

Red Hat OpenShift Development I: Introduction to Containers with Podman

Duration: 4 Days Course Code: DO188

Overview:

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

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.

This course is based on Red Hat® Enterprise Linux® 8.6 and OpenShift® Container Platform 4.10.

Target Audience:

Developers and Site Reliability Engineers that are new to container technology.

Objectives:

- 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

Prerequisites:

- 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.

Follow-on-Courses:

- DO288 - Red Hat OpenShift Developer II: Building Kubernetes Applications

Content:

Introduction and overview of containers	Custom container images	Troubleshooting containers
Describe how containers facilitate application development.	Build custom container images to containerize applications.	Analyze container logs and configure a remote debugger.
Podman basics	Persisting data	Multi-container applications with compose
Manage and run containers with Podman.	Build persistent databases.	Run multi-container applications using Compose.
Container images	Container networking	Container orchestration with Kubernetes and OpenShift
Navigate container registries to find and manage container images.	Describe basic container networking and how to access containerized services.	Orchestrate containerized applications with Kubernetes and OpenShift.

Additional Information:

Technology considerations Requires internet connection.

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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