Camel Quarkus
Supersonic Subatomic Apache Camel

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About

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What is Apache Camel?

https://camel.apache.org/
Apache Camel is an Open Source Integration Framework
Domain Specific Language (DSL)

Java

class MyCamelRouter extends RouteBuilder {
    @Override
    public void configure() throws Exception {
        from("aws2-s3://my-bucket?prefix=hello.txt")
            .log("Got an S3 file: ${body}")
            .to("telegram: bots");
    }
}

XML

<routes xmlns="http://camel.apache.org/schema/spring">
    <route id="my-route">
        <from uri="aws2-s3://my-bucket?prefix=hello.txt"/>
        <log message="Got an S3 file: ${body}"/>
        <to uri="telegram: bots"/>
    </route>
</routes>

Groovy, Scala, Kotlin, YAML, ...
Entreprise Integration Patterns

https://www.enterpriseintegrationpatterns.com/
Content Based Router EIP
Vast Library of components

+360 connectors
Why use Apache Camel?
Apache Camel

- The biggest and most active community for open source integration software
Apache Camel

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- You can connect to almost everything
Apache Camel

- The biggest and most active community for open source **integration** software
- You can connect to almost everything
- Focus on your use case logic
Runtimes
Camel runs on

(but not limited to)

Spring Boot

Standalone

Vert.x

Quarkus

MICROPROFILE

Knative/Kubernetes

Apache Kafka

Karaf
Camel Quarkus
Camel Quarkus brings together the awesome integration capabilities of Apache Camel and its vast component library to the Supersonic, Subatomic Quarkus runtime.
Why Apache Camel on Quarkus

- Small size on disk ⇒ Small container images
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- Fast boot time ⇒ Instant scale up
Why Apache Camel on Quarkus

• Small size on disk ⇒ Small container images
• Fast boot time ⇒ Instant scale up
• Low memory footprint ⇒ More containers with the same amount of RAM
Demo
Demo : Telegram Bot : CamelDevNation

Telegram

Kafka
Demo: Telegram Bot: CamelDevNation

Diagram:
- Telegram
- Kafka
- Database

Flow:
- Telegram sends data to Kafka.
- Kafka forwards data to the Database.
Links

● [https://camel.apache.org/](https://camel.apache.org/)
● [https://github.com/apache/camel-quarkus](https://github.com/apache/camel-quarkus)
● [https://github.com/zbendhiba/camel-quarkus-devNation](https://github.com/zbendhiba/camel-quarkus-devNation)