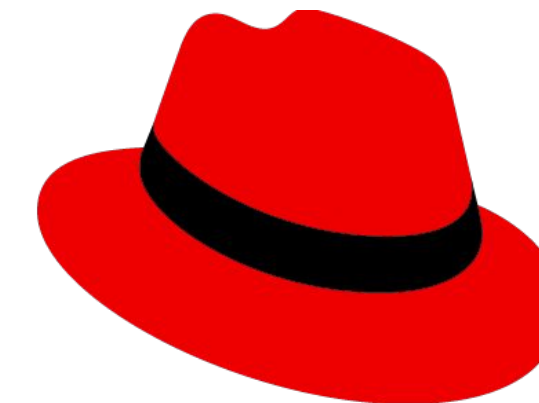# Intègration à l'ère du Cloud avec Camel Quarkus

Zineb Bendhiba
@ZinebBendhiba

Zineb Bendhiba

- Senior Software Engineer at Red Hat

- Apache Camel PMC member

- Duchess France

- Based in Paris - France

- She/Her/Hers

- Twitter : @ZinebBendhiba

- GitHub : zbendhiba
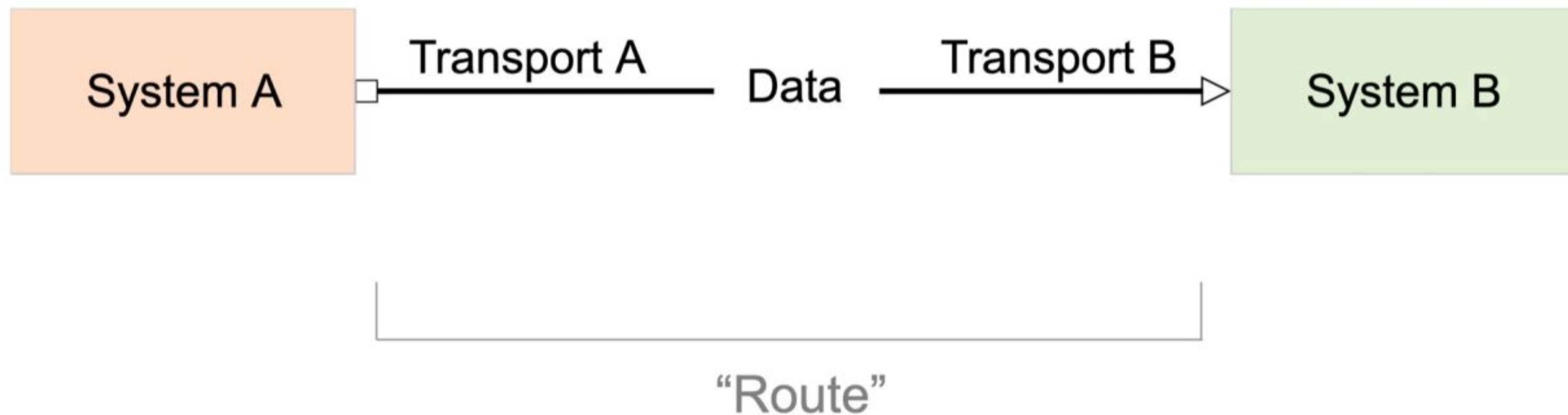
What is Apache Camel ?

