

Red Hat Advanced Cluster Management for Kubernetes (DO432)

Duration: 3 Days **Course Code: DO432** **Delivery Method: Virtual Learning**

Overview:

Address challenges with management, compliance, and productivity of a multicluster Kubernetes environment and its applications by using the capabilities of Red Hat Advanced Cluster Management for Kubernetes.

Multicluster Management with Red Hat Advanced Cluster Management for Kubernetes (RHACM) teaches the required skills to manage a fleet of containerized applications and Kubernetes clusters, by automating compliance with security, governance, and other organization policies, and by implementing GitOps practices.

This course supports IT Operations and Development teams whose organizations are expanding and accelerating their container adoption journeys.

The course enables organizations to securely and consistently apply governance, security, and application placement policies across multiple Kubernetes clusters. Organizations will benefit through increased automation of cluster, application, and virtual machine lifecycles at scale, all from a unified point of control.

Note: Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.

When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.

Your RHLS subscription includes:

- One live, instructor-led virtual session
- 12 months of self-paced learning access
- One certification exam with a free retake

Onsite Classroom-based sessions and closed course options remain unchanged.

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Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

IT Operations personnel who are responsible for managing the lifecycle and monitoring the usage of multiple clusters. DevOps and Site Reliability Engineers who are responsible for monitoring the health of clusters and Kubernetes deployments and for maximizing their uptime. These individuals also automate the provisioning or deprovisioning of clusters and the workload placement based on capacity and policy. Security Operations personnel who are responsible for ensuring that Kubernetes deployments comply with regulatory and organizational standards. These individuals create security policies across diverse environments and ensure enforcement.

Objectives:

- After this course participants should be able to:
 - Monitor a fleet of managed clusters and troubleshoot performance and availability issues by using RHACM observability components.
 - Deploy and manage applications in a multicluster environment by using RHACM and GitOps.
 - Deploy and manage virtual machines in a multicluster environment by using RHACM and GitOps.
- Describe and implement the RHACM architecture and its components, and follow recommended practices for its installation.
- Import and manage a cluster by using the RHACM web console, configure user access to clusters, and troubleshoot common import issues.
- Deploy and manage policies in a multicluster environment by using RHACM governance.

Prerequisites:

- Completing Red Hat OpenShift Administration II: Configuring a

Testing and Certification

- Red Hat Certified Specialist in OpenShift Advanced Cluster

Production Kubernetes Cluster (DO280) and Red Hat Certified OpenShift Administrator exam (EX280) are strongly encouraged, or possessing equivalent Kubernetes and OpenShift administration skills.

The following optional courses are recommended:

- Red Hat OpenShift Administration III: Scaling Deployments in the Enterprise (DO380) is a course on how to configure and manage OpenShift clusters at scale to address increasing and complex demands from applications and to ensure reliability, performance, and availability.
- Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316) covers the essential skills to create and manage virtual machines on OpenShift by using the Red Hat OpenShift Virtualization operator.

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills [Red Hat Skills Assessment](#).

- DO280 - Red Hat OpenShift Administration II: Configuring a Production Cluster

Management (EX432)

Follow-on-Courses:

None

Content:

Installing Red Hat Advanced Cluster Management for Kubernetes

- Describe and implement the RHACM architecture and its components, and follow recommended practices for its installation.

Managing Clusters by Using Red Hat Advanced Cluster Management for Kubernetes

- Import and manage a cluster by using the RHACM web console, configure user access to clusters, and troubleshoot common import issues.

Deploying and Managing Policies for Multiple Clusters with Red Hat Advanced Cluster Management for Kubernetes

- Deploy and manage policies in a multicluster environment by using RHACM governance.

Enabling and Customizing the Red Hat Advanced Cluster Management for Kubernetes Observability Stack

- Monitor a fleet of managed clusters and troubleshoot performance and availability issues by using RHACM observability components.

Managing the Multicluster Application Lifecycle by Using GitOps Practices and Red Hat Advanced Cluster Management for Kubernetes

- Deploy and manage applications in a multicluster environment by using RHACM and GitOps.

Managing Virtual Machines for Multiple Clusters with Red Hat Advanced Cluster Management for Kubernetes

- Deploy and manage virtual machines in a multicluster environment by using RHACM and GitOps.

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/