

# Red Hat OpenShift Development II: Containerizing 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 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.

## Skills Gained

- 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 Can Benefit

- 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

- 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

## Course Details

### 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.