https://camel.apache.org/

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

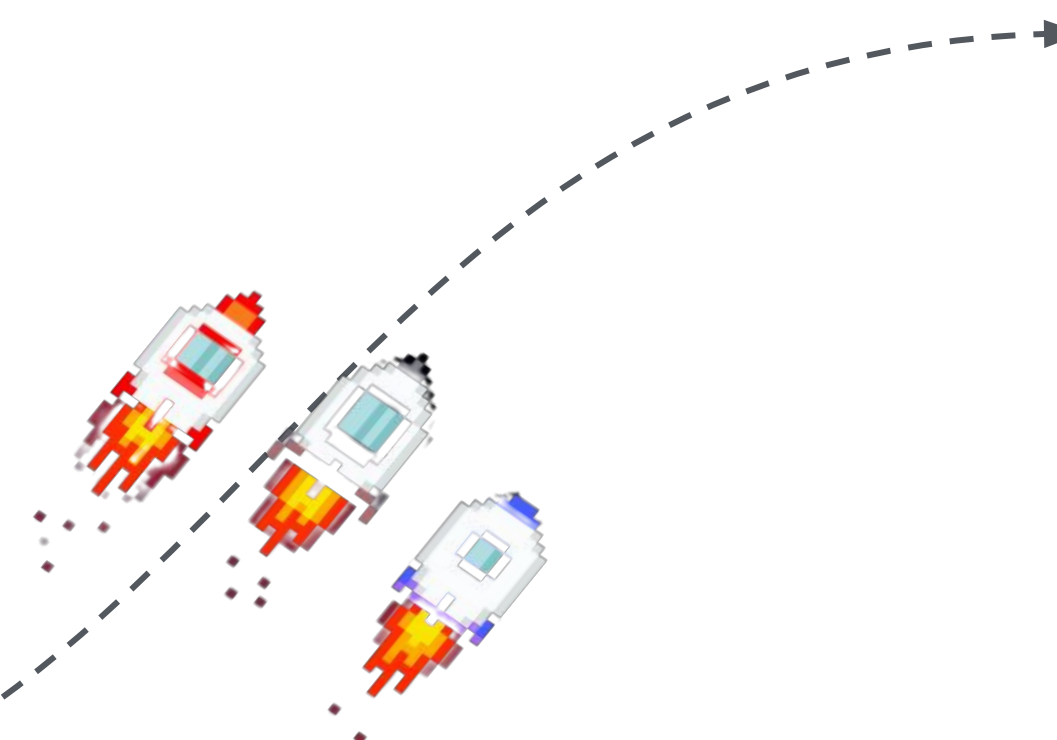# Apache Camel

Domain Specific Language (DSL)

```
from("kafka:topic")

   .unmarshal().json()

   .to("atlasmap:servicenow.adm")

   .to("json-validator:gcpschema.json")

   .to("http:my-host/api/path")
```
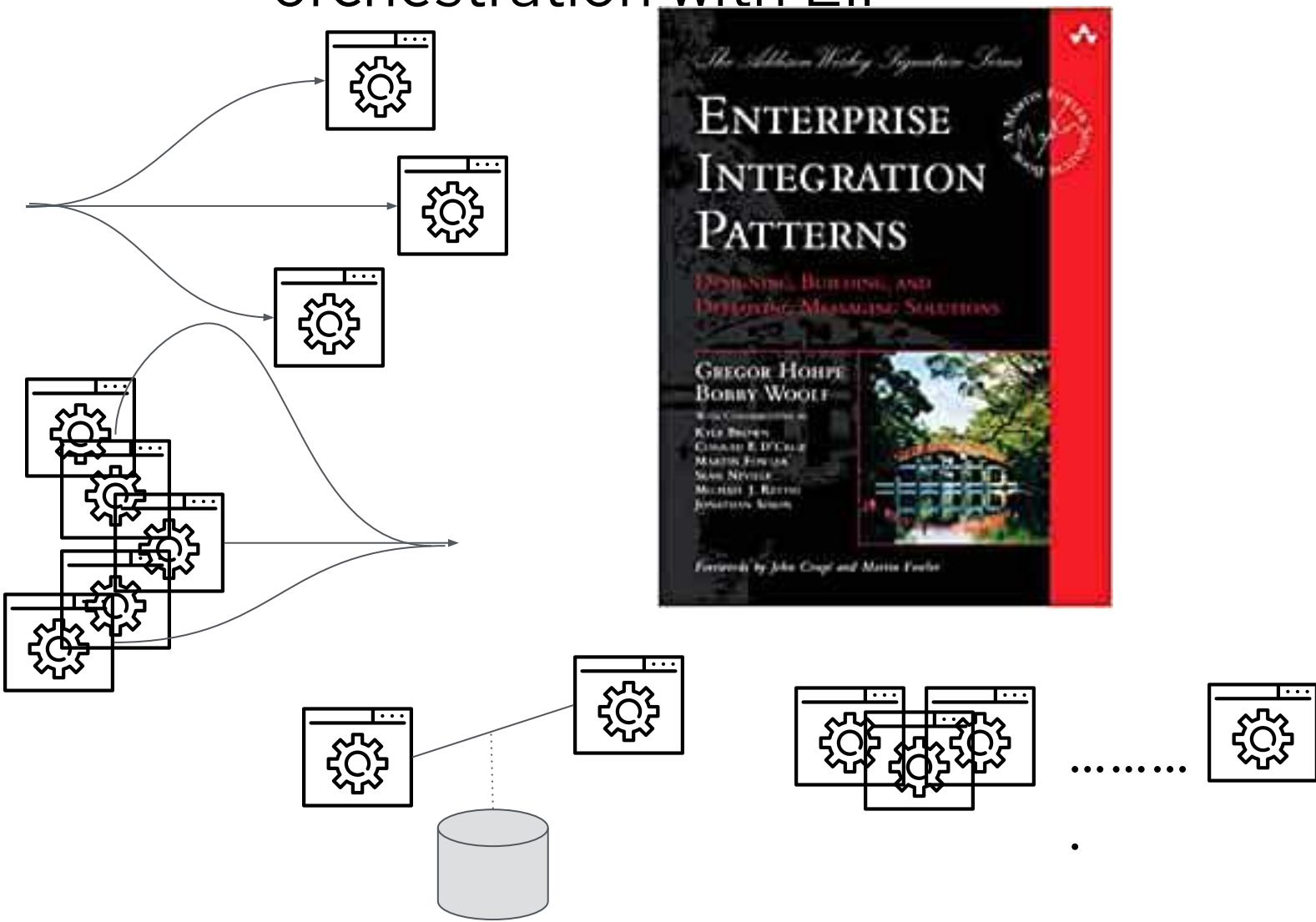
Libraries
POJO
Biz Logic...

