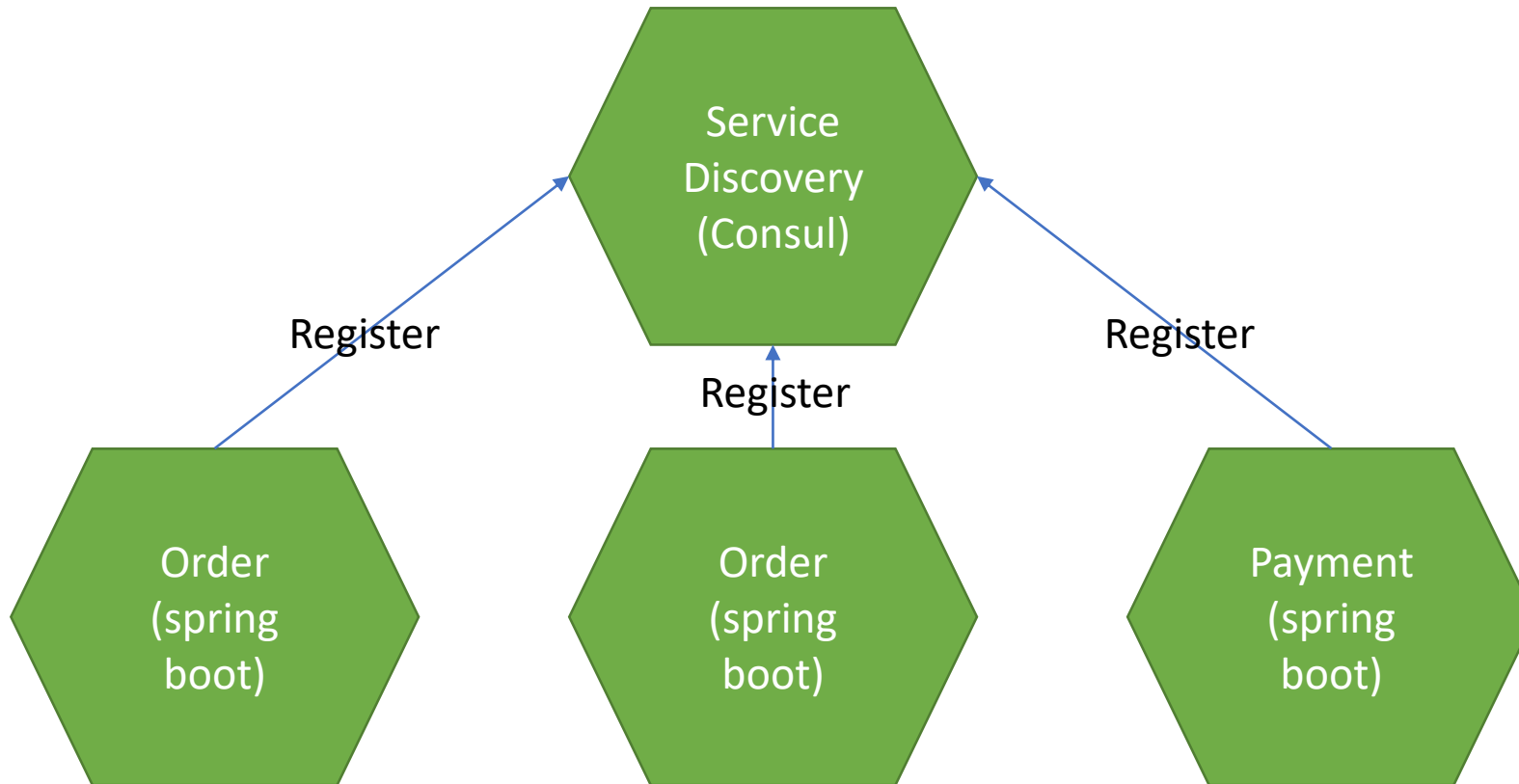


# Spring cloud

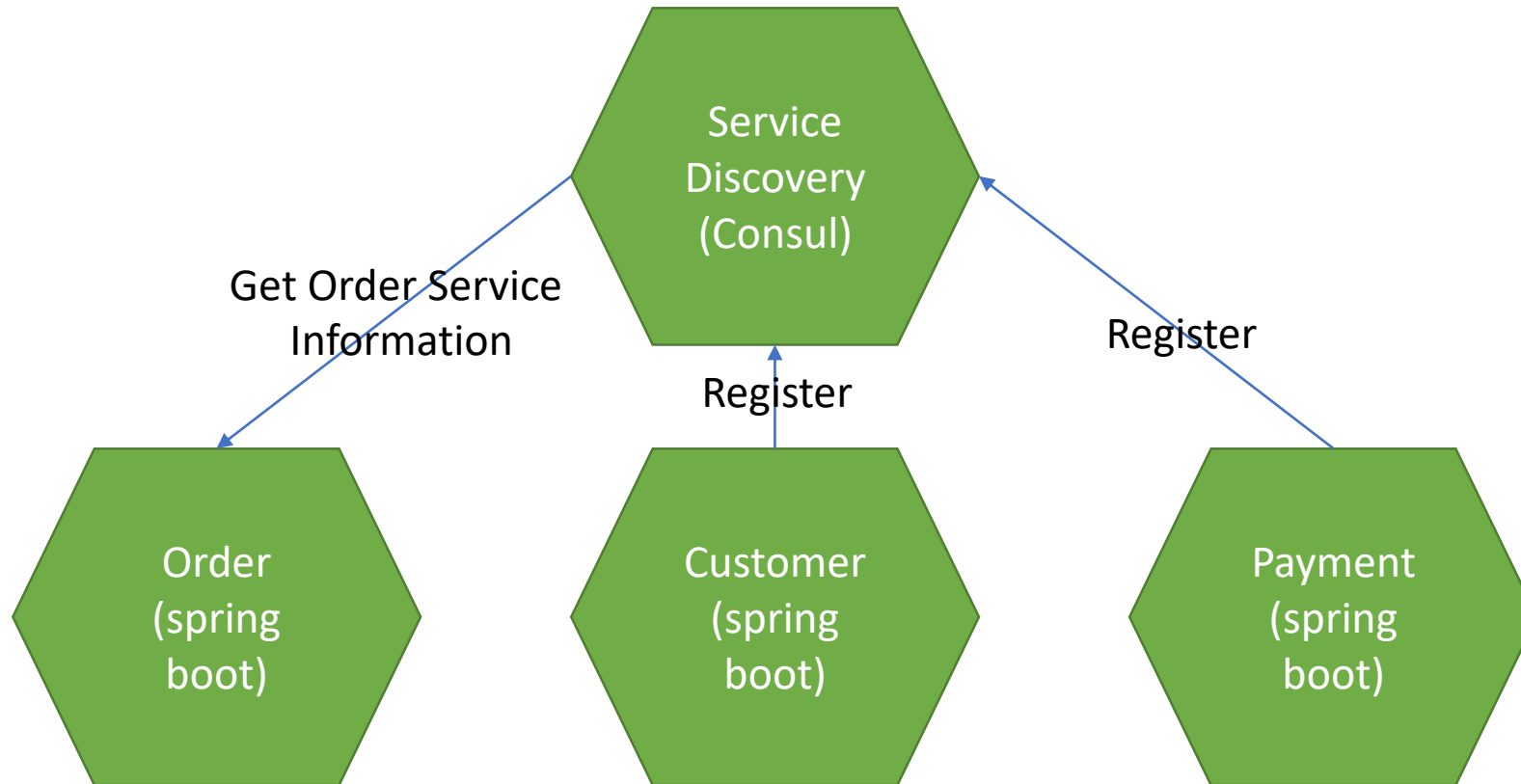
Technical research – SYD

prdc

# Service Registry



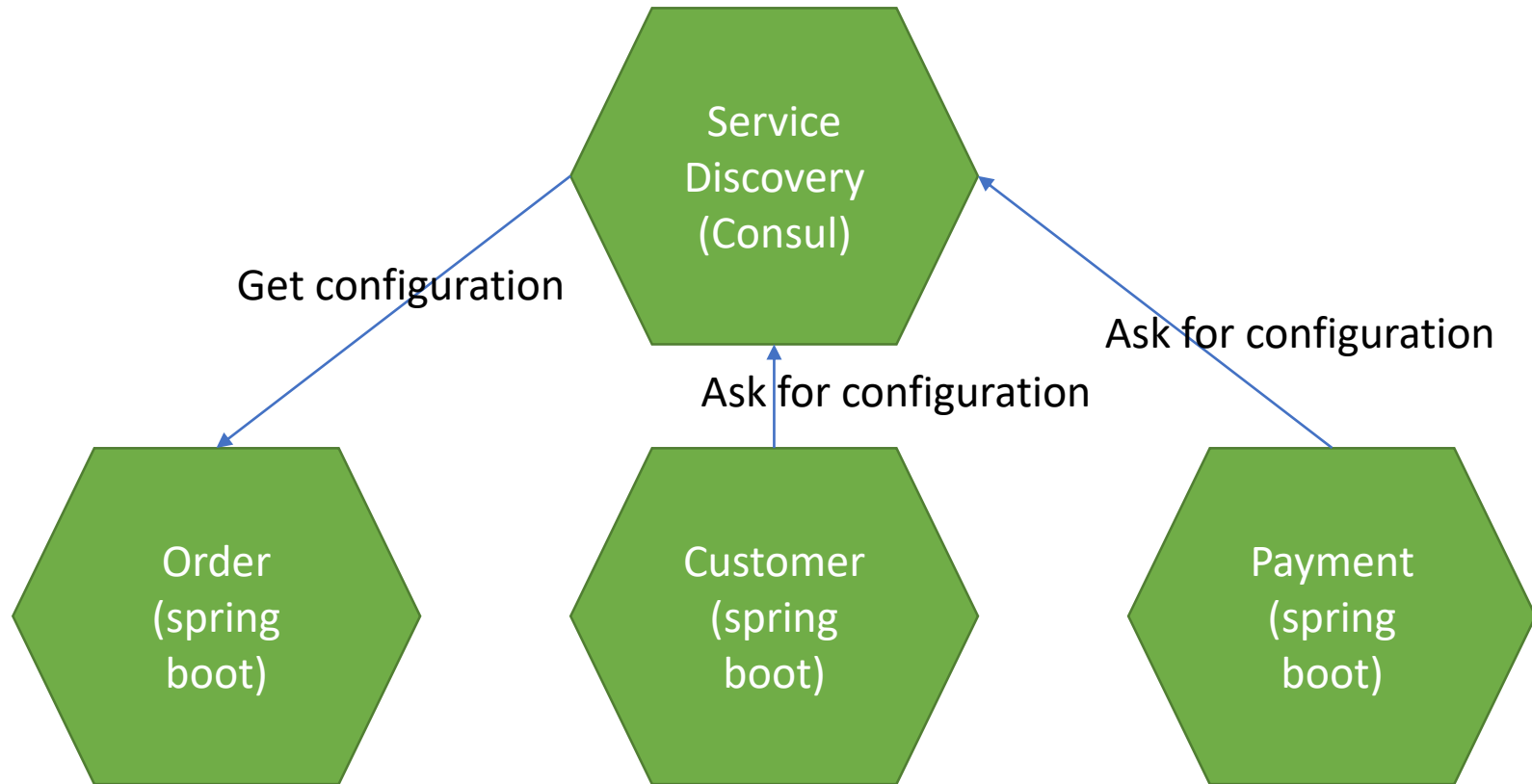
# Service Registry



# Service Registry (Technology Stack)

- Consul as Service Registry Server
- Spring cloud consul ( Consul discovery)
- Spring Cloud Feign ( declarative web service client)
- Spring boot actuator
- Spring boot ribbon ( client side load balancer)
- Spring boot webflux

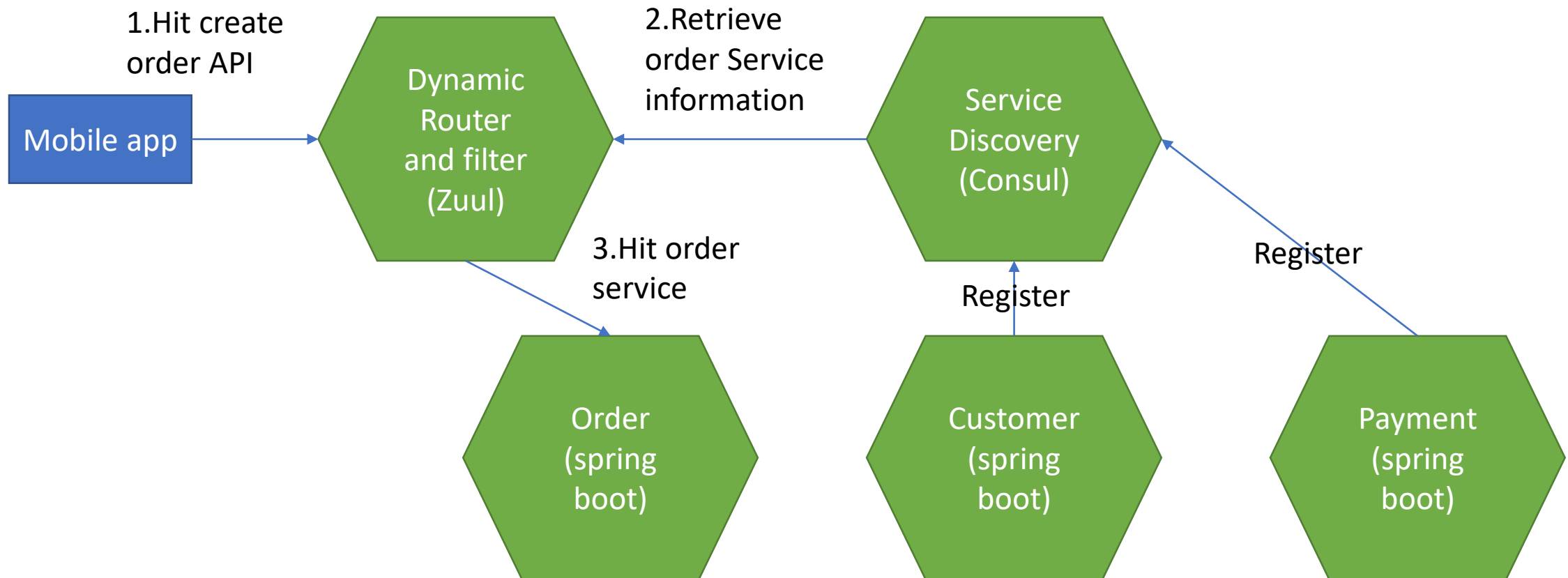
# Externalized Configuration



# Service Registry (Technology Stack)

- Consul as Service Registry Server
- Spring cloud consul ( Consul discovery)
- Spring cloud consul config (configuration client)
- Spring cloud consul bus ( notify if there is new config)

# Dynamic Routing

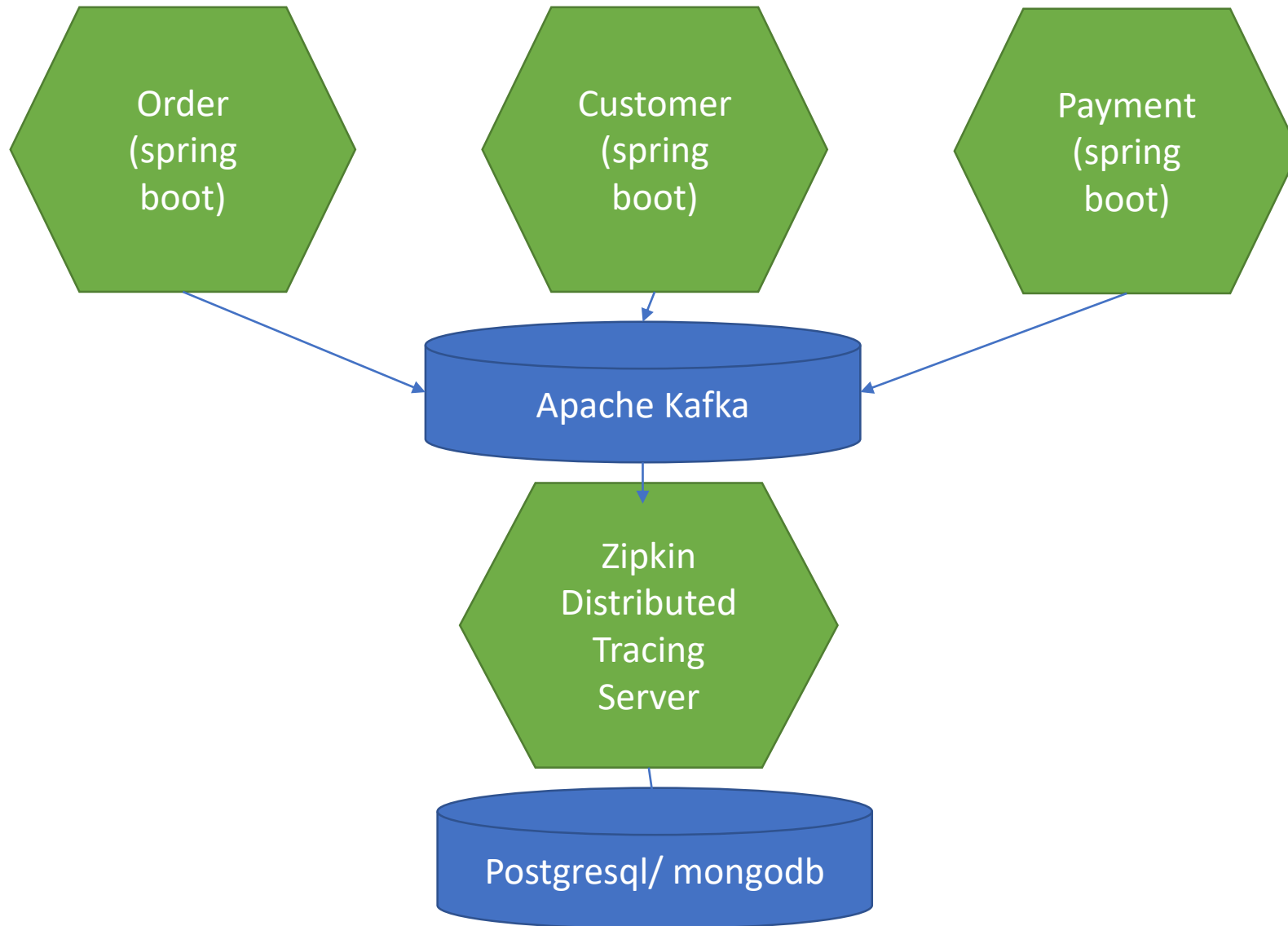


# Dynamic Routing (Technology Stack)

- Consul as Service Registry Server
- Spring cloud zuul
- Spring cloud consul ( Consul discovery)
- Spring boot actuator
- Spring boot ribbon ( client side load balancer)
- Spring boot webflux



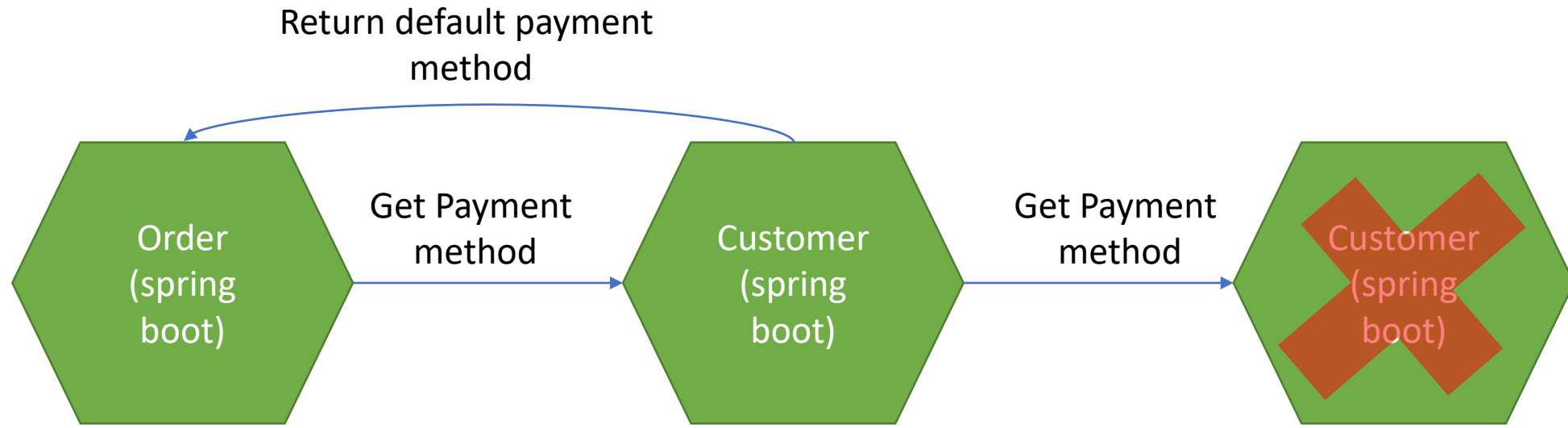
# Distributed Tracing



# Distributed Tracing (Technology Stack)

- Zipkin Server
- Spring cloud sleuth ( generate request id)
- Spring cloud sleuth zipkin
- Spring cloud bus amqp

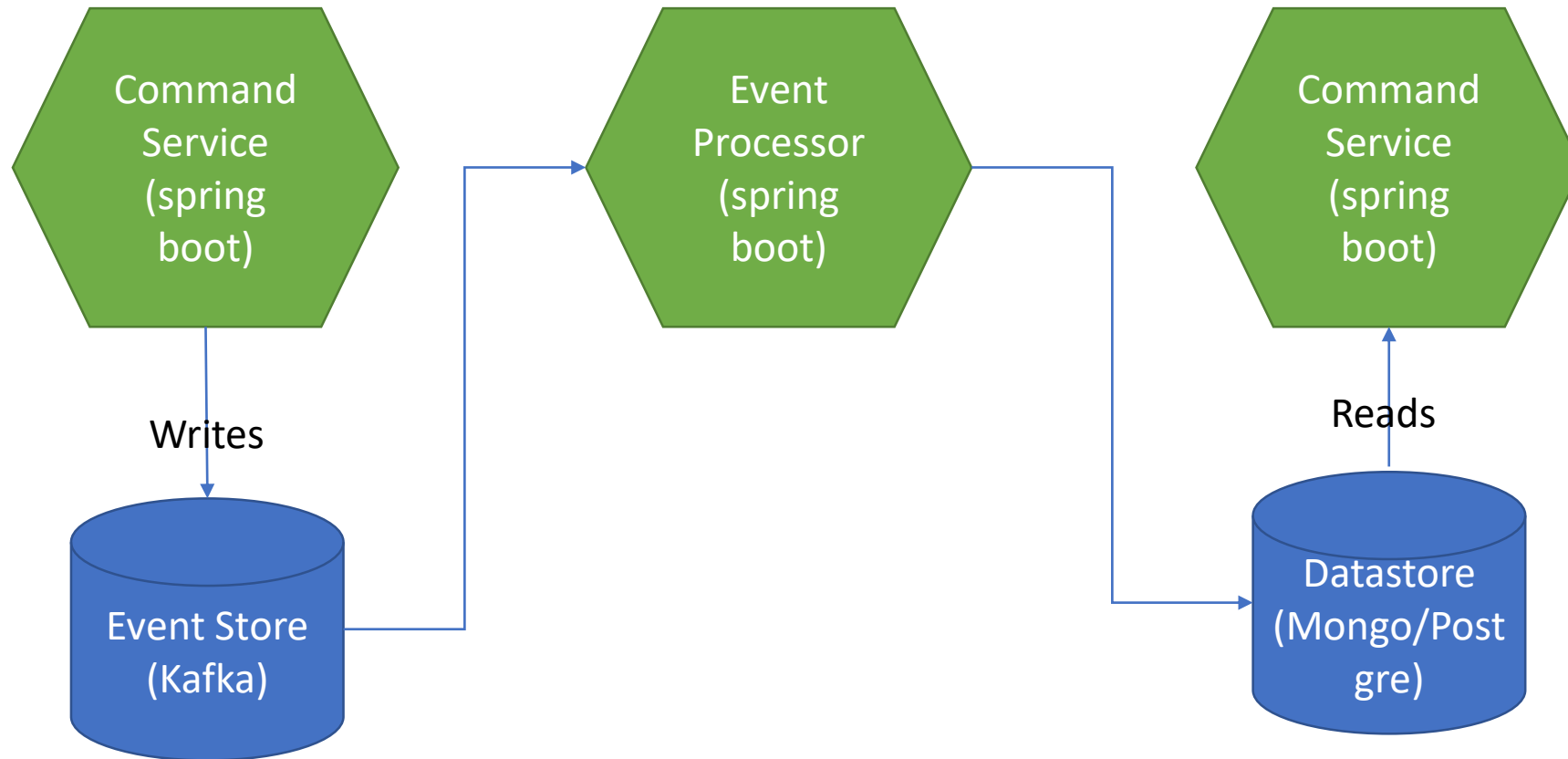
# Fault Tolerance



# Fault Tolerance

- Spring cloud hystrix
- Spring cloud turbine (“dashboard monitoring”)

# CQRS and ES



# CQRS and ES ( Technology Stack)

- Spring boot webflux
- Spring cloud stream
- Apache kafka
- Postgresql/mongodb