

# RED HAT OPENSIFT DEVELOPMENT I: INTRODUCTION TO CONTAINERS WITH PODMAN (DO188)

Course Code: 821720

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

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.

## What You'll Learn

- 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

## Who Needs to Attend

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

## Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- 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.



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VIRTUAL CLASSROOM LIVE

\$3,525 USD

4 Day

Apr 21 - 24, 2025 | 11:00 AM - 5:00 PM EDT

May 5 - 8, 2025 | 11:00 AM - 5:00 PM EDT

Jun 2 - 5, 2025 | 11:00 AM - 5:00 PM EDT

Jun 23 - 26, 2025 | 11:00 AM - 5:00 PM EDT

Aug 4 - 7, 2025 | 11:00 AM - 5:00 PM EDT

Sep 15 - 18, 2025 | 11:00 AM - 5:00 PM EDT

Nov 3 - 6, 2025 | 11:00 AM - 5:00 PM EST

Dec 15 - 18, 2025 | 11:00 AM - 5:00 PM EST

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ON-DEMAND

\$2,996 USD

## On-Demand 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.

### **Container Networking**

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

### **Persisting Data**

- Build persistent databases.

### **Custom Container Images**

- Build custom container images to containerize applications.

### **Multi-container Applications with Compose**

- Run multi-container applications using Compose.

### **Troubleshooting Containers**

- Analyze container logs and configure a remote debugger.

### **Container Orchestration with Kubernetes and OpenShift**

- Orchestrate containerized applications with Kubernetes and OpenShift.

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