



# Camel Quarkus

## Supersonic Subatomic Apache Camel

Zineb Bendhiba

[@ZinebBendhiba](#)



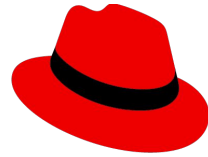
Blabla conf 2021-10-29



# About

## Zineb Bendhiba

- Senior Software Engineer at Red Hat
- Apache Camel committer
- Duchess France
- Based in Paris - France
- She/Her
- Twitter : [@ZinebBendhiba](https://twitter.com/ZinebBendhiba)
- GitHub : [zbendhiba](https://github.com/zbendhiba)





# What is Apache Camel ?

<https://camel.apache.org/>

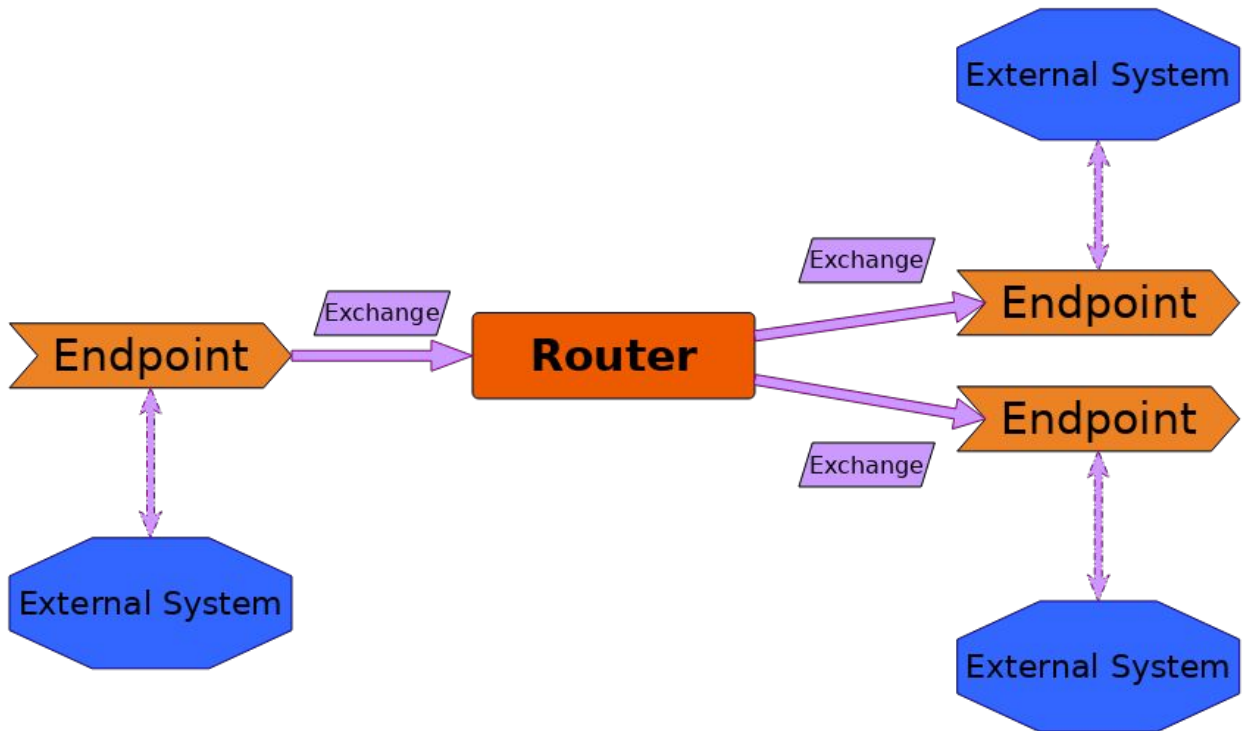


Apache Camel is an **Open Source** Integration  
Framework

# Apache Camel



# Apache Camel



# 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>
```

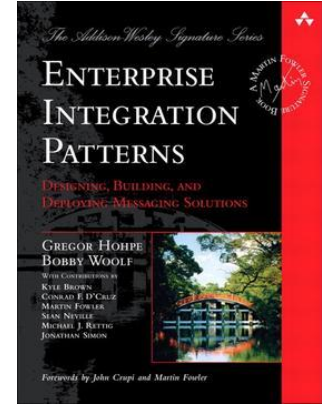
Groovy, Scala, Kotlin, YAML, ...

