

MULTICLUSTER MANAGEMENT WITH RED HAT OPENSIFT PLATFORM PLUS (DO480)

Course Code: 821729

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

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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

What You'll Learn

- Deploy Red Hat Advanced Cluster Management for Kubernetes (RHACM) in a hub cluster
- Add a managed cluster to RHACM (configure a cluster to be managed by RHACM)
- Define and apply cluster configuration policies.
- Detect and correct non-conformance to cluster configuration policies.
- Visualize and compare cluster settings between different clusters.
- Define and apply application placement policies.
- Identify and compare application resources from multiple clusters.
- Deploy Red Hat Quay in the hub cluster.
- Deploy Red Hat Advanced Cluster Security for Kubernetes (RHACS) in the hub cluster
- Integrate Red Hat Quay and RHACS with RHACM

Who Needs to Attend

- System Administrators, Developers, Site Reliability Engineers, and IT Architects interested in managing and automating the management of a fleet of OpenShift clusters, possibly in different data centers and cloud providers.

Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- Completing Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) and Red Hat Certified Specialist in OpenShift Administration exam (EX280) are strongly encouraged, or possessing equivalent basic Kubernetes and OpenShift administration skills
- The following are recommended, but optional:
- Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) is a course teaching cluster-wide configuration, logging, and monitoring, Ansible automation with OpenShift
- Red Hat OpenShift Installation Lab (DO322) teaches you how to install OpenShift using IPI and UPI
- Understand Ansible basics, including, writing and running simple playbooks or equivalent experience

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CLASSROOM LIVE

\$4,700 USD

4 Day

MULTICLUSTER MANAGEMENT WITH RED HAT OPENSIFT PLATFORM PLUS (DO480)

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VIRTUAL CLASSROOM LIVE

\$4,700 USD

5 Day

MULTICLUSTER MANAGEMENT WITH RED HAT OPENSIFT PLATFORM PLUS (DO480)

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ON-DEMAND

\$3,995 USD

On-Demand Outline

Manage a Multicenter Kubernetes Architecture.

- Describe multicenter 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 multicenter 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 multicenter 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 multicenter 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.

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