EIP

▸ Microservices orchestration with EIP
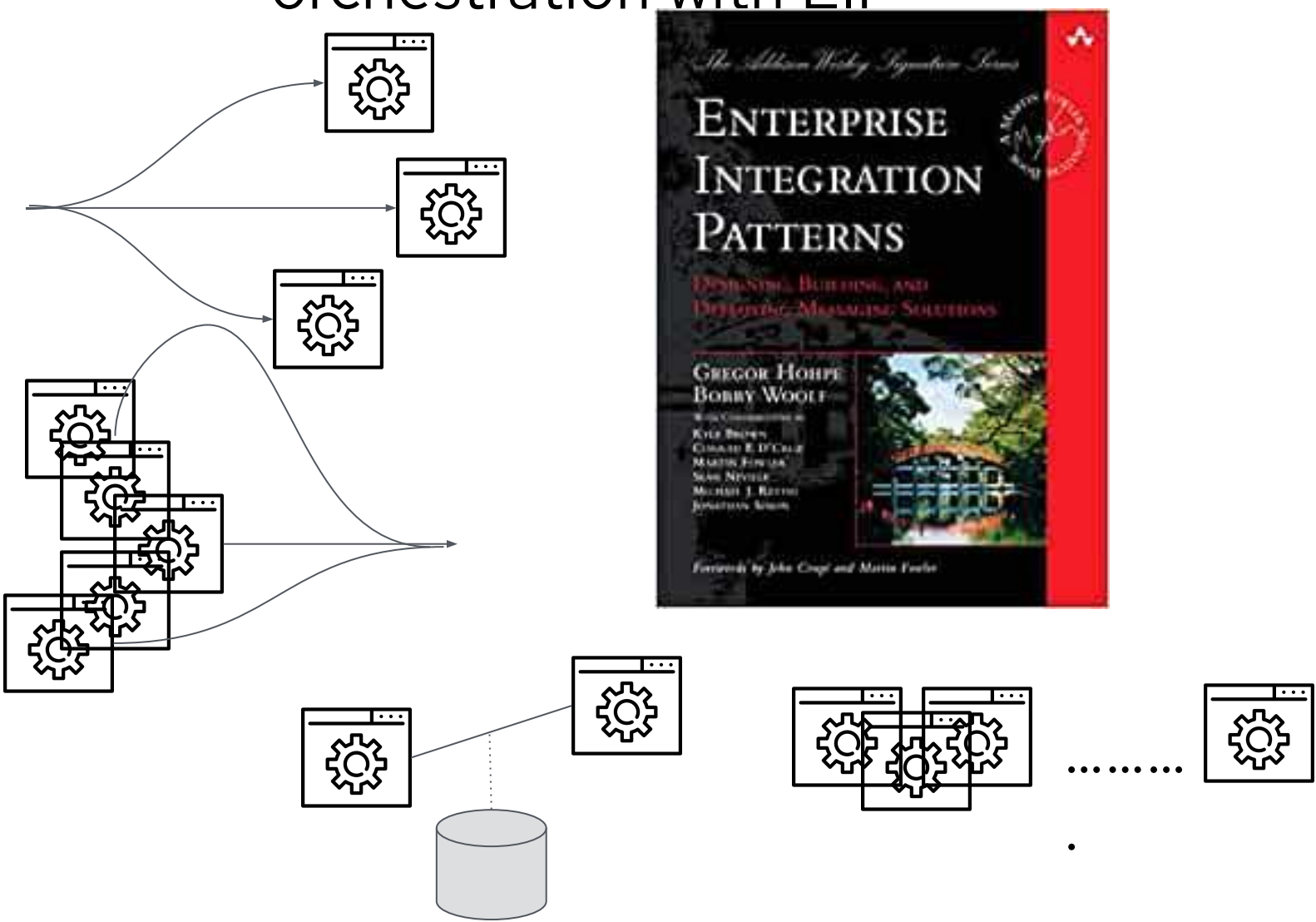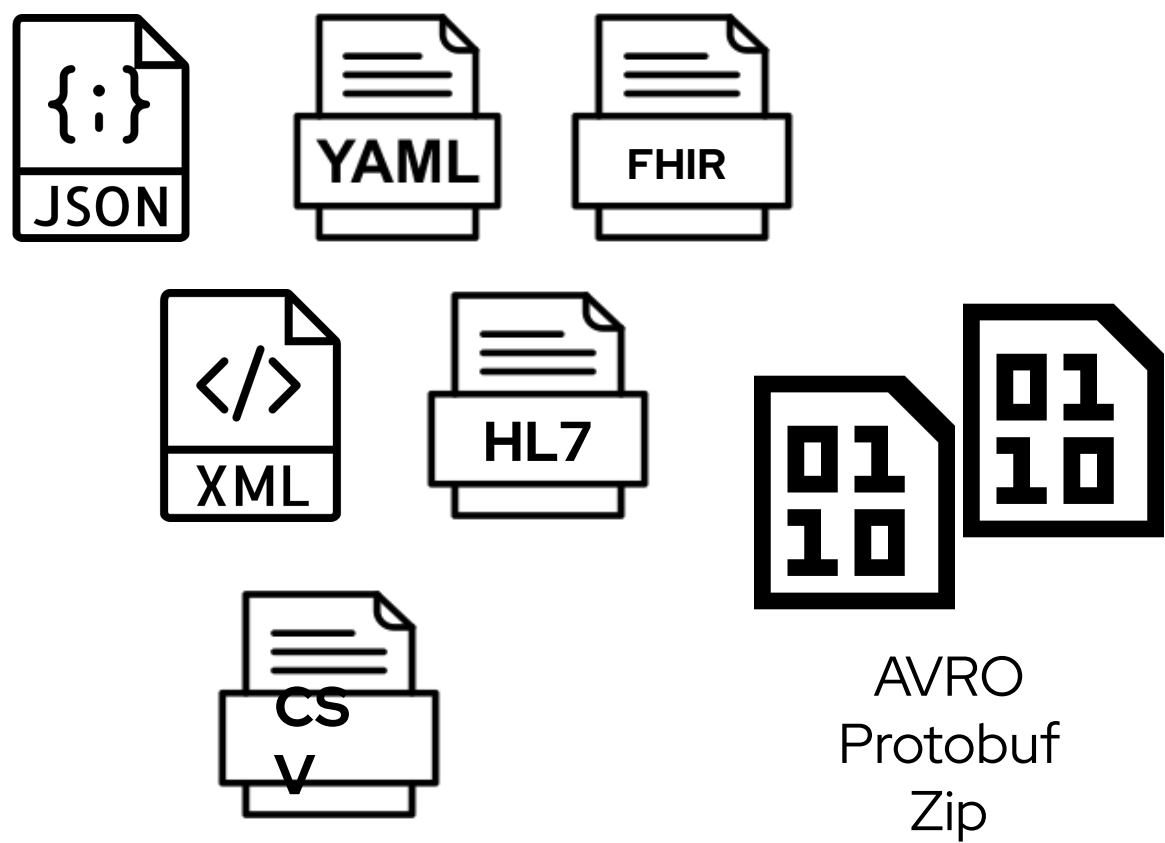
Data Transformation

