



**DO480- Multicluster Management with  
Red Hat OpenShift Platform Plus on ACMv2.4**

## **Chapter 1: Managing a Multicloud Kubernetes Architecture**

Section 1.1: The Kubernetes Multicloud and Hybrid Cloud Architecture Landscape

Section 1.2: Quiz: The Kubernetes Multicloud and Hybrid Cloud Architecture Landscape

Section 1.3: Describing Red Hat OpenShift Platform Plus

Section 1.4: Quiz: Describing Red Hat OpenShift Platform Plus

Section 1.5: Installing Red Hat Advanced Cluster Management for Kubernetes

Section 1.6: Guided Exercise: Installing Red Hat Advanced Cluster Management for Kubernetes

Section 1.7: Lab: Installing the RHACM Operator and importing clusters

Section 1.8: Summary

## **Chapter 2: Inspecting Resources from Multiple Clusters Using the RHACM Web Console**

Section 2.1: Navigating the RHACM Web Console

Section 2.2: Guided Exercise: Navigating the RHACM Web Console

Section 2.3: Configuring Access Control for Multicloud Management

Section 2.4: Guided Exercise: Configuring Access Control for Multicloud Management

Section 2.5: Lab: Managing Resources from Multiple Clusters Using the RHACM Web Console

Section 2.6: Summary

## **Chapter 3: Deploying and Managing Policies for Multiple Clusters with RHACM**

Section 3.1: Deploying and Managing Policies with RHACM

Section 3.2: Guided Exercise: Deploying and Managing Policies with RHACM

Section 3.3: Deploying and Configuring the Compliance Operator for Multiple Clusters Using RHACM

Section 3.4: Guided Exercise: Deploying and Configuring the Compliance Operator for Multiple Clusters Using RHACM

Section 3.5: Integration of Other Policy Engines with RHACM

Section 3.6: Guided Exercise: Integration of Other Policy Engines with RHACM

Section 3.7: Lab: Deploying and Managing Policies with RHACM

Section 3.8: Summary

## **Chapter 4: Installing and Customizing the RHACM Observability Stack**

Section 4.1: Installing the RHACM Observability Stack

Section 4.2: Guided Exercise: Installing the RHACM Observability Stack

Section 4.3: Customizing the RHACM Observability Stack

Section 4.4: Guided Exercise: Customizing the RHACM Observability Stack

Section 4.5: Lab: Installing and Customizing the RHACM Observability Stack

Section 4.6: Summary

## **Chapter 5: Deploying Applications Across Multiple Clusters with RHACM**

Section 5.1: Introducing RHACM GitOps and the Application Model

Section 5.2: Quiz: Introducing RHACM GitOps and the Application Model

Section 5.3: Managing Multicloud Application Resources with RHACM

Section 5.4: Guided Exercise: Managing Multicloud Application Resources with RHACM

Section 5.5: Customizing Resources with Kustomize for RHACM

Section 5.6: Guided Exercise: Customizing Resources with Kustomize for RHACM

Section 5.7: Lab: Managing Applications Across Multiple Clusters with RHACM

Section 5.8: Summary

## **Chapter 6: Installing and Configuring Red Hat Quay**

Section 6.1: Identifying the Components and Features of Red Hat Quay

Section 6.2: Quiz: Identifying the Components and Features of Red Hat Quay

Section 6.3: Deploying and Configuring Red Hat Quay

Section 6.4: Guided Exercise: Deploying and Configuring Red Hat Quay

Section 6.5: Describing the Red Hat Quay Repository Model and RBAC

Section 6.6: Guided Exercise: Describing the Red Hat Quay Repository Model and RBAC

Section 6.7: Lab: Installing and Configuring Red Hat Quay

Section 6.8: Summary

## **Chapter 7: Integrating Red Hat Quay with Red Hat OpenShift and RHACM**

Section 7.1: Describe Red Hat Quay Use Cases in a Multicloud Architecture

Section 7.2: Quiz: Describe Red Hat Quay Use Cases in a Multicloud Architecture

Section 7.3: Restricting Image Registry Sources

Section 7.4: Guided Exercise: Restricting Image Registry Sources

Section 7.5: Deploying from Red Hat Quay to the Cluster Fleet

Section 7.6: Guided Exercise: Deploying from Red Hat Quay to the Cluster Fleet

Section 7.7: Lab: Integrating Red Hat Quay with OpenShift and RHACM

Section 7.8: Summary

## **Chapter 8: Installing and Configuring RHACS**

Section 8.1: Security Considerations in Kubernetes Multicloud Environments

Section 8.2: Quiz: Security Considerations in Kubernetes Multicloud Environments

Section 8.3: Installing and Configuring RHACS

Section 8.4: Guided Exercise: Installing and Configuring RHACS

Section 8.5: Importing Managed Clusters into RHACS

Section 8.6: Guided Exercise: Importing Managed Clusters into RHACS

Section 8.7: Quiz: Installing and Configuring RHACS

Section 8.8: Summary

## **Chapter 9: Multicloud Operational Security Using RHACS**

Section 9.1: Integrating RHACS with External Registries

Section 9.2: Guided Exercise: Integrating RHACS with External Registries

Section 9.3: Perform Multicluster Vulnerability Management with RHACS

Section 9.4: Guided Exercise: Perform Multicluster Vulnerability Management with RHACS

Section 9.5: Multicluster Configuration Management with RHACS

Section 9.6: Guided Exercise: Multicluster Configuration Management with RHACS

Section 9.7: Lab: Multicluster Operational Security Using RHACS

Section 9.8: Summary

## **Chapter 10: Comprehensive Review**

Section 10.1: Comprehensive Review

Section 10.2: Lab: Configure RHACS, Red Hat Quay, and RHACM Observability Stack

Section 10.3: Lab: Deploy and Update an Application to Align with the RHACS Policy