Red Hat OpenShift Development I: Introduction to Containers with Podman and exam (EX188)

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
Certification:	Red Hat Certified Specialist in Containers
Related Exam:	EX188

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 Container Platform. This course helps students build the core skills for developing containerized applications through hands-on experience. The Red Hat Certified Specialist in Containers exam (EX188) is included in this offering.

This course is based on Red Hat® Enterprise Linux® 9, Podman 4.4 and Red Hat OpenShift® 4.14.

About This Course

- Introduction to containers
- Run containers with Podman CLI and Podman Desktop
- 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 Should Attend

- Developers and Site Reliability Engineers that are new to container technology
- System administrators and platform operators who are interested in managing OpenShift clusters and containerized applications should enroll in Red Hat OpenShift Administration I: Operating a Production Cluster (DO180)

Prerequisites & Entry Requirements

General 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

Learning Outcomes

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

Impact on the organization

A container-based architecture improves application reliability, scalability, and facilitates continuous integration and continuous deployment. This course provides the foundation needed for OpenShift development and is the entrypoint to digital transformation through application containerization.

Impact on the individual

As a result of attending this course, you will understand the foundations of container-based application development. You will be able to run, manage, and troubleshoot containerized applications. This course is the starting point for the OpenShift developer curriculum and provides the foundation you will need to advance to cloud-native developer courses.

Detailed Course 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

Run database containers with persistence.

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.

Certification Path

Red Hat Certified Specialist in Containers

Exam: EX188

Skills You Will Learn:

Impact on the organization

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Frequently Asked Questions

Q: What delivery options are available for Red Hat OpenShift Development I: Introduction to Containers with Podman and exam (EX188)?

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: What certification does this course prepare me for?

The Red Hat OpenShift Development I: Introduction to Containers with Podman and exam (EX188) course helps prepare you for the Red Hat Certified Specialist in Containers certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the EX188 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 and exam (EX188) 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 and exam (EX188) 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 and exam (EX188)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat OpenShift Development I: Introduction to Containers with Podman and exam (EX188). 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: What related terms do people search for?

Popular related searches include: Red Hat OpenShift Development I: Introduction to Containers with Podman and exam, OpenShift Development, DO189

Q: Why choose Nexus Human for Red Hat OpenShift Development I: Introduction to Containers with Podman and exam (EX188)?

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 and exam (EX188) 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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