

# Red Hat OpenShift Developer II: Building Kubernetes Applications

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<b>Code:</b>	DO288
<b>Length:</b>	4 days
<b>URL:</b>	<a href="#">View Online</a>

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Red Hat OpenShift Development II: Containerizing 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.

This course is based on Red Hat OpenShift Container Platform 4.6.

## Skills Gained

- Design containerized applications for OpenShift.
- Manage and trigger application builds using Source-to-Image (S2I).
- Customize an existing source-to-image base image.
- Deploy multi-container applications using Helm Charts.
- Create health checks to monitor and improve application reliability.
- Create and deploy cloud-native applications on OpenShift.

## Who Can Benefit

- Enterprise application developers
- DevOps site reliability engineers

## Prerequisites

- [Take our free assessment](#) to gauge whether this offering is the best fit for your skills.
- Complete Red Hat OpenShift I: Containers & Kubernetes (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

## Course Details

### 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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