Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications with Exam (EX288) (DO289)

ID DO289 **Price** CHF 4,057.—(excl. VAT) **Duration** 5 days

Who should attend

- Software developers
- Software architects

This course is part of the following Certifications

Red Hat Certified Specialist in OpenShift Application Development (RHCOE)

Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills
- Complete Red Hat OpenShift Development I: Introduction to Containers with Podman (DO188), or have equivalent knowledge
- RHCSA or higher is helpful for navigation and usage of the command line, but it is not required

Course Objectives

Impact on the organization

This course provides application developers with the essential skills to design, build, and deploy containerized applications, whether they are migrating existing applications to OpenShift, or creating new cloud-native applications. It provides the gateway to organizational and digital transformation by demonstrating the potential of DevOps using a container-based architecture.

As developers seek ways to improve application time to market for minimum viable products, containers and OpenShift have quickly become the de facto solution for agile development and application deployment. A container-based architecture, orchestrated with Kubernetes and OpenShift, improves application reliability and scalability while decreasing developer overhead and facilitating continuous deployment. Red Hat OpenShift provides the ability to consistently develop and deploy these applications in AWS using Red Hat OpenShift Service on AWS (ROSA), in Microsoft Azure using Azure Red Hat OpenShift, or as a self-managed Red Hat OpenShift Container Platform running in public cloud or customer datacenter environments.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact on the individual

You will learn about the fundamental concepts behind containerizing, scaling, deploying, and managing applications in Red Hat OpenShift Container Platform. You will acquire these skills:

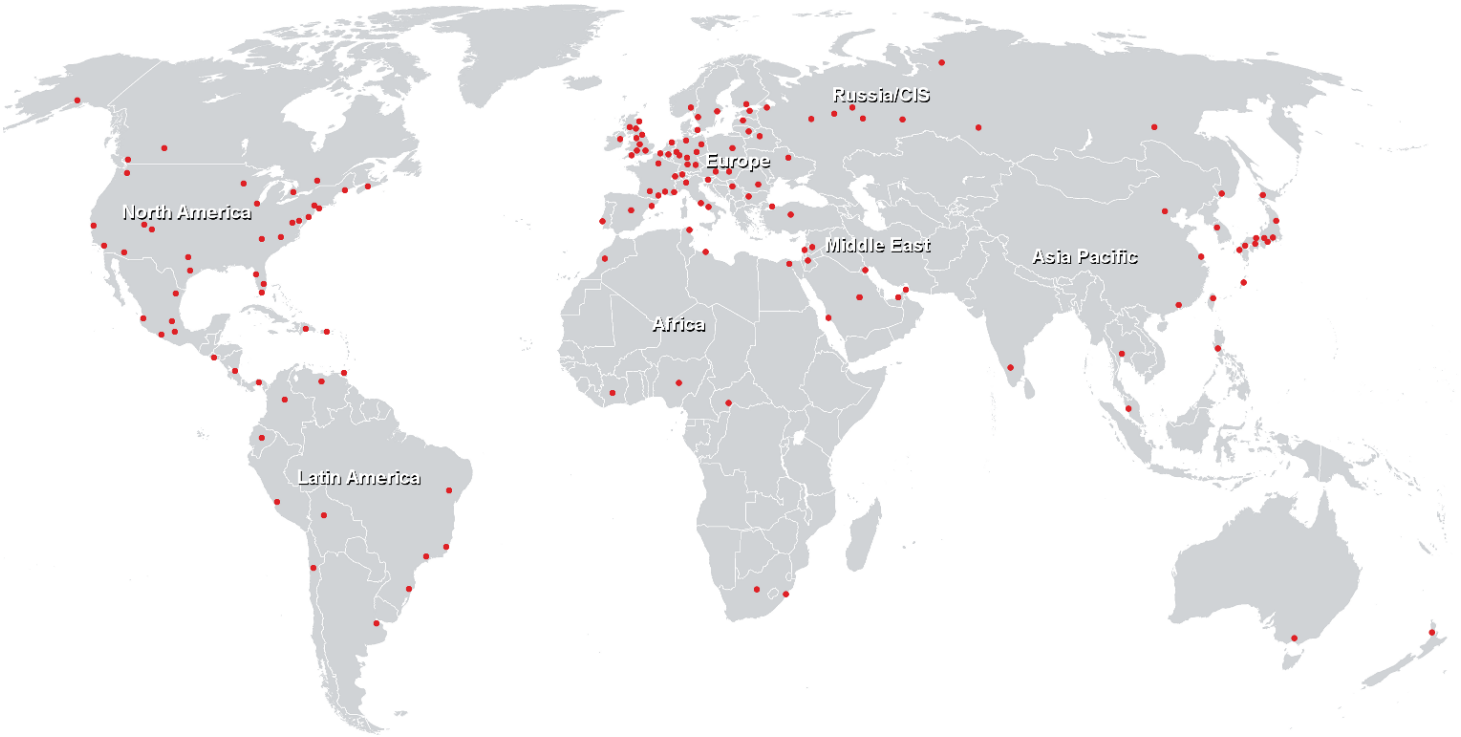
- Design container images to containerize applications.
- Different ways to build, deploy and manage containers.
- Deploy multi-container applications.
- Implement health checks to improve system reliability.
- Create and run automated pipelines for continuous delivery.

Course Content

- Features for developers in the Red Hat OpenShift web console
- Building and publishing container images for Red Hat OpenShift
- Managing container deployments on Red Hat OpenShift
- Create and deploy multi-container applications on Red Hat OpenShift
- Deploy multi-container applications using Helm Charts and Kustomize
- Create health checks to monitor and improve application reliability
- Creating CI/CD Workflows using Red Hat OpenShift Pipelines

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Training Centres worldwide





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