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

ID DO328 **Prix** CHF 2 805,– (Hors Taxe) **Durée** 3 jours

A qui s'adresse cette formation

This course is designed for developers who want to deploy and scale microservices applications.

Cette formation prépare à la/aux certifications

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

Pré-requis

Attending !Red Hat Application Development II: Implementing Microservice Architectures (DO283) or demonstrating equivalent experience in creating microservice applications is recommended, but not required

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.

Objectifs

Introduce Red Hat OpenShift Service Mesh

Describe the basic concepts of microservice architecture and OpenShift Service Mesh.

Install OpenShift Service Mesh

Deploy OpenShift Service Mesh on OpenShift Container Platform.

Observe a service mesh

Trace and visualize an OpenShift Service Mesh with Jaeger and Kiali.

Control service traffic

Manage and route traffic with OpenShift Service Mesh.

Release applications with OpenShift Service Mesh

Release applications with canary and mirroring release strategies.

Test service resilience with chaos testing

Gauge the resiliency of an OpenShift Service Mesh with chaos testing.

Build resilient services

Use OpenShift Service Mesh strategies to create resilient services.

Secure an OpenShift Service Mesh

Encrypt and secure services in your application with OpenShift Service Mesh.

Contenu

Control, manage, trace, monitor, and test your microservices with Red Hat OpenShift Service Mesh

Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328) is a 4-day introductory course that teaches students installation, service monitoring, service management, and service resilience of Red Hat OpenShift? Service Mesh.

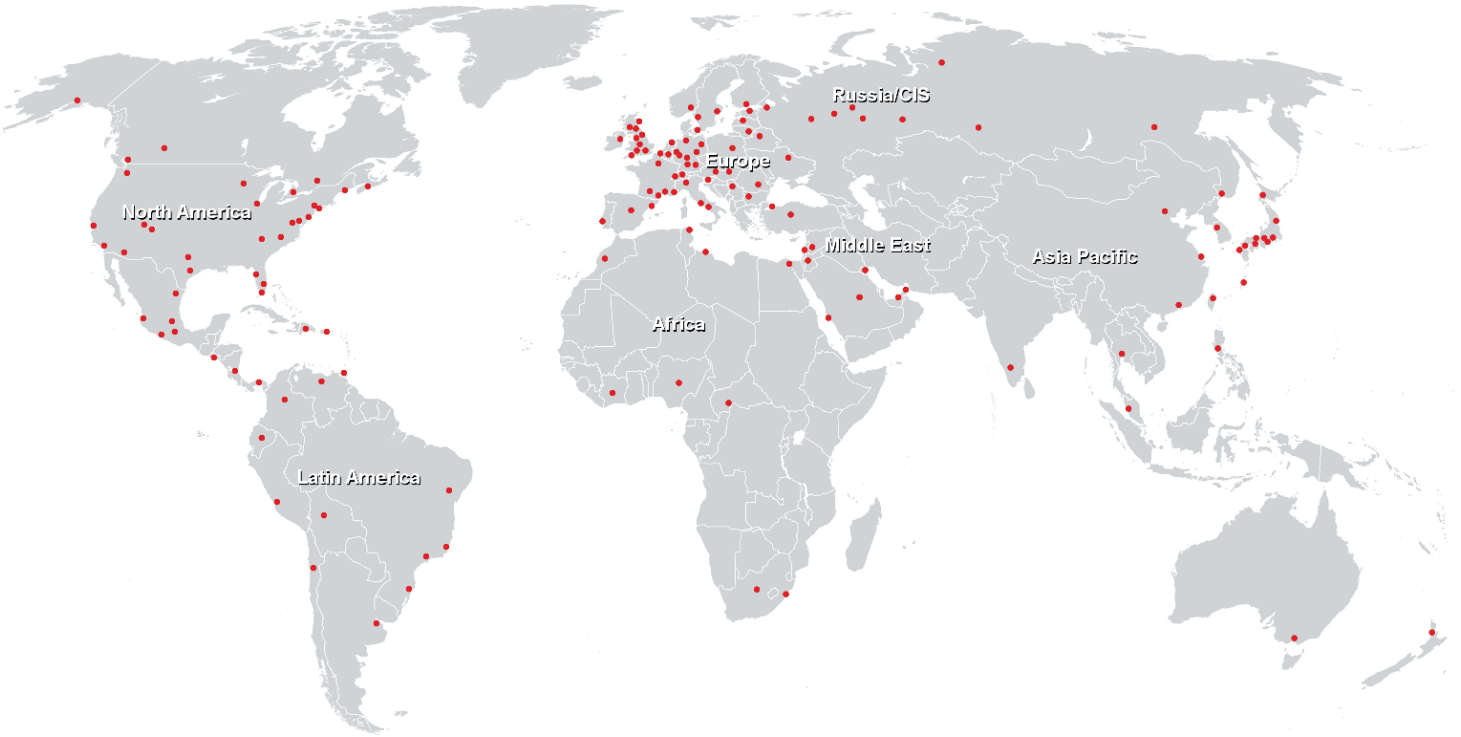
Openshift created an enterprise-ready, multi-tenant platform that made deploying and scaling microservice applications efficient and easily repeatable. But as these architectures become larger and more complex, defining how these services interact with each other becomes increasingly difficult. Red Hat OpenShift Service Mesh comprises 3 products—Istio, Jaeger, and Kiali—that facilitate service interaction management, provide service tracing, and create a visual representation of communication pathways.

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This course is based on Red Hat OpenShift? Container Platform 4.4 and Red Hat OpenShift Service Mesh 1.1.

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