Multicluster Management with Red Hat OpenShift Platform Plus (DO480)

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: EX280; DO280; DO480

Course Overview

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.

About This Course

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.

Who Should 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 & Entry Requirements

General Prerequisites:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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.

Detailed Course Outline

1 - Manage a Multicluster Kubernetes Architecture

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

2 - 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.

3 - 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.

4 - 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.

5 - Deploy Applications Across Multiple Clusters with RHACM

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

6 - Install and Configure Red Hat Quay

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

7 - 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.

8 - 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.

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

9 - Multicluster Operational Security Using RHACS

- Manage the operational security of a Kubernetes cluster fleet using Red Hat Advanced Cluster Security for Kubernetes (RHACS)

Additional Course Details

Nexus Humans Multicluster Management with Red Hat OpenShift Platform Plus (DO480) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Multicluster Management with Red Hat OpenShift Platform Plus (DO480) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Multicluster Management with Red Hat OpenShift Platform Plus (DO480)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: Which exam does this course prepare me for?

This course prepares you for the EX280; DO280; DO480 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Multicluster Management with Red Hat OpenShift Platform Plus (DO480) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Multicluster Management with Red Hat OpenShift Platform Plus (DO480) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Multicluster Management with Red Hat OpenShift Platform Plus (DO480)?

Yes, we provide corporate training, dedicated training, and closed classes for Multicluster Management with Red Hat OpenShift Platform Plus (DO480). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Multicluster Management with Red Hat OpenShift Platform Plus (DO480)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Multicluster Management with Red Hat OpenShift Platform Plus (DO480) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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