



Camel Quarkus

Supersonic Subatomic Apache Camel

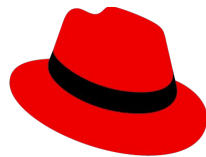
Zineb Bendhiba

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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)





What is Apache Camel ?

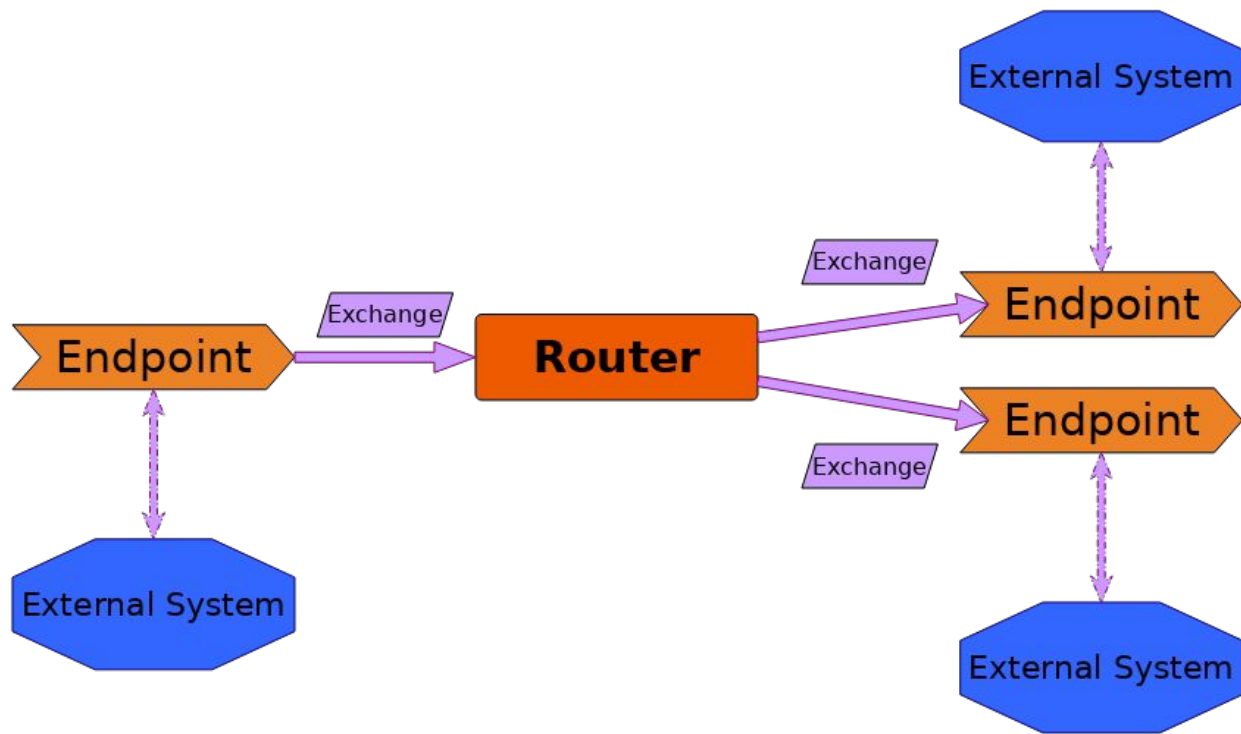
<https://camel.apache.org/>



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

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>
```

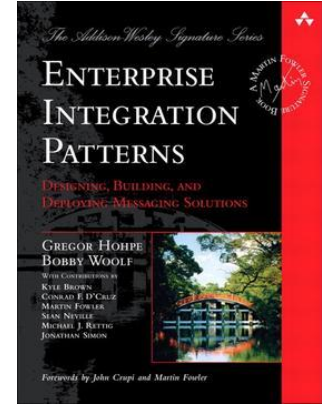
Groovy, Scala, Kotlin, YAML, ...

EIP

