

# Red Hat OpenShift Development I: Intro to Containers with Podman («DO188»)

A developer introduction to building and managing containers with Podman for deploying applications on Red Hat OpenShift Container Platform.

**Duration:** 3 days

**Price:** 2'800.–

## Content

Red Hat OpenShift Development I: Introduction to Containers with [Podman \(DO188\)](#) introduces students to building, running, and managing containers with Podman and [Red Hat OpenShift Container Platform](#). This course helps students build the core skills for developing containerized applications through hands-on experience.

### Outline:

#### Introduction and overview of containers

- Describe how containers facilitate application development.

#### Podman basics

- Manage and run containers with Podman.

#### Container images

- Navigate container registries to find and manage container images.

#### Custom container images

- Build custom container images to containerize applications.

#### Persisting data

- Build persistent databases.

#### Container networking

- Describe basic container networking and how to access containerized services.

#### Troubleshooting containers

- Analyze container logs and configure a remote debugger.

#### Multi-container applications with compose

- Run multi-container applications using Compose.

#### Container orchestration with Kubernetes and OpenShift

- Orchestrate containerized applications with Kubernetes and OpenShift.

## Key Learnings

- Introduction to containers
- Run containers with Podman
- Build custom container images
- Manage container images
- Remote debugging with containers
- Basic container networking
- Persist data with containers
- Run multi-container applications
- Troubleshoot Container Deployments
- Orchestrate containers with OpenShift and Kubernetes

## Target audience

Developers and [Site Reliability Engineers](#) that are new to container technology.

## Requirements

- Some experience with web application architectures and their corresponding technologies.
- Experience in the use of a Linux terminal session, issuing operating system commands, and familiarity with shell scripting is recommended.
- [Getting Started with Linux Fundamentals \(«RH104»\)](#)

## Further courses

- [Red Hat OpenShift Development II: Containerizing Applications \(«DO288»\)](#)

## 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-it-provider/red-hat/red-hat-open-shift/course-red-hat-openshift-development-i-intro-to-containers-with-podman](http://www.digicomp.ch/courses-it-provider/red-hat/red-hat-open-shift/course-red-hat-openshift-development-i-intro-to-containers-with-podman)