# EIP



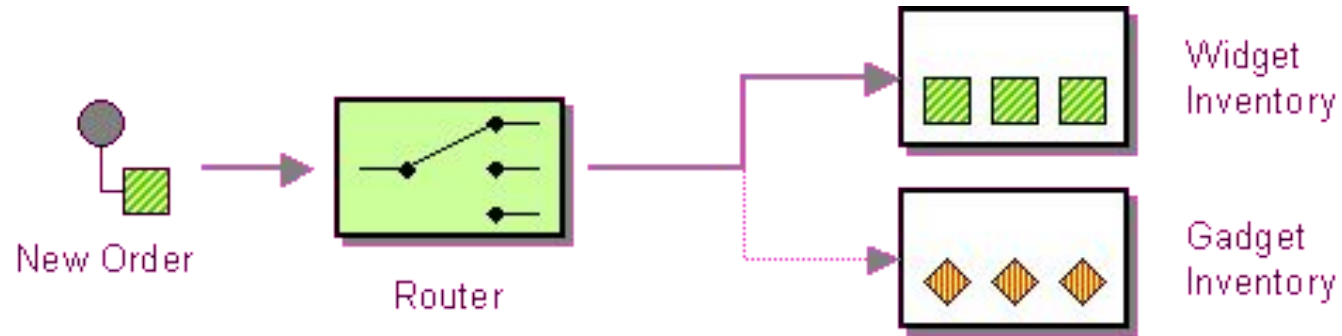
- Enterprise **Integration** Patterns

<https://www.enterpriseintegrationpatterns.com/>

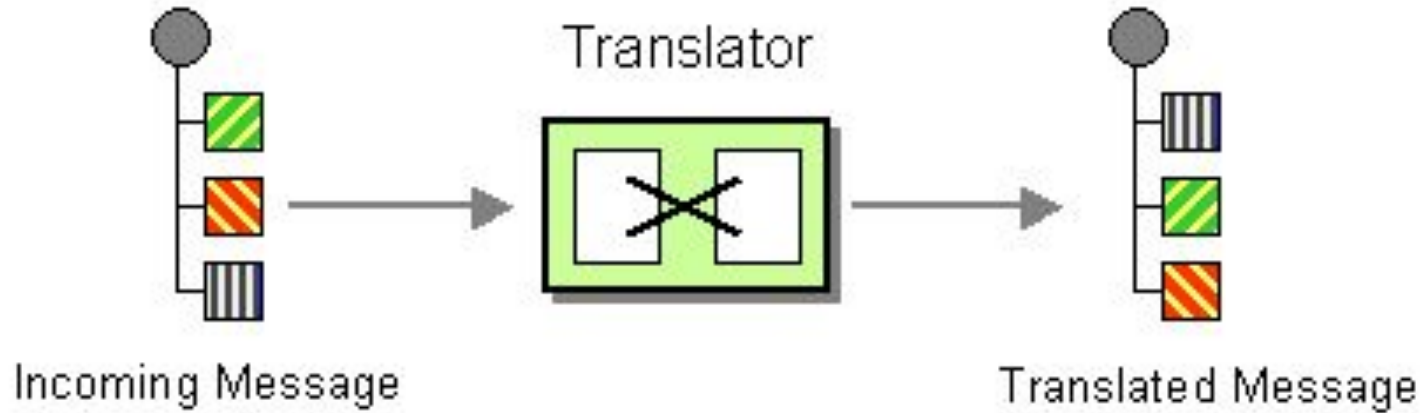




# Content Based Router EIP



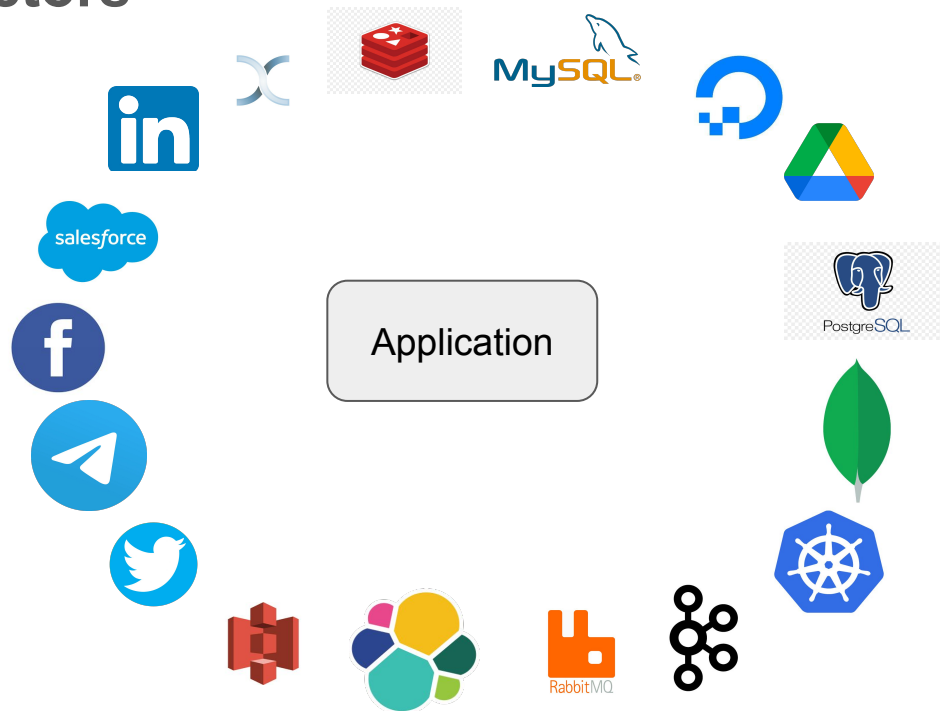
# Message Translator EIP



# 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



- The biggest and most active community for Open Source **integration** software
- 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



QUARKUS



MICROPROFILE™  
OPTIMIZING ENTERPRISE JAVA



WildFly 

VERT.X



Knative/Kubernetes

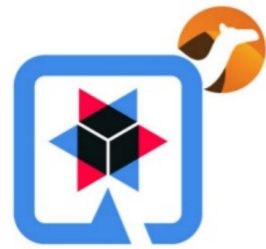


Karaf

APACHE  
kafka®



