Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS)

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

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications; OpenShift; DO288

Course Overview

Design, build, and deploy containerized applications on Red Hat OpenShift. Red Hat OpenShift Developer II: Building Kubernetes Applications (DO288) teaches you how to design, build, and deploy containerized software applications on an OpenShift cluster Whether you are migrating existing applications or writing container-native applications, you will 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. The skills you learn in this course can be applied using all versions of Red Hat OpenShift, including Red Hat OpenShift on AWS (ROSA), Azure Red Hat OpenShift (ARO), and Red Hat OpenShift Container Platform. This course is based on Red Hat OpenShift 4.18. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

About This Course

Design, build, and deploy containerized applications on Red Hat OpenShift. Red Hat OpenShift Developer II: Building Kubernetes Applications (DO288) teaches you how to design, build, and deploy containerized software applications on an OpenShift cluster Whether you are migrating existing applications or writing container-native applications, you will 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. The skills you learn in this course can be applied using all versions of Red Hat OpenShift, including Red Hat OpenShift on AWS (ROSA), Azure Red Hat OpenShift (ARO), and Red Hat OpenShift Container Platform. This course is based on Red Hat OpenShift 4.18. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

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.

Prerequisites & Entry Requirements

General Prerequisites:

- Complete Red Hat OpenShift I: Containers & Kubernetes (DO188), or have equivalent knowledge. RHCSA or higher is helpful for navigation and usage of the command line, but it is not required.

Learning Outcomes

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

Features for developers in the Red Hat OpenShift web console Building and publishing container images for Red Hat OpenShift Managing container deployments on Red Hat OpenShift Create and deploy multi-container applications on Red Hat OpenShift Deploy multi-container applications using Helm Charts and Kustomize Create health checks to monitor and improve application reliability Creating CI/CD Workflows using Red Hat OpenShift Pipelines

Detailed Course Outline

1 - Red Hat OpenShift Container Platform for Developers

- Define the Red Hat OpenShift architecture, concepts and terminology, and set up the developer environment.

2 - Deploying Simple Applications

- Deploy simple applications by using the Red Hat OpenShift web console and command-line tools.

3 - Building and Publishing Container Images

- Build, deploy and manage the lifecycle of container images by using a container registry.

4 - Managing Red Hat OpenShift Builds

- Describe the Red Hat OpenShift build process and build container images.

5 - Managing Red Hat OpenShift Deployments

- Describe the different Red Hat OpenShift deployment strategies and how to monitor the health of applications.

6 - Deploying Multi-container Applications

- Deploy multi-container applications by using Red Hat OpenShift templates, Helm charts, and Kustomize.

7 - Continuous Deployment using Red Hat OpenShift Pipelines

- Implement CI/CD workflows by using Red Hat OpenShift Pipelines.

Frequently Asked Questions

Q: What delivery options are available for Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS)?

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 Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications; OpenShift; DO288 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 4-day Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS). 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 Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS)?

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 Developer II: Building and Deploying Cloud-native Applications - Red Hat Learning Subscription Course (DO288LS) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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