different types of super metrics
Create super metrics and associate them with objects
Enable super metrics in policies

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

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