

# RED HAT OPENSIFT DEVELOPER II: BUILDING AND DEPLOYING CLOUD-NATIVE APPLICATIONS WITH EXAM (DO289)

Course Code: 9889

Design, build, and deploy containerized applications on an OpenShift cluster Red Hat® OpenShift Container Platform provides developers an enterprise-ready solution for developing and deploying containerized software applications. Red Hat OpenShift Development I: Containerizing Applications provides hands-on training to boost developer productivity powered by Red Hat OpenShift Container Platform.

This class will teach you to design, build, and deploy containerized applications on an OpenShift cluster

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This course is based on Red Hat OpenShift Container Platform 3.6 and includes Red Hat Certified Specialist in OpenShift Application Development Exam (EX288, EX288K ).

## What You'll Learn

In this course, you will learn how to design, build, and deploy containerized software applications on an OpenShift cluster. Whether writing container-native applications or migrating existing applications, this course provides hands-on training to boost developer productivity powered by Red Hat® OpenShift Container Platform.

## Course summary

- Deploy applications from container images, Dockerfiles, and source code to an OpenShift cluster.
- Manage applications using the OpenShift web console and the OpenShift CLI.

- Inject configuration data and secrets into an application.
- Publish application container images to an external registry.
- Manage application builds and build hooks.
- Create application from templates.
- Manage application deployments.
- Monitor application health using probes.
- Migrate applications to containers and microservices.

## Who Needs to Attend

- Software developers interested in adopting containers as a preferred method for deploying applications
- Software architects interested in adopting containers as a preferred method for deploying applications

## Prerequisites

Red Hat recommends these prerequisites:

- Have completed the Introduction to Containers, Kubernetes, and Red Hat OpenShift course (DO180), or have equivalent knowledge
- Being a [Red Hat Certified System Administrator](#) or having earned a higher certification is helpful for navigation and usage of the command line, but is not required

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CLASSROOM LIVE

\$4,541 USD

4 Day

## Classroom Live Outline

### **Deploy and manage applications on an OpenShift cluster**

Deploy an application to an OpenShift Cluster.

### **Design containerized applications for OpenShift**

Build container images with advanced Dockerfile directives.

### **Publish enterprise container images**

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

### **Build applications**

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

### **Customize Source-to-Image builds**

Customize an existing S2I base image.

### **Create applications from OpenShift templates**

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

### **Manage application deployments**

Monitor application health and select the appropriate deployment strategy.

### **Migrate applications to OpenShift**

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

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, contact your Account Manager or call 1-800-COURSES.



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PRIVATE GROUP TRAINING

4 Day

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