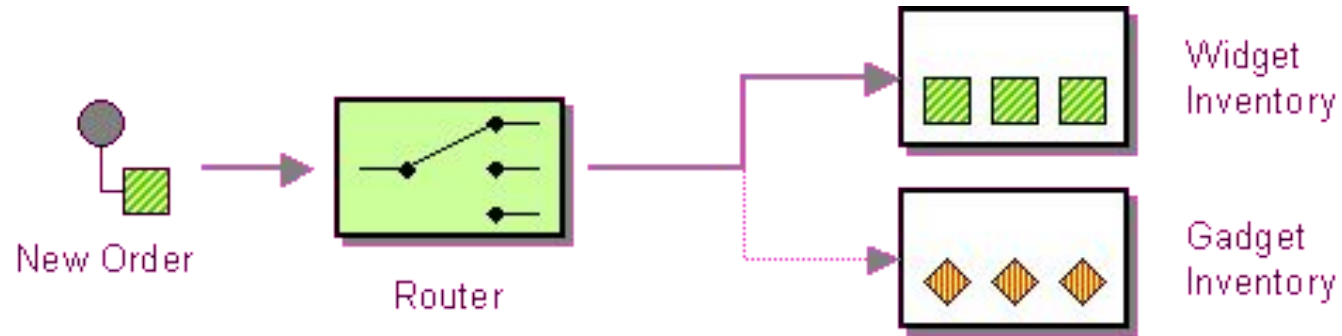


- Enterprise **Integration** Patterns

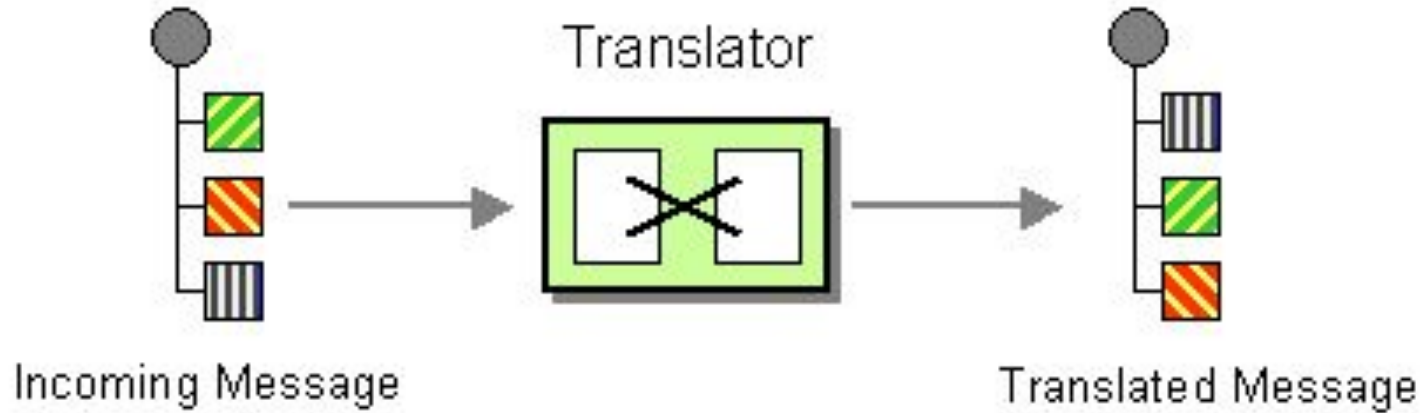
<https://www.enterpriseintegrationpatterns.com/>



Content Based Router EIP



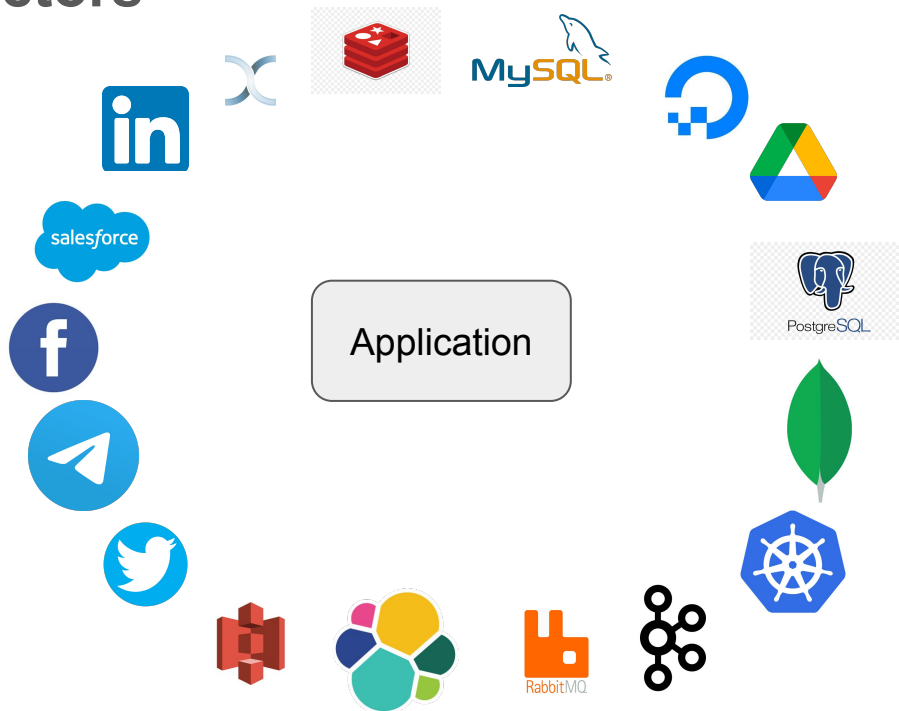
Message Translator EIP





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



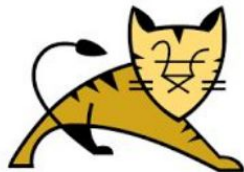
Standalone



QUARKUS



MICROPROFILE™
OPTIMIZING ENTERPRISE JAVA



Karaf



Knative/Kubernetes



VERT.X





Camel Quarkus



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

