Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS)

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Related Exam:	Red Hat OpenShift Development I: Introduction to Containers with Podman; OpenShift; DO188

Course Overview

A developer introduction to building and managing containers with Podman for deploying applications on Red Hat OpenShift. 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. This course helps students build the core skills for developing containerized applications through hands-on experience. These skills can be applied using all versions of OpenShift, including Red Hat OpenShift on AWS (ROSA), Azure Red Hat OpenShift, and OpenShift Container Platform. This course is based on Red Hat® Enterprise Linux® 9, Podman 4.4 and Red Hat OpenShift® 4.14. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

About This Course

A developer introduction to building and managing containers with Podman for deploying applications on Red Hat OpenShift. 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. This course helps students build the core skills for developing containerized applications through hands-on experience. These skills can be applied using all versions of OpenShift, including Red Hat OpenShift on AWS (ROSA), Azure Red Hat OpenShift, and OpenShift Container Platform. This course is based on Red Hat® Enterprise Linux® 9, Podman 4.4 and Red Hat OpenShift® 4.14. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

Who Should Attend

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

Prerequisites & Entry Requirements

General 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.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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

Detailed Course Outline

1 - Introduction and overview of containers

- Describe how containers facilitate application development.

2 - Podman basics

- Manage and run containers with Podman.

3 - Container images

- Navigate container registries to find and manage container images.

4 - Custom container images

- Build custom container images to containerize applications.

5 - Persisting data

- Build persistent databases.

6 - Container networking

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

7 - Troubleshooting containers

- Analyze container logs and configure a remote debugger.

8 - Multi-container applications with compose

- Run multi-container applications using Compose.

9 - Container orchestration with Kubernetes and OpenShift

- Orchestrate containerized applications with Kubernetes and OpenShift.

Frequently Asked Questions

Q: What delivery options are available for Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: Which exam does this course prepare me for?

This course prepares you for the Red Hat OpenShift Development I: Introduction to Containers with Podman; OpenShift; DO188 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat OpenShift Development I: Introduction to Containers with Podman - Red Hat Learning Subscription Course (DO188LS) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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