



# Containers, Kubernetes, and Red Hat OpenShift Development II

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<b>Code:</b>	DO295
<b>Length:</b>	5 days
<b>URL:</b>	<a href="#">View Online</a>

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Accelerated hands-on training to boost developer productivity powered by Red Hat OpenShift

Containers, Kubernetes, and Red Hat OpenShift Development II (DO295) teaches you how to design, build, and deploy containerized software applications to an OpenShift® cluster. Whether you are tasked with writing container-native applications or migrating existing brownfield applications, this course provides hands-on training to boost developer productivity powered by Red Hat OpenShift. This course is based on OpenShift Container Platform 4.6.

## Skills Gained

- Explore container and OpenShift architecture
- Create containerized services
- Manage containers and container images
- Build custom container images
- Manage and trigger application builds
- Customize an existing source-to-image base image
- Develop an OpenShift template
- Generate health checks to monitor and improve application reliability

## Who Can Benefit

- Developers who wish to containerize software applications.
- Administrators who are new to container technology and container orchestration.
- Architects who are considering using container technologies in software architectures.
- Site reliability engineers who are considering using Kubernetes and OpenShift.

## Prerequisites

Recommended:

- Be able to use a Linux terminal session, issue operating system commands, and be familiar with shell scripting
- Have experience with web application architectures and their corresponding technologies
- Being a Red Hat Certified System Administrator is recommended, but not required

## Course Details

### Course Outline

- Introduction to container technology
- Create containerized services
- Manage containers
- Manage container images
- Create custom container images
- Deploy containerized applications on OpenShift
- Troubleshoot containerized applications
- Deploy and manage applications on an OpenShift cluster
- Design containerized applications for OpenShift
- Publish enterprise container images
- Build applications
- Customize source-to-image (S2I) builds
- Create applications from OpenShift templates
- Manage application deployments
- Perform comprehensive review

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## Schedule (as of 3 )

Date	Location
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