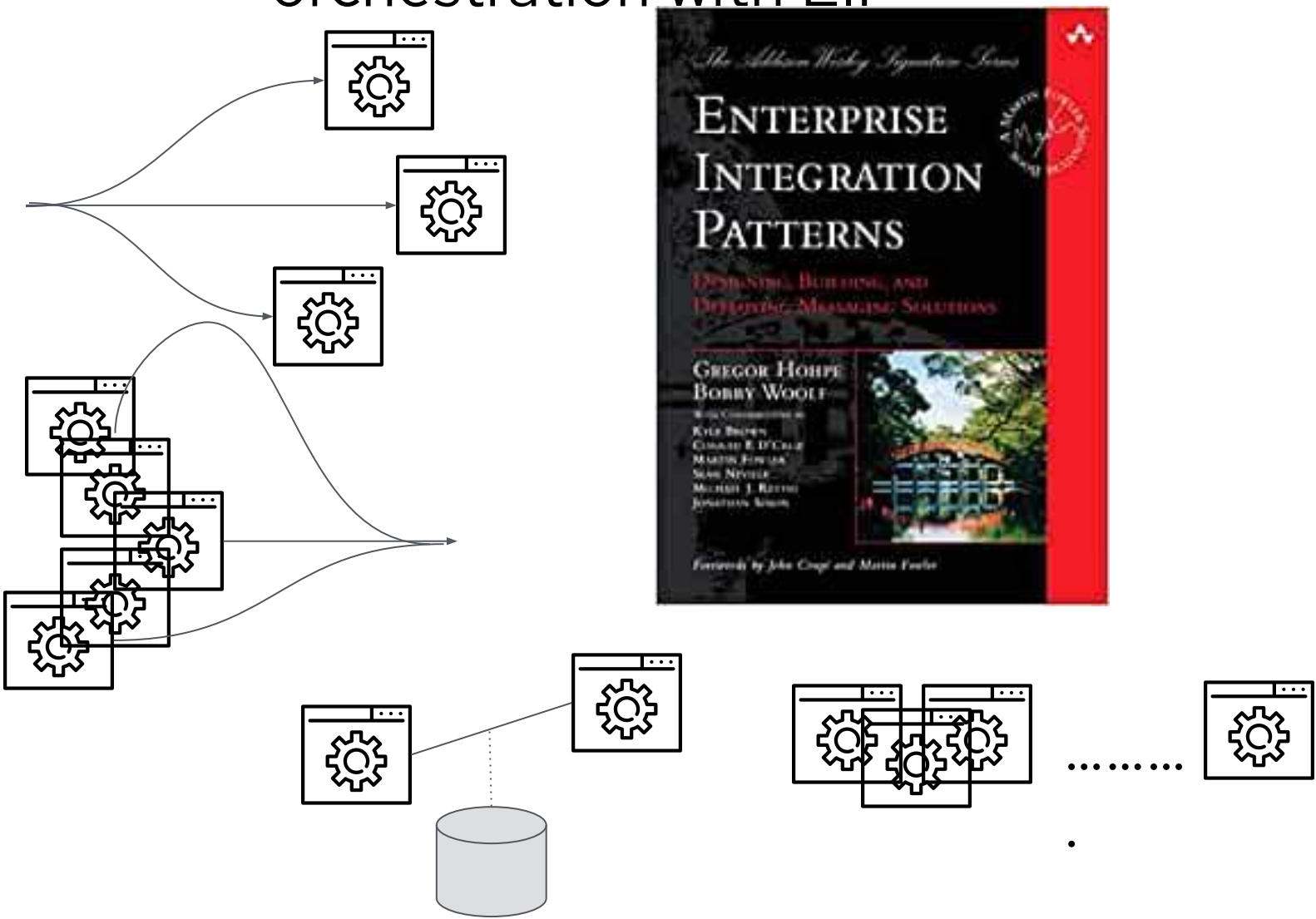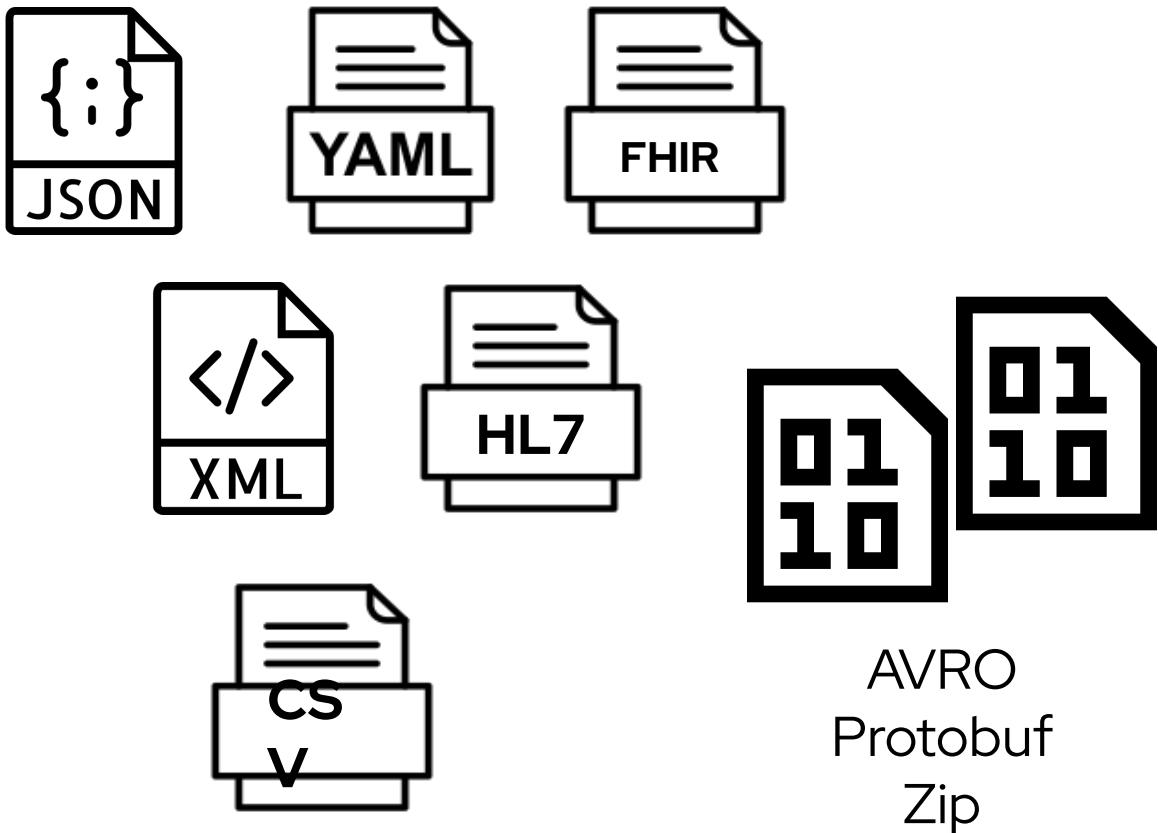▸ Microservices