Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482)

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

Develop, scale, and troubleshoot event-driven microservice applications. Learn to use Kafka and AMQ Streams to design, develop, and test event-driven applications. Event-driven microservices scale globally, store and stream process data, and provide low-latency feedback to customers. This course is for application developers and is based on Red Hat AMQ Streams 1.8 and Red Hat OpenShift Container Platform 4.6.

About This Course

Develop, scale, and troubleshoot event-driven microservice applications. Learn to use Kafka and AMQ Streams to design, develop, and test event-driven applications. Event-driven microservices scale globally, store and stream process data, and provide low-latency feedback to customers. This course is for application developers and is based on Red Hat AMQ Streams 1.8 and Red Hat OpenShift Container Platform 4.6.

Who Should Attend

Cluster administrators (systems administrators, cloud administrators, cloud engineers) Cluster engineers (systems administrators, cloud administrators, cloud engineers) Site reliability engineers (SREs)

Learning Outcomes

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

Deploy Red Hat OpenShift Data Foundation in internal and external mode. Provision non-shareable block storage to applications like databases. Provision shareable block storage to applications like virtual machines. Provision shareable file storage to such applications as CI/CD pipelines and AI/ML. Provision shareable object storage to applications, such as AI/ML and media streaming. Provision storage for Red Hat OpenShift cluster services, such as monitoring and registry. Monitor and expand storage capacity and performance Attach and detach storage from an application for backup and archiving. Create and access volume snapshots and clones. Troubleshoot internal Ceph components of Red Hat OpenShift Data Foundation. Perform backup and restore operations using the OADP API.

Detailed Course Outline

1 - Outline

- Describing Red Hat OpenShift Data Foundation deployment architectures
- Deploying OpenShift Data Foundation on Red Hat OpenShift using Internal, Converged Mode
- Configuring Red hat OpenShift Cluster Services to use OpenShift Data Foundation
- Configuring application workloads to use OpenShift Data Foundation block and file storage
- Monitoring and expanding OpenShift Data Foundation block and file storage capacity
- Troubleshooting Ceph components from OpenShift Data Foundation
- Expanding OpenShift Data Foundation block and file storage volumes
- Performing backup and restore of OpenShift Data Foundation block and file volumes
- Configuring application workloads to use OpenShift Data Foundation object storage
- Monitoring and expanding OpenShift Data Foundation object storage capacity
- Performing backup and restore of OpenShift Data Foundation object buckets
- Deploying OpenShift Data Foundation on Red Hat OpenShift using external mode

Additional Course Details

Nexus Humans Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482) 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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482) 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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482)?

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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482) 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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482) 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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482)?

Yes, we provide corporate training, dedicated training, and closed classes for Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482). 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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482)?

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 Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482) 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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