

# 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

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 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

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

Course Code: 9889

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.



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

Course Code: 9889

PRIVATE GROUP TRAINING

4 Day

Visit us at [www.globalknowledge.com](http://www.globalknowledge.com) or call us at 1-866-716-6688.

Date created: 4/24/2026 1:51:13 PM

Copyright © 2026 Global Knowledge Training LLC. All Rights Reserved.