

DO480

Multicluster Management with Red Hat OpenShift Platform Plus

Duration: 5 Days

Course description

Enhance container management capabilities with automation, governance, and security across clusters.

Multicluster Management with [Red Hat OpenShift Platform Plus](#) teaches the skills required to maintain a diverse portfolio of applications, running across a fleet of OpenShift clusters. Applications follow placement rules determined by capacity and criticality; cluster configurations comply with governance and security policies; all automated according to [DevOps](#) principles.

This course is based on Red Hat OpenShift Container Platform 4.10 and Red Hat Advanced Cluster Management 2.4.

Outline for this course

Manage a Multicluster Kubernetes Architecture

Describe multicluster architectures and use Red Hat OpenShift Platform Plus to solve their challenges.

Inspect Resources from Multiple Clusters Using the RHACM Web Console

Describe and navigate the Red Hat Advanced Cluster Management for Kubernetes (RHACM) web console. Configure role-based access control (RBAC) and search for resources across multiple clusters by using the RHACM search engine.

Deploy and Manage Policies for Multiple Clusters with RHACM

Deploy and manage policies in a multicluster environment by using Red Hat Advanced Cluster Management for Kubernetes (RHACM) governance.

Install and Customize the RHACM Observability Stack

Gain insight into the fleet of managed clusters by using Red Hat Advanced Cluster Management for Kubernetes (RHACM) observability components.

Deploy Applications Across Multiple Clusters with RHACM

Deploy and manage applications in a multicluster environment with Red Hat Advanced Cluster Management for Kubernetes GitOps.

Install and Configure Red Hat Quay

Install and configure Red Hat Quay on Red Hat OpenShift Container Platform (RHOCP).

Integrate Red Hat Quay with Red Hat OpenShift and RHACM

Describe Red Hat Quay use cases in a multicluster environment, and use Red Hat Advanced Cluster Management for Kubernetes (RHACM) to deploy applications and control the image sources allowed in the cluster fleet.

Install and Configure RHACS

Install and configure Red Hat Advanced Cluster Security for Kubernetes (RHACS) and learn how it can help organizations with security in multicluster environments.

Multicluster Operational Security Using RHACS

Manage the operational security of a Kubernetes cluster fleet using Red Hat Advanced Cluster Security for Kubernetes (RHACS), and integrate RHACS with external services.