# 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  $\Rightarrow$  Small container images



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- Small size on disk  $\Rightarrow$  Small container images
- Fast boot time  $\Rightarrow$  Instant scale up



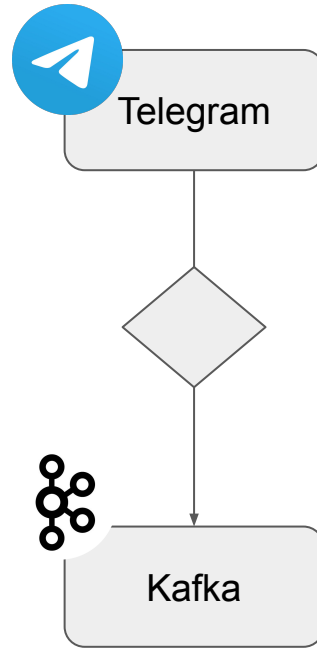
# Why Apache Camel on Quarkus



- Small size on disk  $\Rightarrow$  Small container images
- Fast boot time  $\Rightarrow$  Instant scale up
- Low memory footprint  $\Rightarrow$  More containers with the same amount of RAM

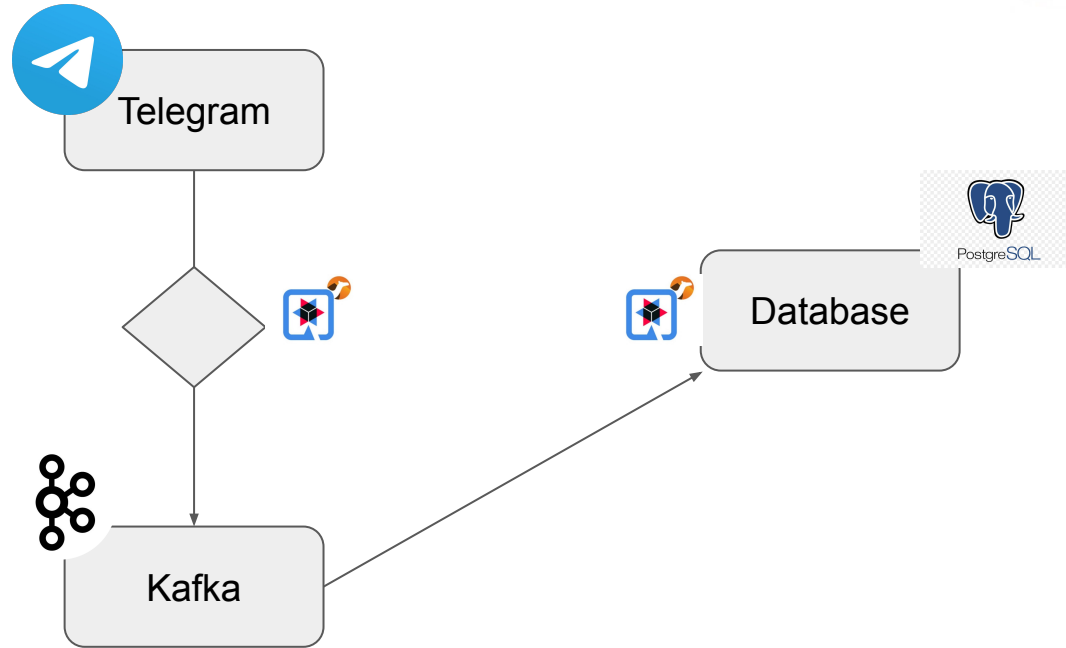
Demo

# Demo : Telegram Bot : BlablaCamel





# Demo : Telegram Bot : BlablaCamel



# Links

- <https://camel.apache.org/>
- <https://github.com/apache/camel-quarkus>
- <https://github.com/zbendhiba/conference-talks>

Thank you

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