

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. 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