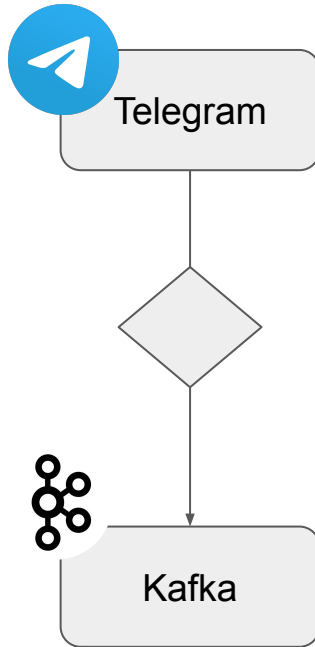
Why Apache Camel on Quarkus



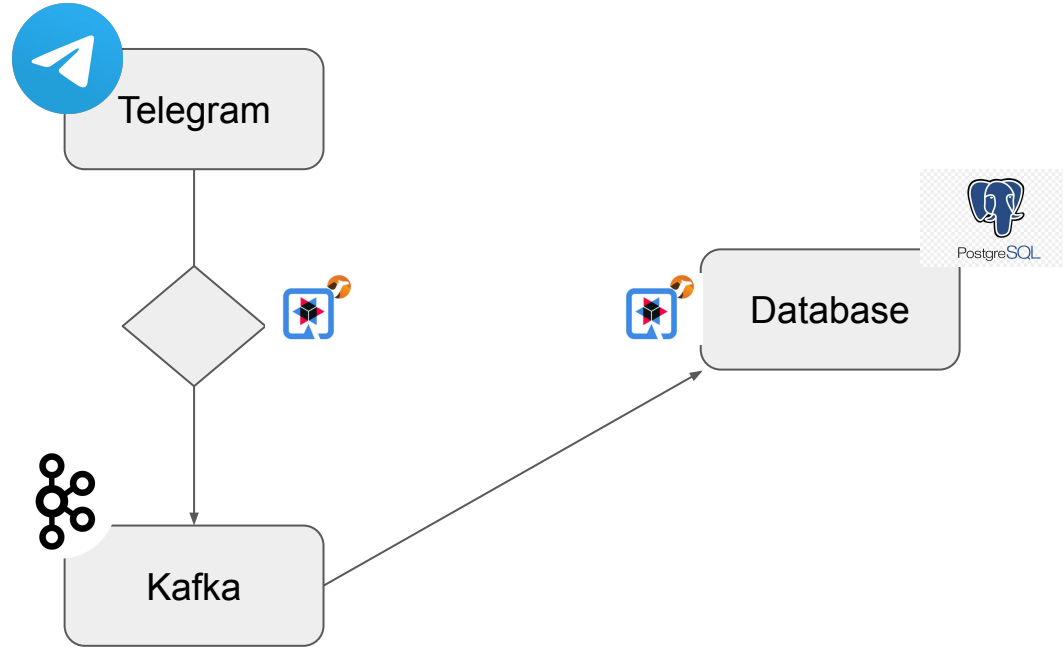
- Small size on disk \Rightarrow Small container images
- Fast boot time \Rightarrow Instant scale up
- Low memory footprint \Rightarrow More containers with the same amount of RAM

Demo

Demo : Telegram Bot : cameljlove



Demo : Telegram Bot : cameljlove



Links

- <https://camel.apache.org/>
- <https://github.com/apache/camel-quarkus>
- <https://github.com/zbendhiba/telegram-kafka>

Thank you