

## Red Hat OpenShift Development I: Introduction to Containers with Podman

**Duration:** 3 Days    **Course Code:** DO188    **Delivery Method:** Virtual Learning

### 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 (ARO), and OpenShift Container Platform.

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.

This course is based on Red Hat® Enterprise Linux® 9, Podman 5 and Red Hat OpenShift® 4.18.

**Note:** Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.

When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.

Your RHLS subscription includes:

- One live, instructor-led virtual session
- 12 months of self-paced learning access
- One certification exam with a free retake

*Onsite Classroom-based sessions and closed course options remain unchanged.*

Updated Jan2026

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

### Target Audience:

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

### Objectives:

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|-----------------------------------------------------|--------------------------------------------------------|
| ■ After this course participants should be able to: | ■ Understand Basic container networking                |
| ■ Understand containers                             | ■ Persist data with containers                         |
| ■ Run containers with Podman CLI and Podman Desktop | ■ Run multi-container applications                     |
| ■ Build custom container images                     | ■ Troubleshoot Container Deployments                   |
| ■ Manage container images                           | ■ Orchestrate containers with OpenShift and Kubernetes |
| ■ Remote debugging with containers                  |                                                        |

### Prerequisites:

- Some experience with web application architectures and their corresponding technologies is expected
- Experience in the use of a Linux terminal session, issuing operating system commands, and familiarity with shell scripting is recommended

### Testing and Certification

- Red Hat Certified Specialist in Containers Exam (EX188)

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills [Red Hat Skills Assessment](#)

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### Follow-on-Courses:

- Red Hat OpenShift Development II: Containerizing Applications (DO288)
- Introduction to Microsoft Azure Red Hat OpenShift (DO121)
- DO288 - Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications

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### Content:

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

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### Additional Information:

Official course book provided to participants.

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### Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

[training@globalknowledge.ae](mailto:training@globalknowledge.ae)

[www.globalknowledge.com/en-ae/](http://www.globalknowledge.com/en-ae/)

Global Knowledge, Dubai Knowledge Village, Block 2A, First Floor, Office F68, Dubai, UAE