

# Video Classroom: Red Hat OpenShift Development I: Containerizing Applications («DO288S»)

Learn to design, build, and deploy containerized applications on an OpenShift cluster.

Price: 2'750.–

## Content

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.

- **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 building applications**
  - 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
- **Create applications from OpenShift templates**
  - Describe the elements of a template and create a multicontainer application template
- **Manage application deployments**
  - Monitor application health and implement various deployment methods for cloud-native applications
- **Implement CI/CD pipelines in OpenShift**
  - Create and deploy Jenkins pipelines to facilitate continuous integration and continuous deployment (CI/CD) with OpenShift
- **Build cloud-native applications on OpenShift**
  - Create and deploy cloud-native applications on OpenShift

## Key Learnings

- Managing and triggering application builds
- Customizing an existing source-to-image base image
- Creating an OpenShift template
- Creating health checks to monitor and improve application reliability
- Creating and deploying a Jenkins pipeline for continuous integration and continuous deployment
- Creating and deploying cloud-native application for OpenShift

Video Classroom presents a dynamic, self-paced video training of our most experienced Red Hat certified instructors, recorded in high definition (HD) video, that gives you that "in-classroom" setting without incurring travel costs and risking time away from the office.

You get 90 days of unlimited access to course videos, 80 hours of cloud-lab access, full and searchable transcripts, high-quality, hands-on lab environments, email support, video functionality, and eBooks with your course content.

## Target audience

This course is aimed at enterprise application developers as well as site reliability engineers.

## Additional information

This course is based on Red Hat OpenShift Container Platform 4.2.

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-digital-transformation-technologies/cloud/red-hat/red-hat-open-shift/video-learning-video-classroom-red-hat-openshift-development-i-containerizing-applications](https://www.digicomp.ch/courses-digital-transformation-technologies/cloud/red-hat/red-hat-open-shift/video-learning-video-classroom-red-hat-openshift-development-i-containerizing-applications)