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

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

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

About This Course

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

Who Should Attend

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

Learning Outcomes

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

Install Red Hat OpenShift Service Mesh on an 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.

Detailed Course Outline

1 - Introduce Red Hat OpenShift Service Mesh

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

2 - Observe a service mesh

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

3 - Control service traffic

- Manage and route traffic with OpenShift Service Mesh.

4 - Release applications with OpenShift Service Mesh

- Release applications with canary and mirroring release strategies.

5 - Test service resilience with chaos testing

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

6 - Build resilient services

- Use OpenShift Service Mesh strategies to create resilient services.

7 - Secure an OpenShift Service Mesh

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

Additional Course Details

Nexus Humans Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328)?

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: How many CPD hours does this course provide?

The 4-day Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328)?

Yes, we provide corporate training, dedicated training, and closed classes for Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328). 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: Why choose Nexus Human for Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328)?

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 Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh (DO328) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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