Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328)

ID DO328 **Price** CHF 2,805.—(excl. VAT) **Duration** 3 days

Who should attend

This course is designed for developers who want to deploy, manage, and secure microservices applications on Red Hat OpenShift.

This course is part of the following Certifications

Red Hat Certified Specialist in Building Resilient Microservices (RHCS-BRM)

Prerequisites

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- Attending Red Hat Cloud-native Microservices Development with Quarkus (DO378) or demonstrating equivalent experience in creating microservice applications is recommended, but not required
- Attending Red Hat OpenShift Administration I: Operating a Production Cluster (DO180) and Red Hat OpenShift Developer II: Building and Deploying Cloud-native Applications (DO288), and passing the Red Hat Certified OpenShift Application Developer Exam (EX288), or possessing basic OpenShift experience, is strongly recommended.

Course Objectives

Impact on the organization

Microservice architectures with Red Hat OpenShift Service Mesh enable organizations to improve application security, resilience, and scalability, while decreasing developer overhead. Red Hat OpenShift Service Mesh adds an additional level of security for data in transit with mutual TLS encryption and a zero-trust network. This leads organizations to improved time to market, as well as improved insight into their microservice architecture, by being able to visualize and trace data flow throughout their applications. These insights can dictate better resource allocation for applications as well as more quickly identifying defects in specific microservices.

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

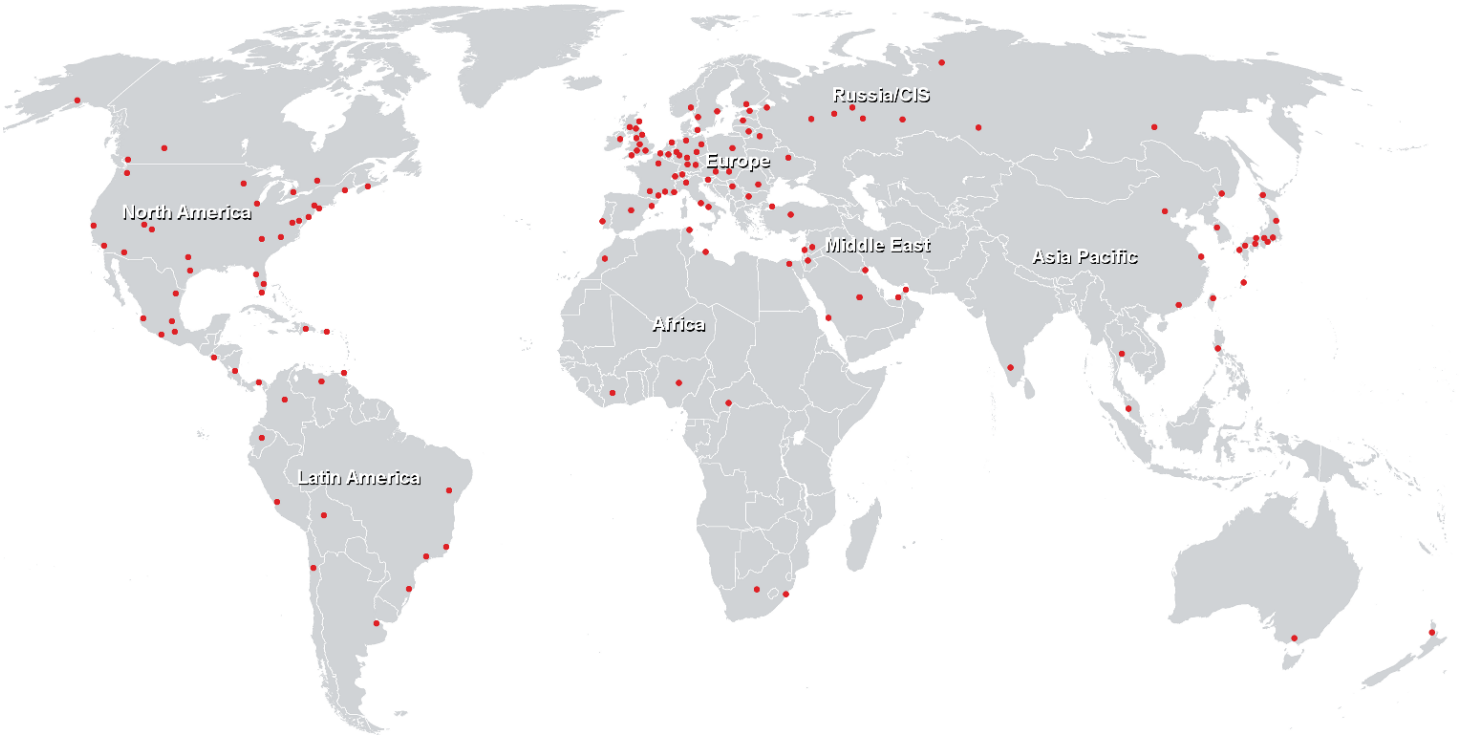
You will be able to use the concepts in this course to simplify and more efficiently manage their service interactions. You will learn how to install and configure Red Hat OpenShift Service Mesh to define, monitor, manage, and secure service interaction within their microservice architecture. This course is intended to illustrate the ease of Red Hat OpenShift Service Mesh's "sidecar" approach and to highlight the benefits of service resilience and monitoring that the product provides.

Course Content

- Install Red Hat OpenShift Service Mesh on a Red Hat OpenShift cluster.
- Apply release strategies by controlling service traffic.
- Build service resilience with load balancing and failovers.
- Test service resilience with chaos testing.
- Enforce service security.
- Observe, measure, and trace network traffic with OpenShift Service Mesh.

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Training Centres worldwide





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