VMware VRealize Operations: Install, Configure, Manage (V6.6)

Course Outline

1. Course Introduction
   - Introductions and course logistics
   - Course objectives

2. Introduction to vRealize Operations
   - Describe how vRealize Operations is used to manage the software-defined data center
   - Describe the features and benefits of vRealize Operations

3. vRealize Operations User Interface
   - Navigate the main areas of the user interface
   - Explain the importance of inventory trees
   - View widgets and dashboards on the Home page
   - View inventory trees and objects on the Environment page

4. vRealize Operations Concepts
   - Use views to gather information about the environment
   - Create reports about the environment
   - Explain how data is collected and analyzed by vRealize Operations
   - List the functions of the analytics component
   - Discuss key indicators in the user interface that provide warnings about potential issues
   - Use alerts to identify root causes for performance, capacity, and utilization issues
   - Use symptoms to indicate a potential issue
   - Use badges to visually analyze your environment to identify good or bad conditions for the entire environment

5. Troubleshooting System Health Issues
   - Discuss the process for troubleshooting system health issues
   - Troubleshoot system health alerts
   - Troubleshoot a user's performance issue
   - Use health weather maps and heat maps to monitor system health

6. Capacity Planning
   - Define capacity planning terminology
   - Discuss capacity planning models
   - Monitor for capacity risk in the environment
   - Troubleshoot risk issues
   - Troubleshoot efficiency issues
   - Identify ways to optimize resource use
   - Use projects to perform what-if scenarios

7. Tags, Application Groups, and Custom Object Groups
   - Use tags and applications to group objects
   - Create custom object groups in the environment

8. Policies

- List guidelines for customizing vRealize Operations
- Import and export content
- Create policies for various types of workloads
- Explain how policy inheritance works

9. Intelligent Workload Placement

- Identify scenarios that use intelligent workload placement
- Use intelligent workload placement to rebalance workloads across the environment
- Use policies to drive workload balance plan recommendations

10. Custom Alert Definitions

- Create symptom definitions
- Create recommendations and use actions
- Create actions
- Create notifications
- Create alert definitions

11. Custom Views

- Build and use custom views in your environment

12. Custom Dashboards

- Create custom dashboards
- Configure widgets
- Configure widget interactions
- Configure the Scoreboard widget to use a metric configuration file
- Configure dashboard navigation
- Specify the dashboard used on the Summary tab of an object
- Organize dashboards in folders
- Share dashboards

13. Super Metrics

- Create super metrics
- Enable super metrics in policies

14. User Access Control

- Explain how users are authorized to access objects
- Explain how privileges are prioritized when a user has multiple privileges
- Create local users and user groups
- Import users and user groups from an LDAP source

15. Operating System and Application Monitoring

- Deploy operating system and application monitoring
- Monitor operating systems and applications

16. Management Packs

- Explore the management packs that are available for your environment
- Install and configure a management pack

17. Architecture, Scalability, and Availability

- Describe the function of the components in a node
- Describe the roles in a vRealize Operations cluster

- Explain how a node's components interact to achieve scalability and availability

18. Deploying vRealize Operations
    - Install a vRealize Operations cluster
    - Configure a vRealize Operations cluster
    - Monitor the health of a vRealize Operations cluster
    - Generate a support bundle
    - View logs
    - Perform cluster management tasks