Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289)

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: DO289; Cloud-native

Course Overview

This course will enhance your understanding of containers as a key technology for configuring and deploying applications and microservices. As the second course in the OpenShift development track, this offering will teach you how to design, build, and deploy containerized software applications to an OpenShift cluster. Whether you re writing container-native applications or migrating existing brownfield applications, you ll learn how to boost developer productivity powered by Red Hat® OpenShift Container Platform, a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes. This course is based on Red Hat OpenShift Container Platform 4.1.

About This Course

This course will enhance your understanding of containers as a key technology for configuring and deploying applications and microservices. As the second course in the OpenShift development track, this offering will teach you how to design, build, and deploy containerized software applications to an OpenShift cluster. Whether you re writing container-native applications or migrating existing brownfield applications, you ll learn how to boost developer productivity powered by Red Hat® OpenShift Container Platform, a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes. This course is based on Red Hat OpenShift Container Platform 4.1.

Who Should Attend

This class is intended for Software developers interested in adopting containers as a preferred method for deploying applications and Software architects interested in adopting containers as a preferred method for deploying applications.

Learning Outcomes

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

This course is intended to develop the skills needed to containerize software applications and deploy them to a Red Hat® OpenShift Container Platform cluster. - These skills allow you to take advantage of a platform and architecture that fosters DevOps principles in your organization. - Red Hat OpenShift Container Platform provides a self-provisioning environment for developers to deploy their applications using DevOps patterns such as continuous integration and deployment.

Detailed Course Outline

1 - DEPLOY AND MANAGE APPLICATIONS ON AN OPENSHIFT CLUSTER

- Deploy an application to an OpenShift Cluster.

2 - DESIGN CONTAINERIZED APPLICATIONS FOR OPENSHIFT

- Build container images with advanced Dockerfile directives.

3 - PUBLISH ENTERPRISE CONTAINER IMAGES

- Create an enterprise registry and allow access to the OpenShift registry.

4 - BUILD APPLICATIONS

- Describe the OpenShift build process and implement post-commit build hooks.

5 - CUSTOMIZE SOURCE-TO-IMAGE BUILDS

- Customize an existing S2I base image.

6 - CREATE APPLICATIONS FROM OPENSHIFT TEMPLATES

- Describe the elements of an OpenShift template and create a multi-container template.

7 - MANAGE APPLICATION DEPLOYMENTS

- Monitor application health and select the appropriate deployment strategy.

8 - MIGRATE APPLICATIONS TO OPENSHIFT

- Integrate external services and migrate applications deployed on Red Hat JBoss Middleware.

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Additional Course Details

Nexus Humans Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289) 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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289) 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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289)?

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 DO289; Cloud-native 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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289) 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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289) 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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289). 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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289)?

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 Red Hat OpenShift Development II: Containerizing Applications with Exam (DO289) 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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