

RED HAT OPENSIFT DEVELOPER II: BUILDING AND DEPLOYING CLOUD-NATIVE APPLICATIONS (DO288)

Course Code: 9792

DO288 - 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.

What You'll Learn

After completing this course, learners 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.

Who Needs to Attend

- This course is intended for Developers and Architects.

Prerequisites

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

Confirmation of the correct skill set knowledge can be obtained by passing the online skills assessment at [Red Hat Skills Assessment](#)

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CLASSROOM LIVE

\$4,700 USD

4 Day

Classroom Live Outline

Deploy and manage applications on an OpenShift cluster

- Deploy applications using various application packaging methods to an OpenShift cluster and manage their resources.

Design containerized applications for OpenShift

- Select a containerization method for an application and create a container to run on an OpenShift cluster.

Publish enterprise container images

- Create an enterprise registry and publish container images to it.

Manage builds on OpenShift

- Describe the OpenShift build process, in addition to triggering and managing builds.

Customize source-to-image builds

- Customize an existing S2I base image and create a new one.

Deploy multi-container applications

- Deploy multi-container applications using Helm charts and Kustomize.

Manage application deployments

- Monitor application health and implement various deployment methods for cloud-native applications.

Build applications for OpenShift

- Create, deploy, and integrate third-party applications on OpenShift.

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VIRTUAL CLASSROOM LIVE

\$4,700 USD

5 Day

Virtual Classroom Live 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 by Using Red Hat OpenShift Pipelines**
 - Implement CI/CD workflows by using Red Hat OpenShift Pipelines.

Virtual Classroom Live Labs

- Labs are provided by RedHat for this course

Sep 8 - 12, 2025 | 11:00 AM - 5:00 PM EDT

Oct 20 - 24, 2025 | 11:00 AM - 5:00 PM EDT

Dec 8 - 12, 2025 | 11:00 AM - 5:00 PM EST

Feb 9 - 13, 2026 | 11:00 AM - 5:00 PM EST

Mar 30 - Apr 3, 2026 | 11:00 AM - 5:00 PM EDT

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ON-DEMAND

\$3,995 USD

On-Demand 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 by Using Red Hat OpenShift Pipelines**
 - Implement CI/CD workflows by using Red Hat OpenShift Pipelines.

On-Demand Labs

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PRIVATE GROUP TRAINING

4 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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