orchestration with EIP
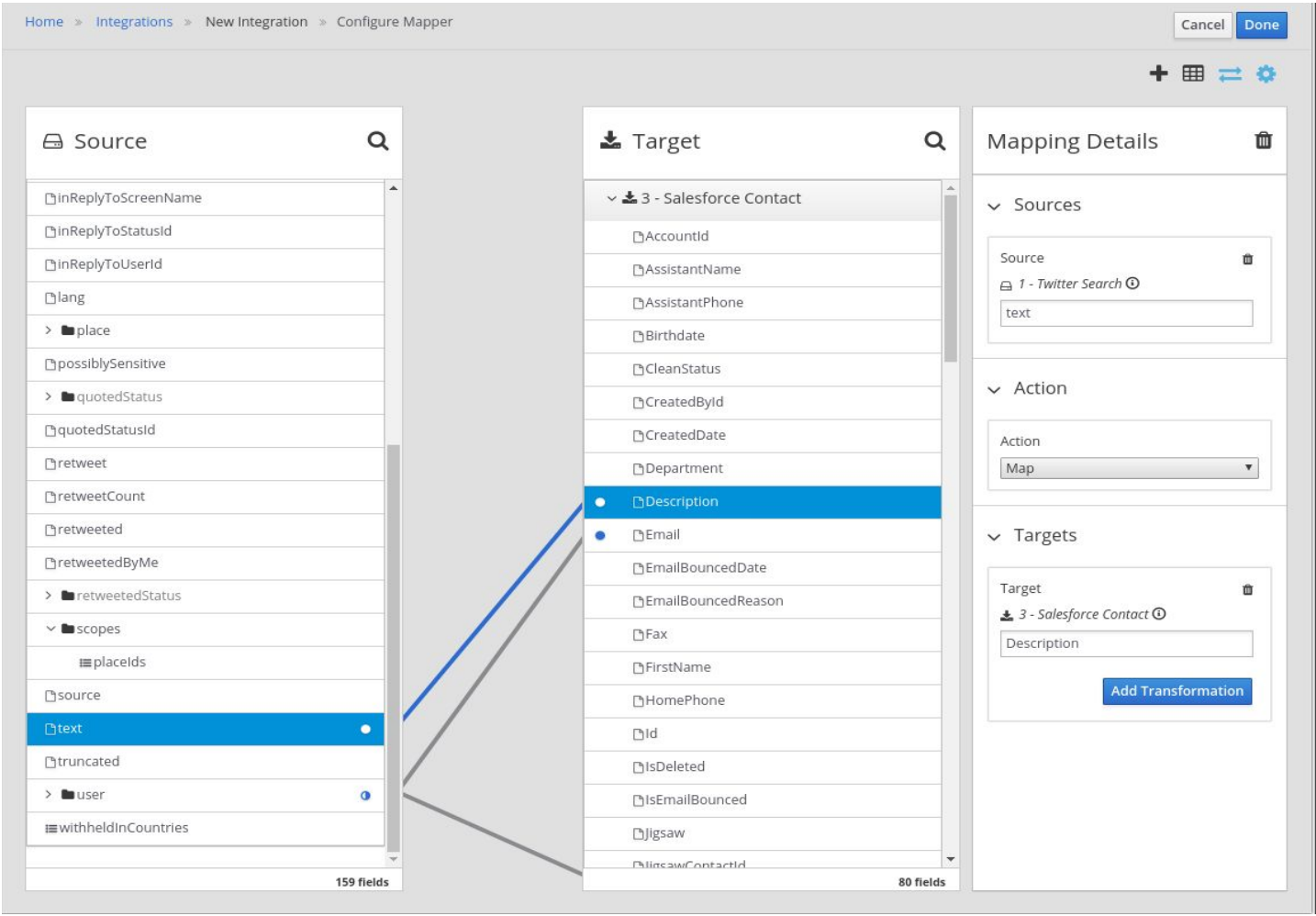
▸ Data Transformation

Data Transformation with Tools

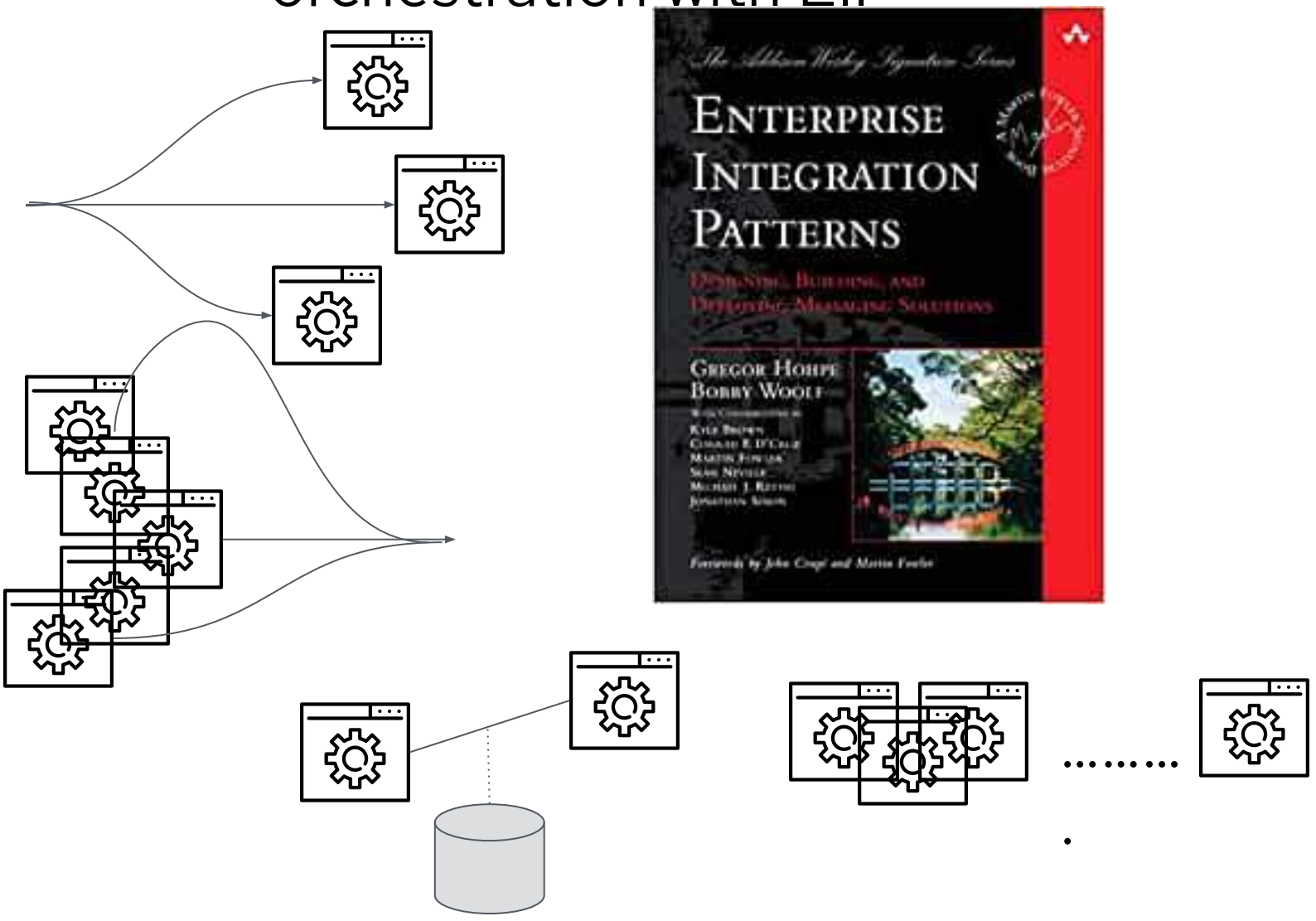- Microservices orchestration with EIP

- Data Transformation

- Data Transformation with Tools

Components

Microservices orchestration with EIP

ENTERPRISE INTEGRATION PATTERNS

Data Transformation

JSON YAML FHIR

XML HL7

CS V

AVRO Protobuf Zip
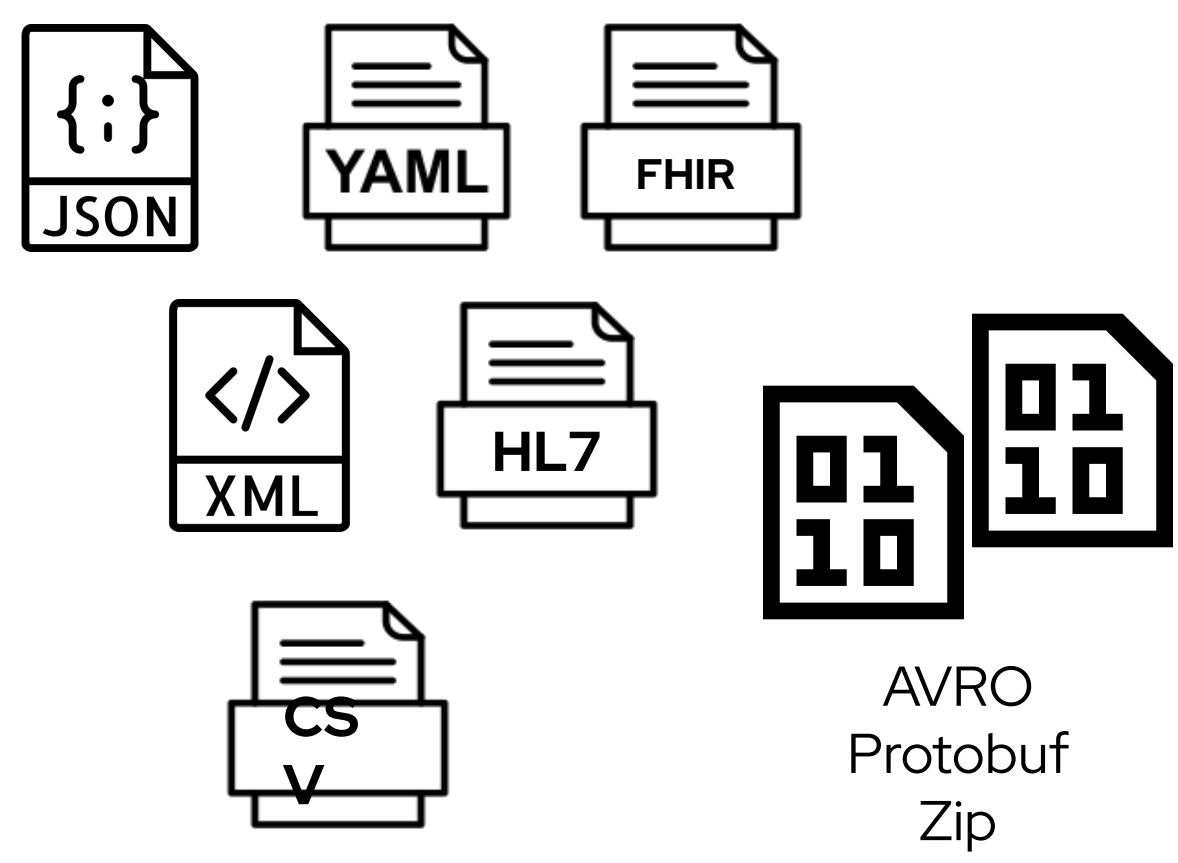
Comprehensive connectors

APP
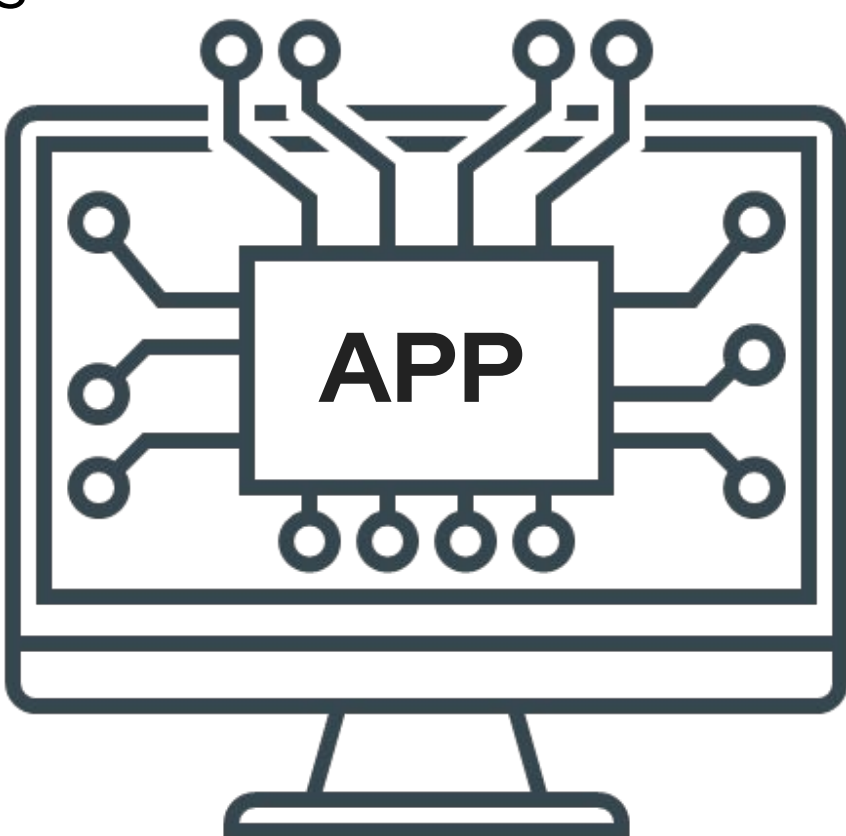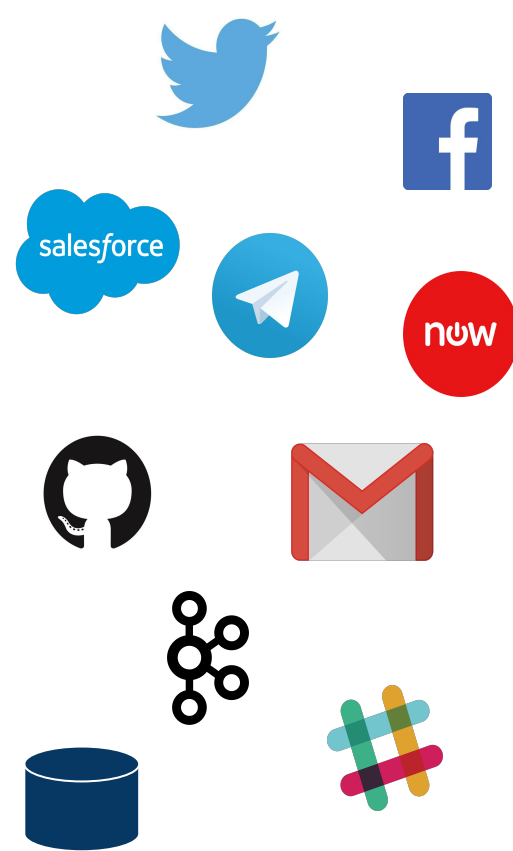
Data Transformation with Tools
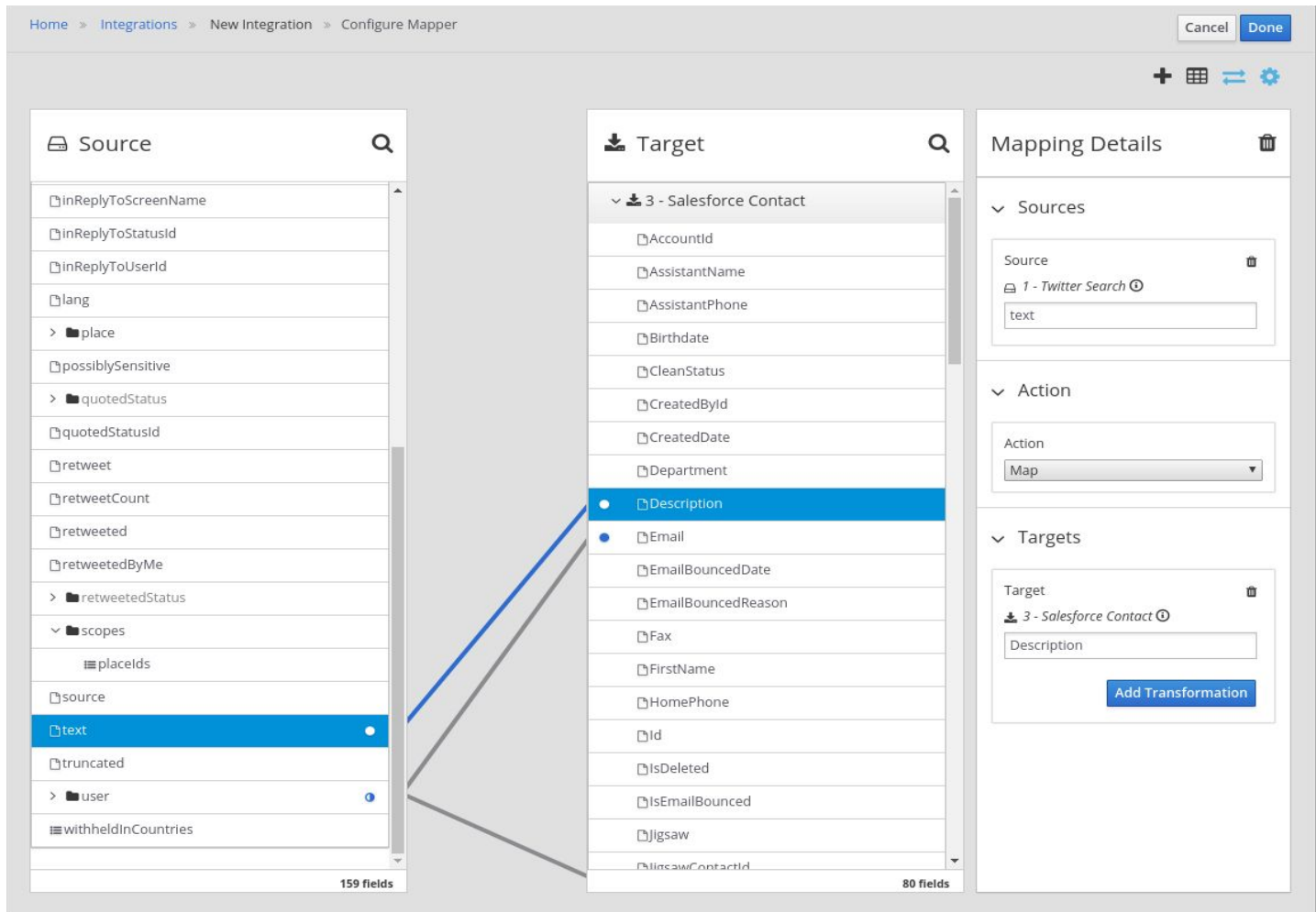
Why use Apache Camel ?

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)

WildFly

Standalone

VERT.X

Spring Boot

QUARKUS

MICROPROFILE™
OPTIMIZING ENTERPRISE JAVA

APACHE kafka

Knative/Kubernetes

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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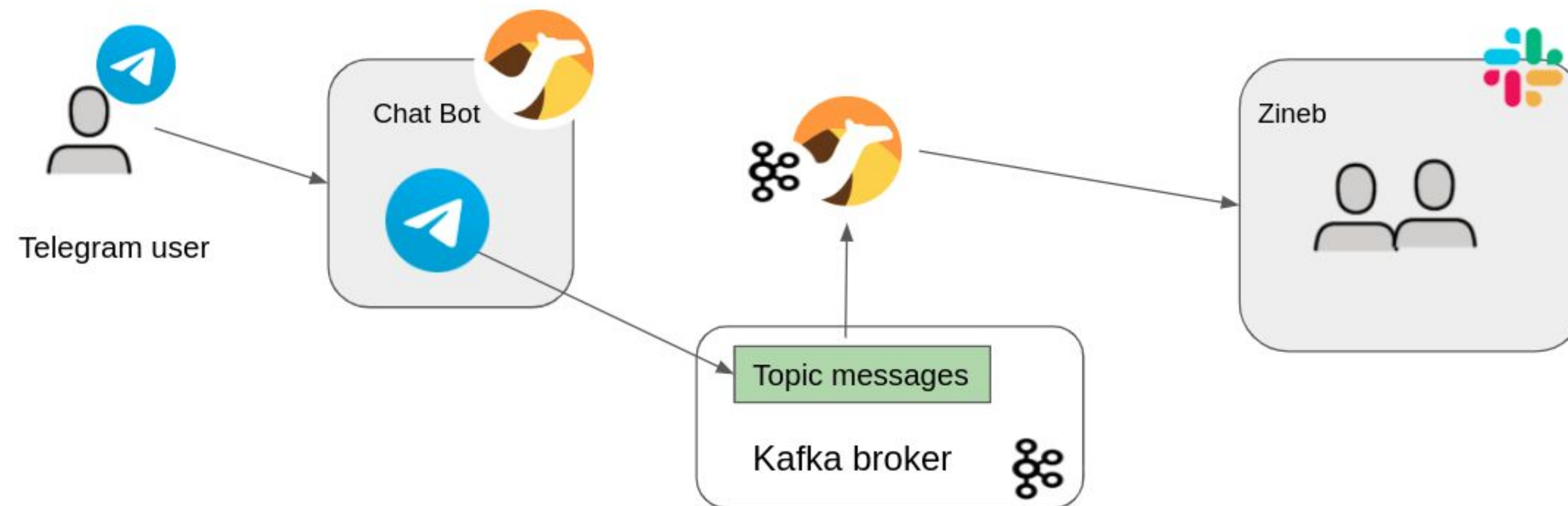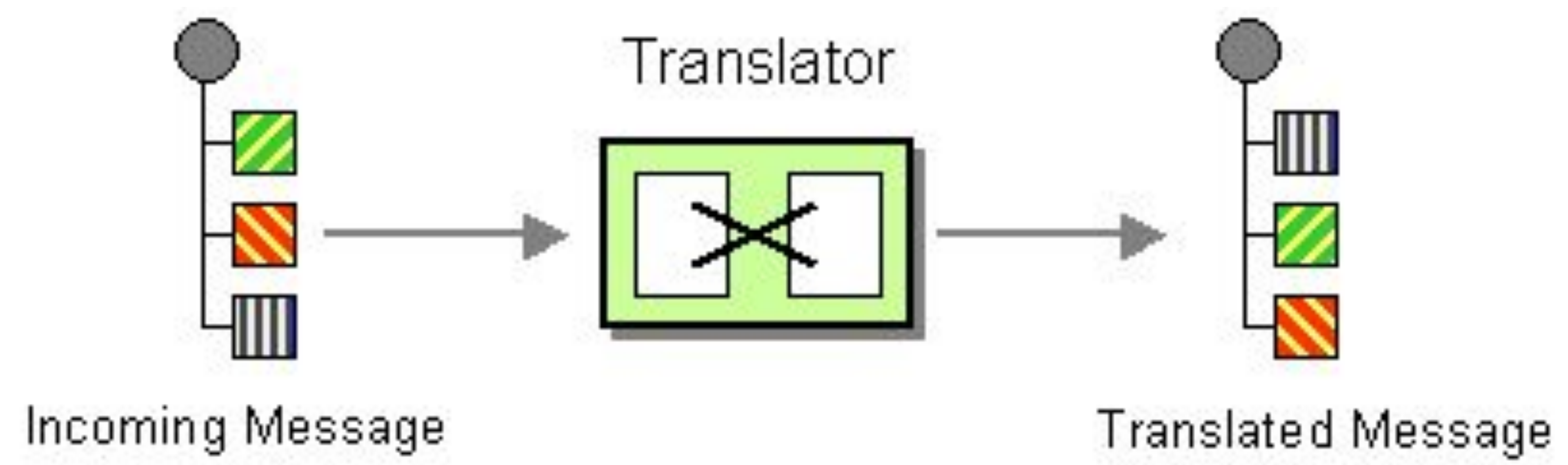- Low memory footprint ⇒ More containers with the same amount of RAM

Demo

Demo : Telegram Bot : camel_quarkus

Telegram user → Chat Bot → Topic messages / Kafka broker → Zineb

Message Translater EIP

Links

- https://camel.apache.org/

- https://github.com/apache/camel-quarkus

- https://camel.zulipchat.com/

- https://zinebbendhiba.com/conf/

Devoxx France 2022

Thank you
Merci