skillsoft
global
knowledge.

redhat
PREMIER
PARTNER

Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications with Exam

Duration: 5 Days   Course Code: DO289   Delivery Method: Virtual Learning

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 a Red Hat 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, 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 4.14.
Following course completion, you will receive a 45-day extended access to hands-on labs for any course that includes a virtual environment.
Note: This course is offered as a four day in classroom, a five day virtual class or self-paced. This course is a bundle of DO288 and Exam EX288.
Updated July 2025

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:

Software developers who target certificationSoftware architects who target certification

Objectives:

- After this course participants should be able to:

- Understand features for developers in the Red Hat OpenShift web console.

- Build and publishing container images for Red Hat OpenShift.

- Manage 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.

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.

Testing and Certification

-

Follow-on-Courses:

- Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328)
- Red Hat Cloud-native Microservices Development with Quarkus (DO378)
- Developing Applications with Red Hat OpenShift Serverless and Knative (DO244)
- Introduction to Red Hat OpenShift Service on AWS (CS120)
- Introduction to Microsoft Azure Red Hat OpenShift (DO121)

Content:

Red Hat OpenShift Container Platform for Developers

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

Deploying Simple Applications

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

Building and Publishing Container Images

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

Managing Red Hat OpenShift Builds

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

Managing Red Hat OpenShift Deployments

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

Deploying Multi-container Applications

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

Continuous Deployment by Using Red Hat OpenShift Pipelines

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

Additional Information:

Official course book provided to participants.
Exam voucher with a free retake provided with this bundle

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK