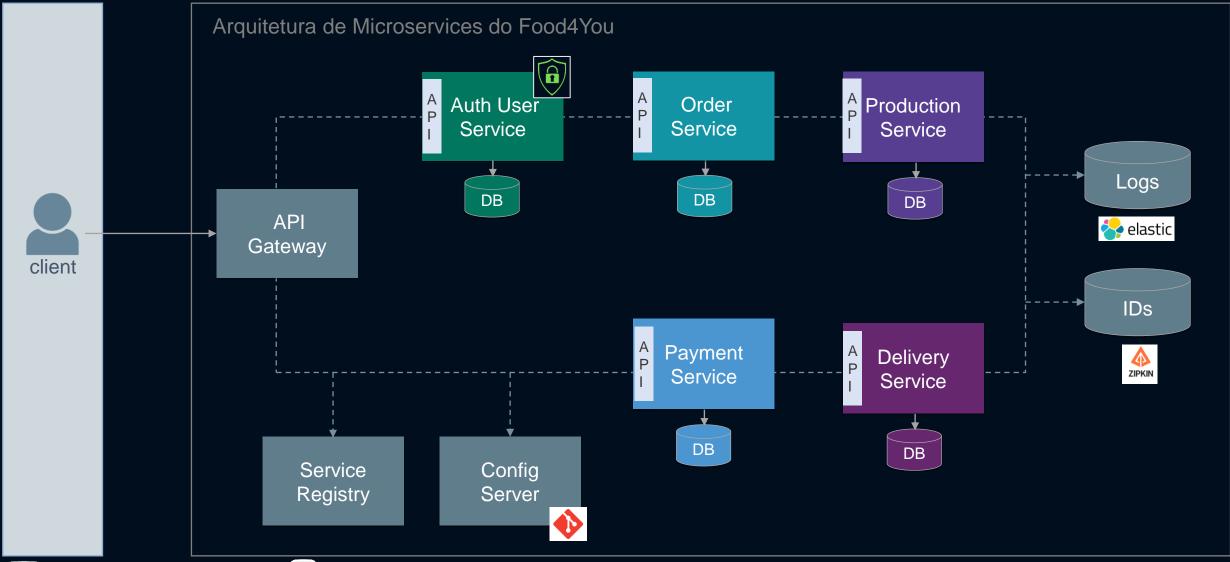




Patterns para Arquiteturas de Microservices

DIA 3

Arquitetura completa do Food4You



Microservices Patterns são um conjunto de ferramentas para não reinventar a roda em soluções já conhecidas.

Boas práticas e padrões em Microservices

Broker Pattern e Mediator Pattern

API Composition Pattern

Event Notification Pattern

Registry Discovery Pattern

Event-Carried State Transfer Pattern

Distributed Tracing Pattern

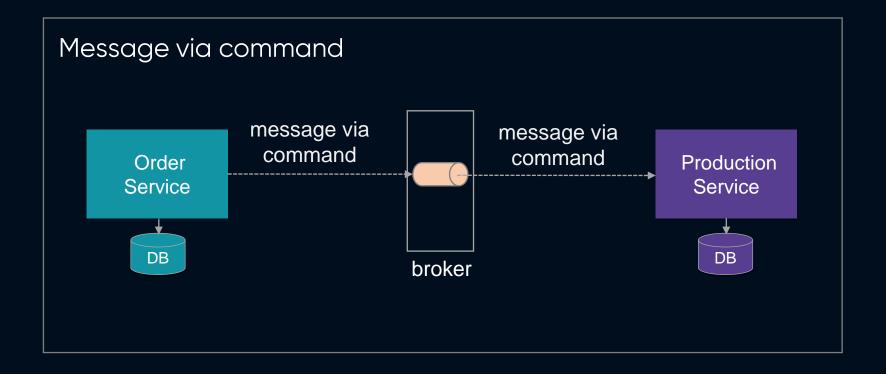
Saga Pattern com Coreografia

Log Aggregation Pattern

Saga Pattern com Orquestração



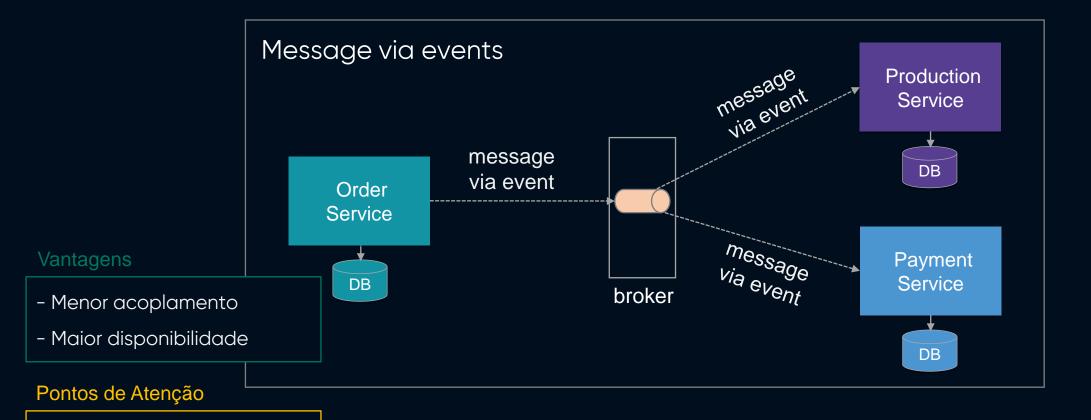
Broker Pattern



Utilizado nas comunicações assíncronas via mensageria.



Broker Pattern





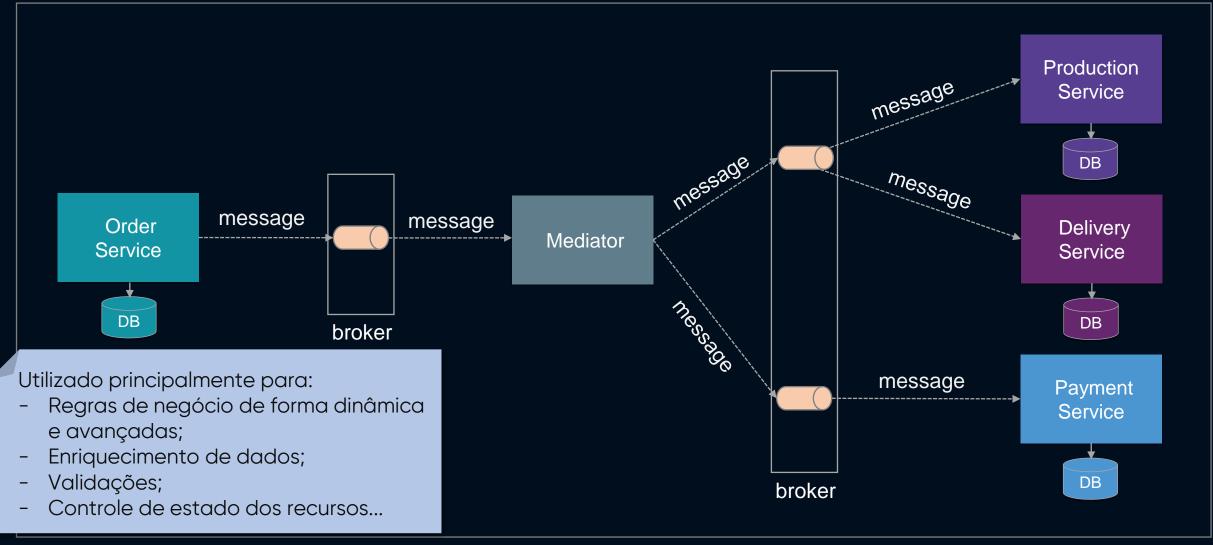
Giovann youtube.com/michellibrito O @brito_michelli

desdobramentos de eventos

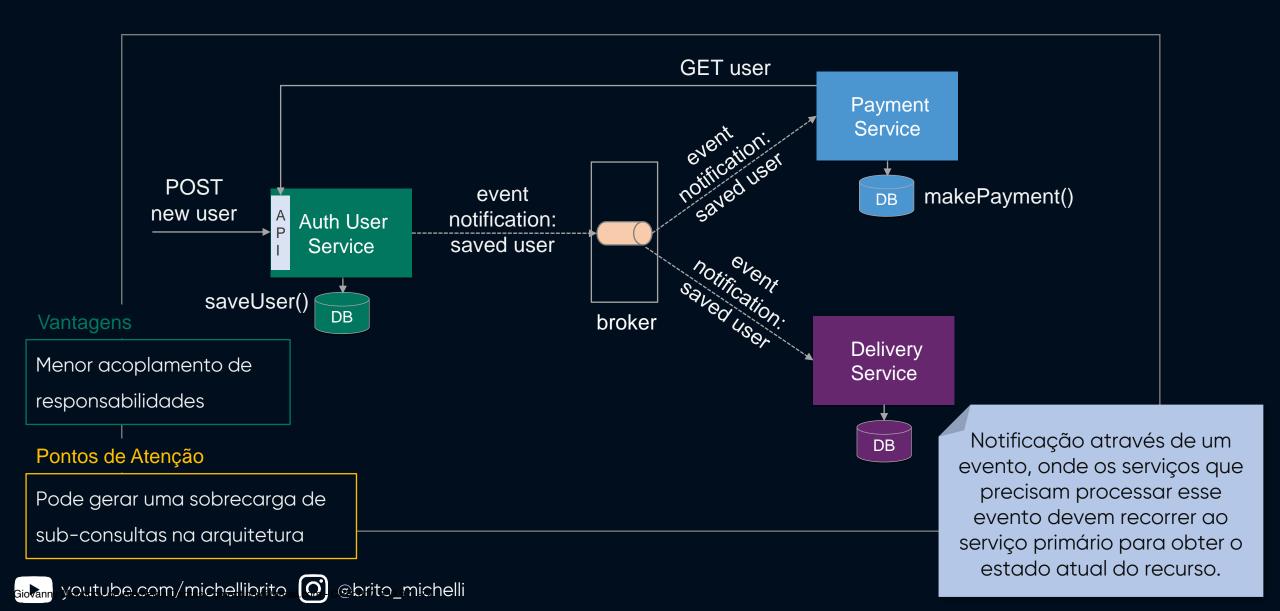
Cuidado com os



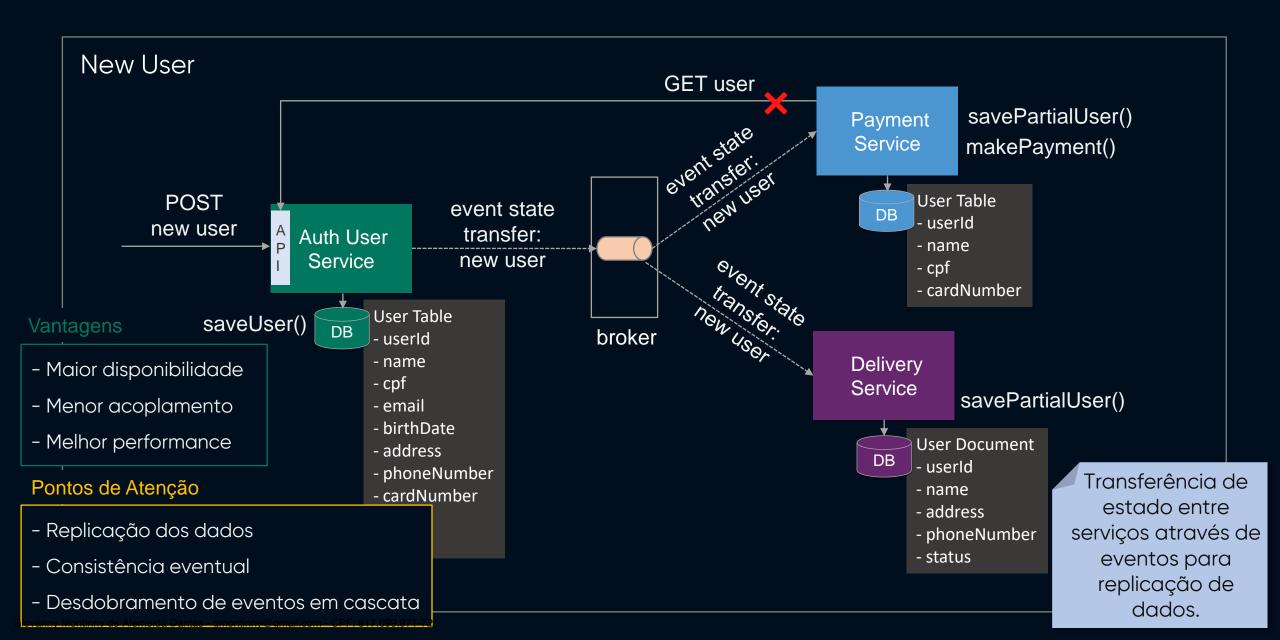
Mediator Pattern



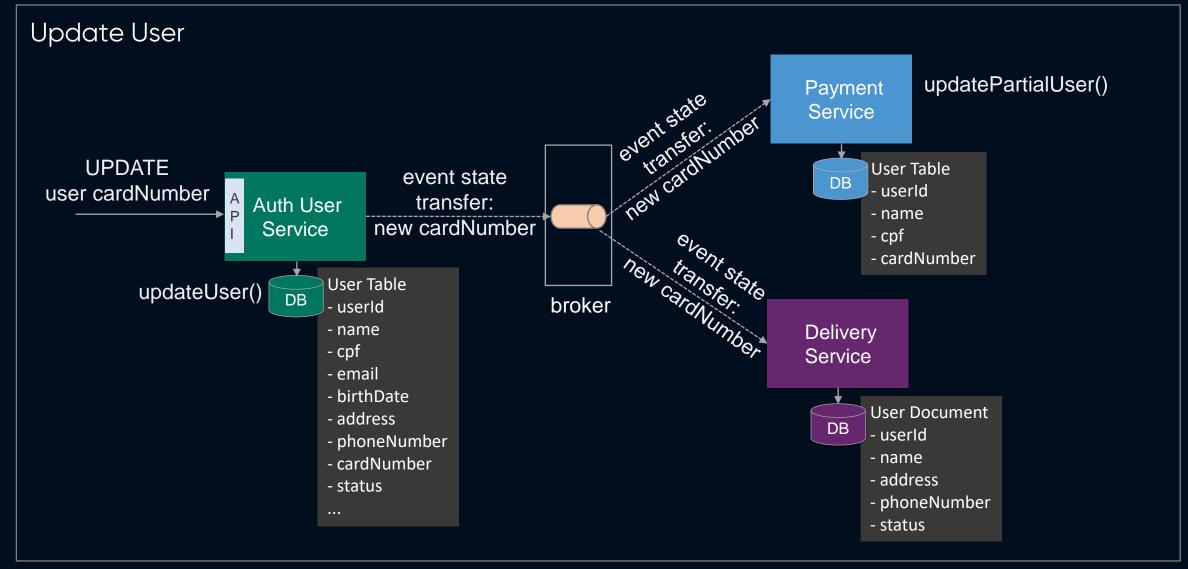
Event Driven – Event Notification Pattern



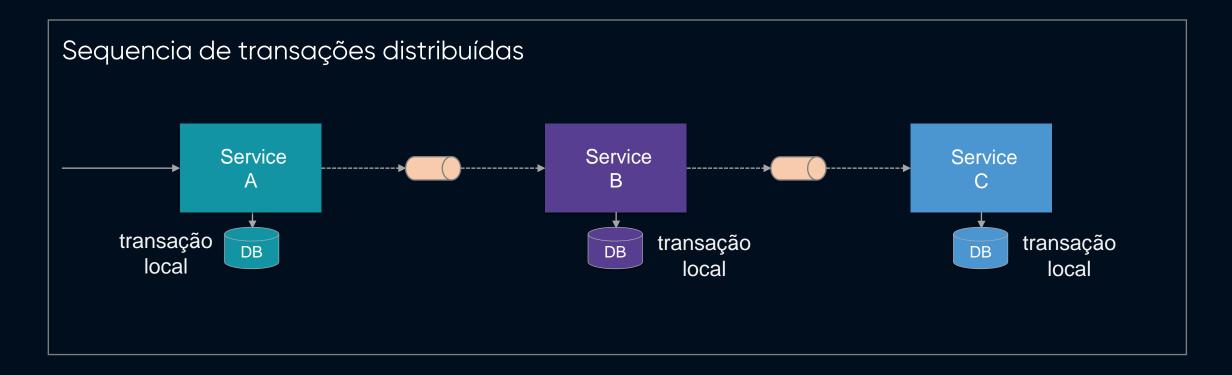
Event Driven – Event Carried State Transfer Pattern



Event Driven – Event Carried State Transfer Pattern



Saga Pattern



Sequencia de transações locais que envolvem múltiplos Microservices quando temos dados distribuídos na arquitetura.



Saga Pattern

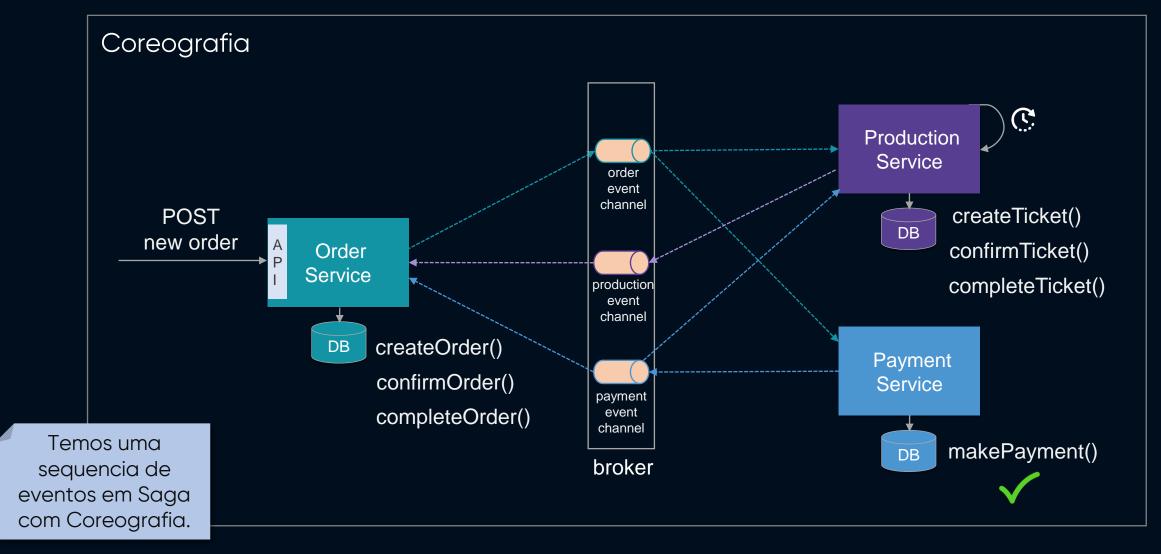
Sequencia de transações distribuídas com compensação de dados Service Service Service compensação transação transação transação DB DB local local local compensação compensação

> Compensação de dados do estado atual dos recursos.

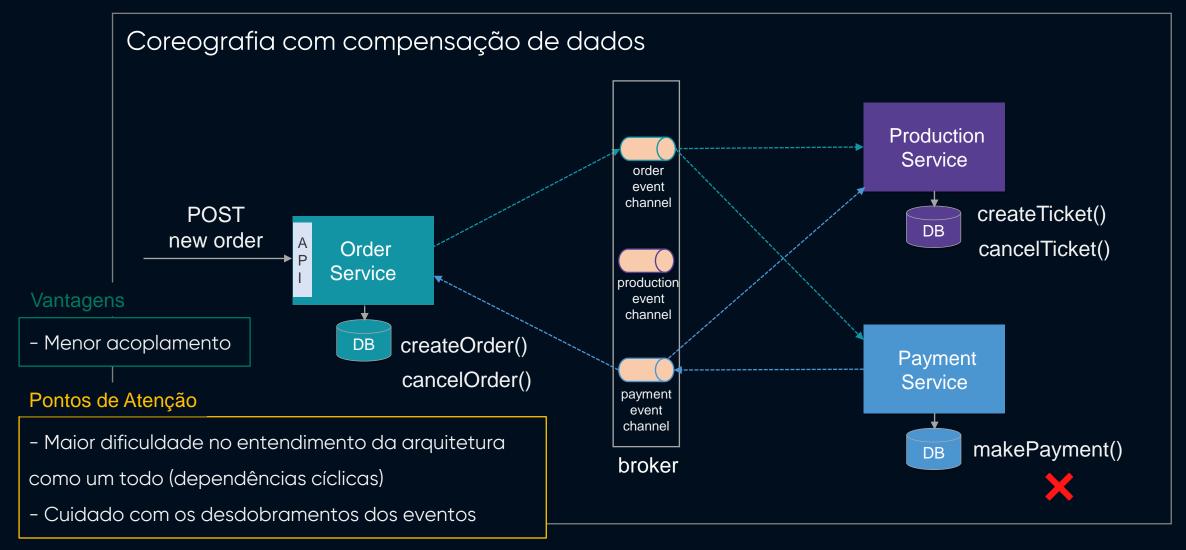




Saga Pattern com Coreografia

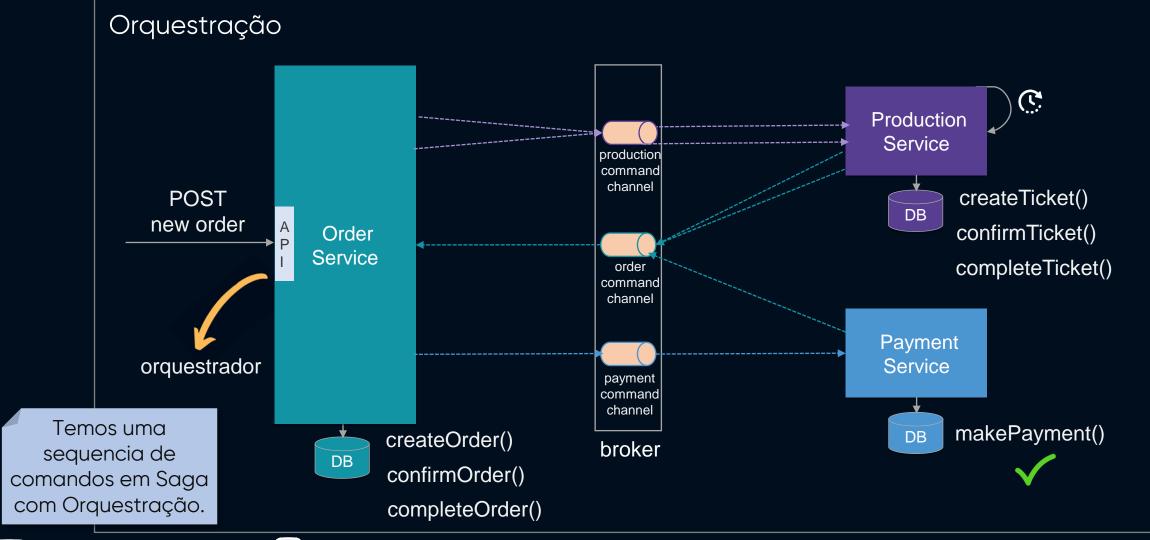


Saga Pattern com Coreografia





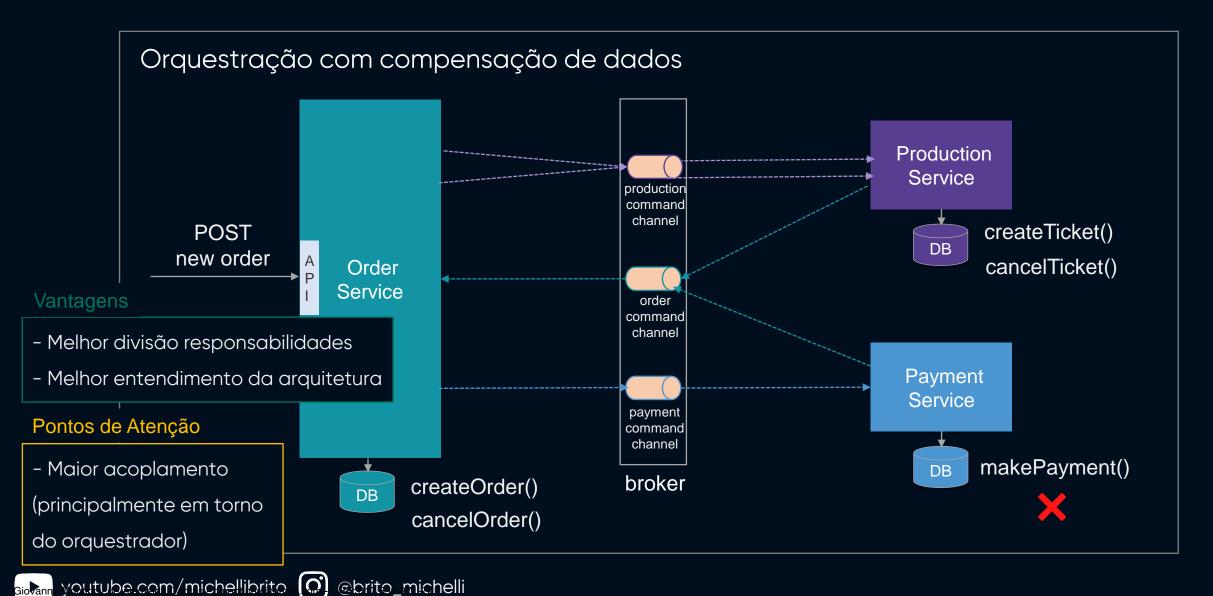
Saga Pattern com Orquestração



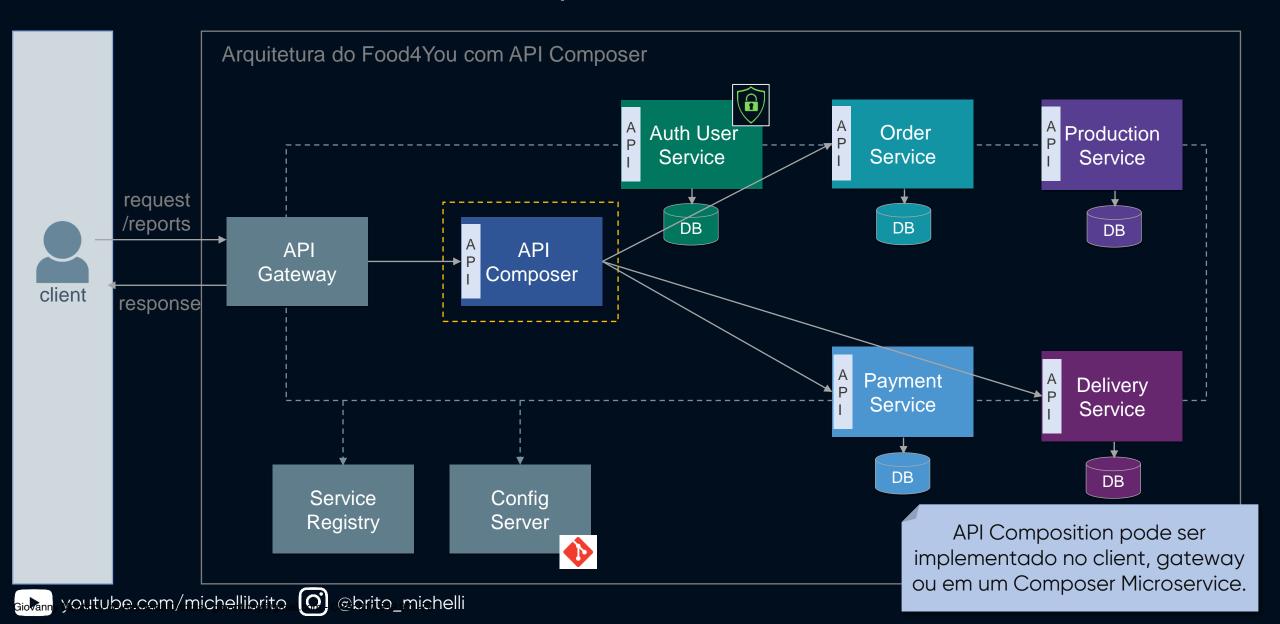


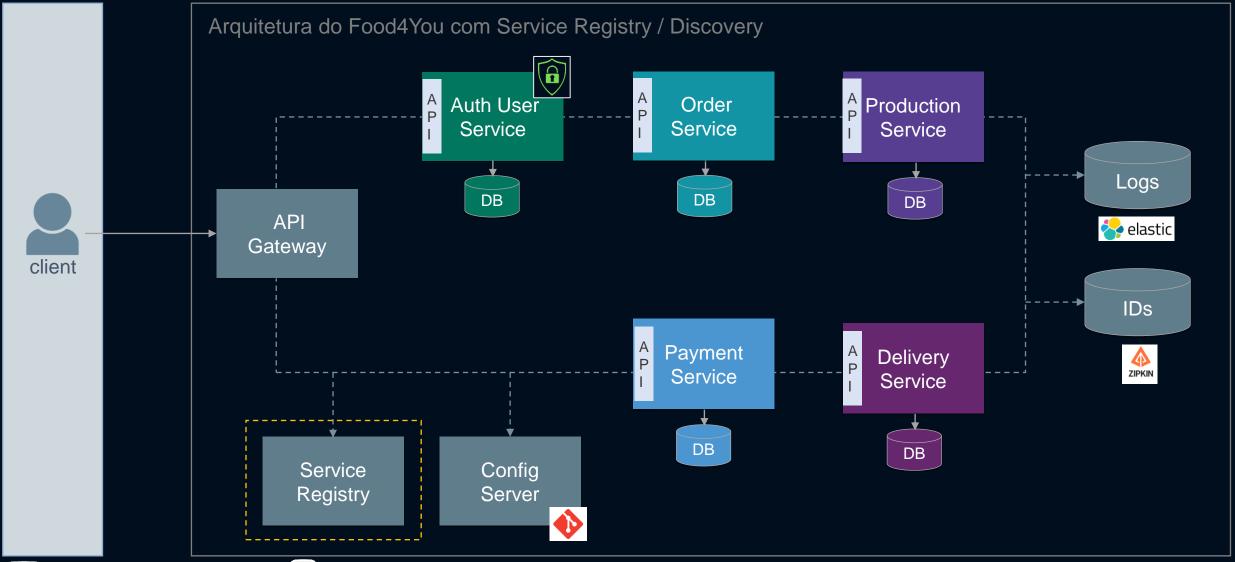


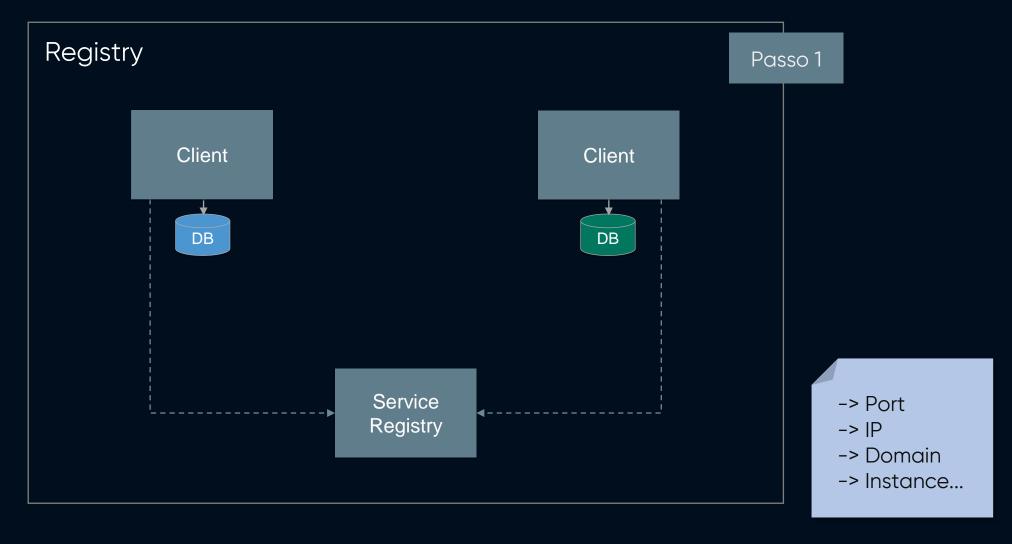
Saga Pattern com Orquestração

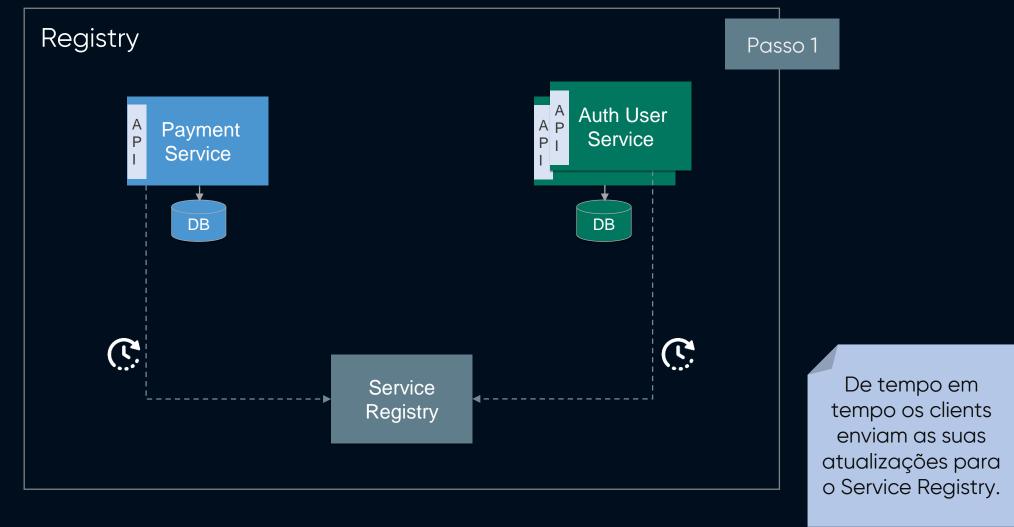


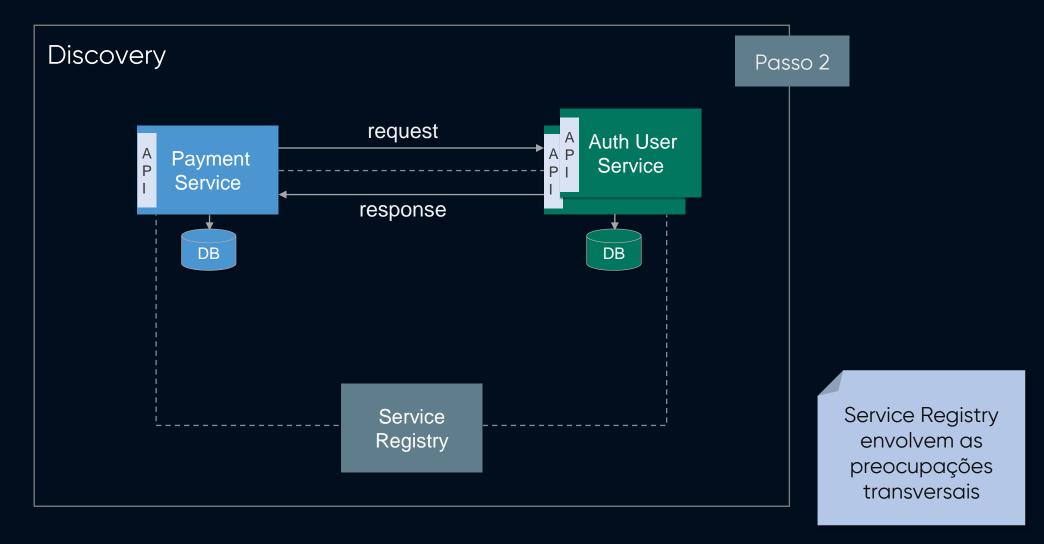
API Composition Pattern



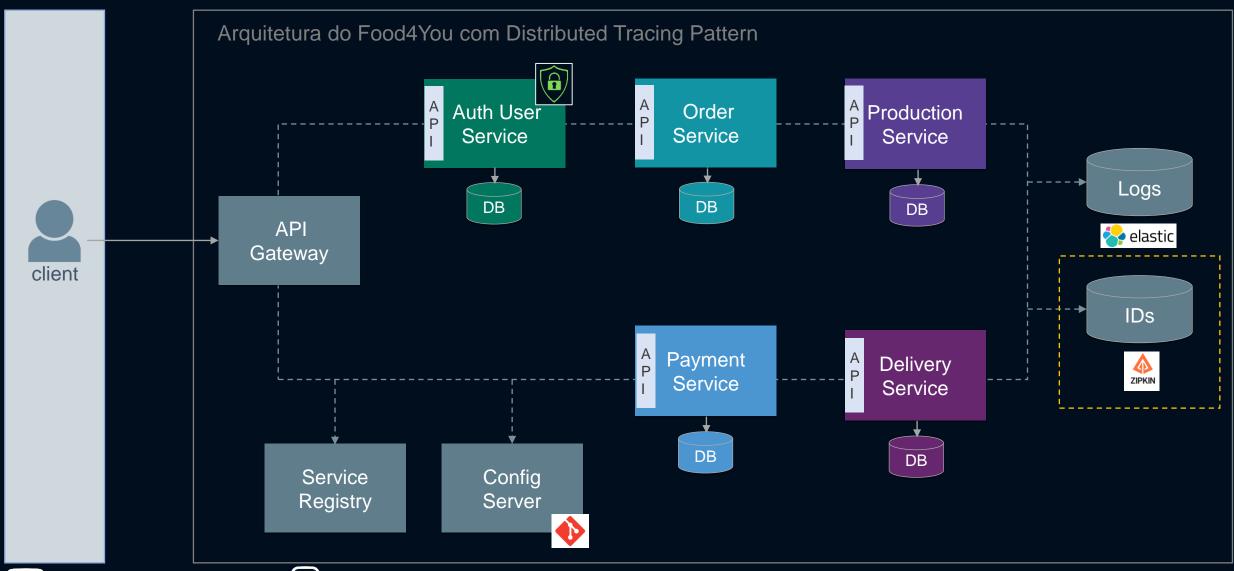


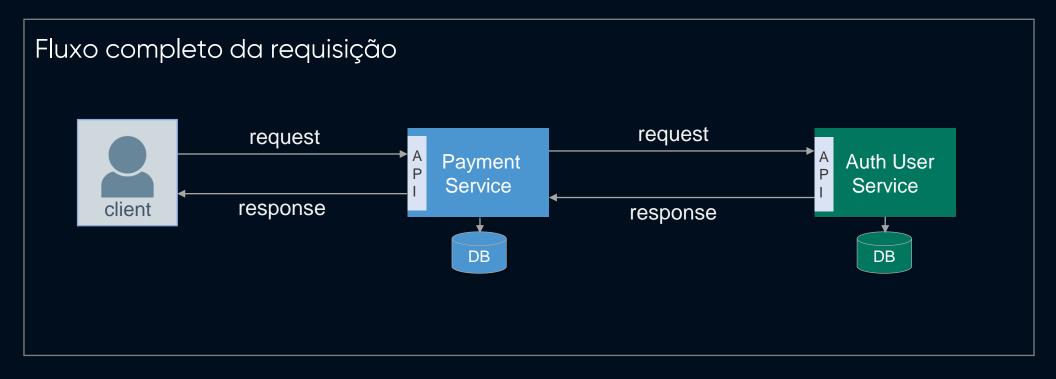






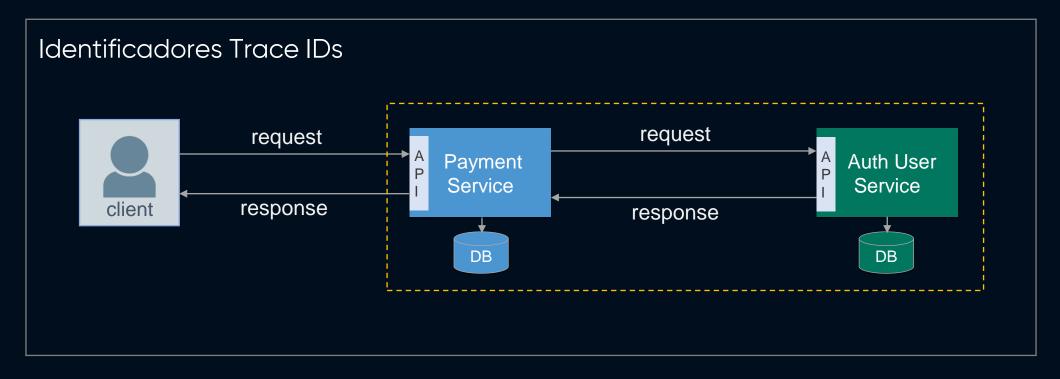






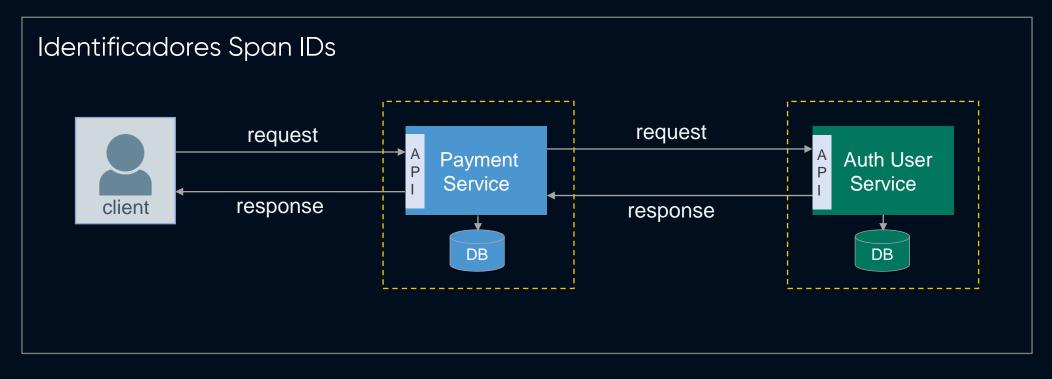
Tempo total da request = Payment Service + Auth User Service





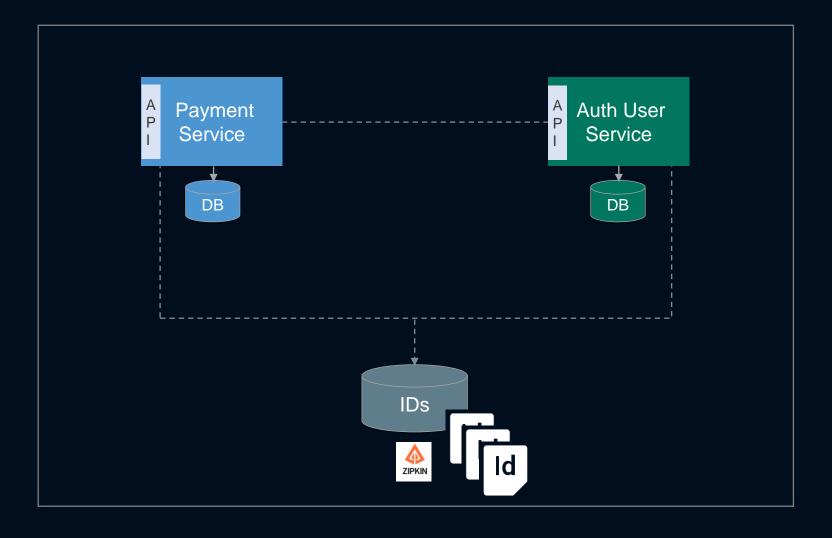
Tempo total da request = Payment Service + Auth User Service





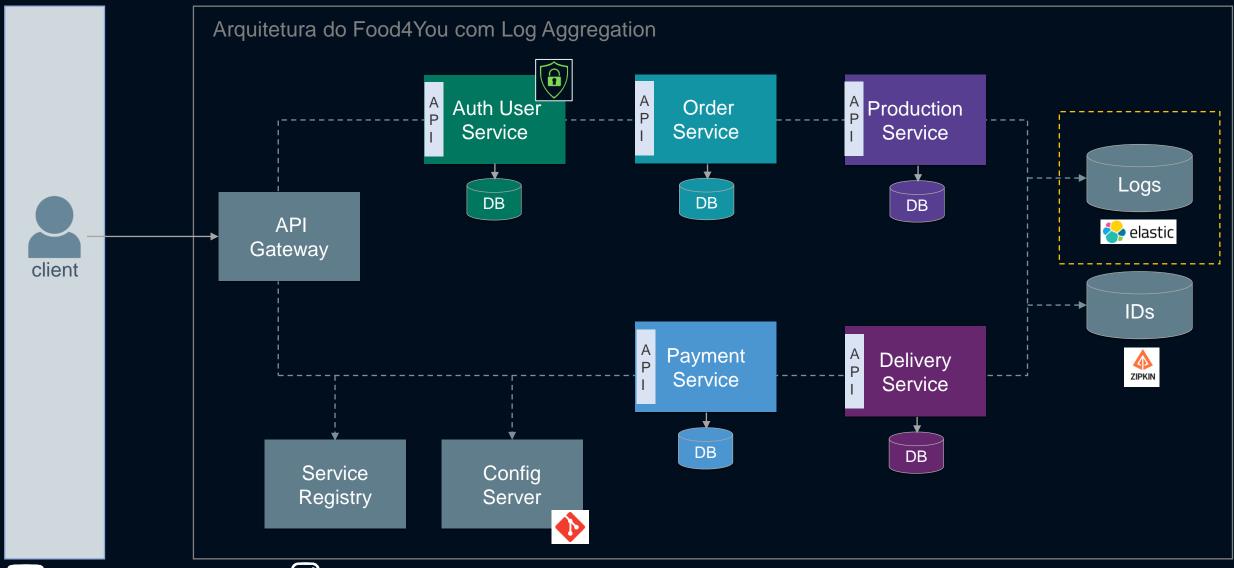
Tempo total da request = Payment Service + Auth User Service



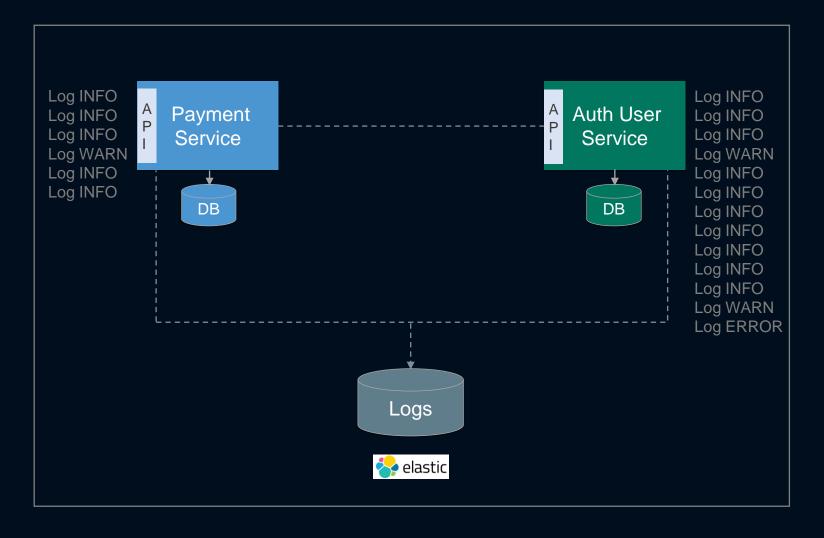




Log Aggregation Pattern

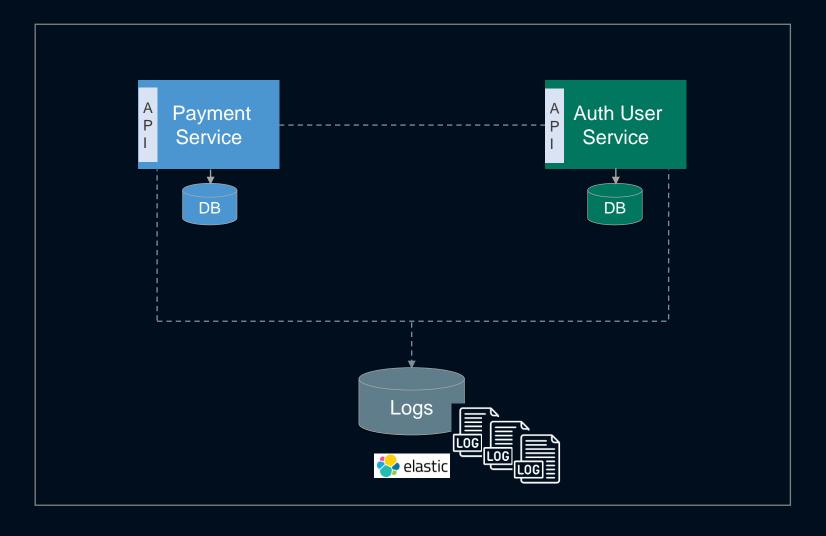


Log Aggregation Pattern



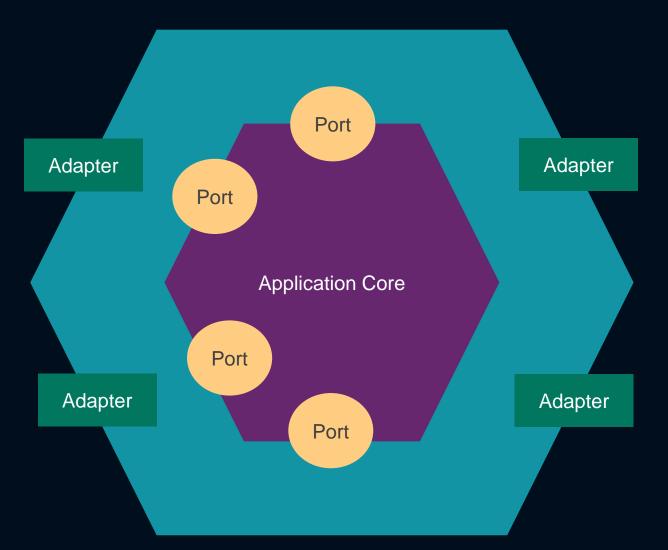


Log Aggregation Pattern

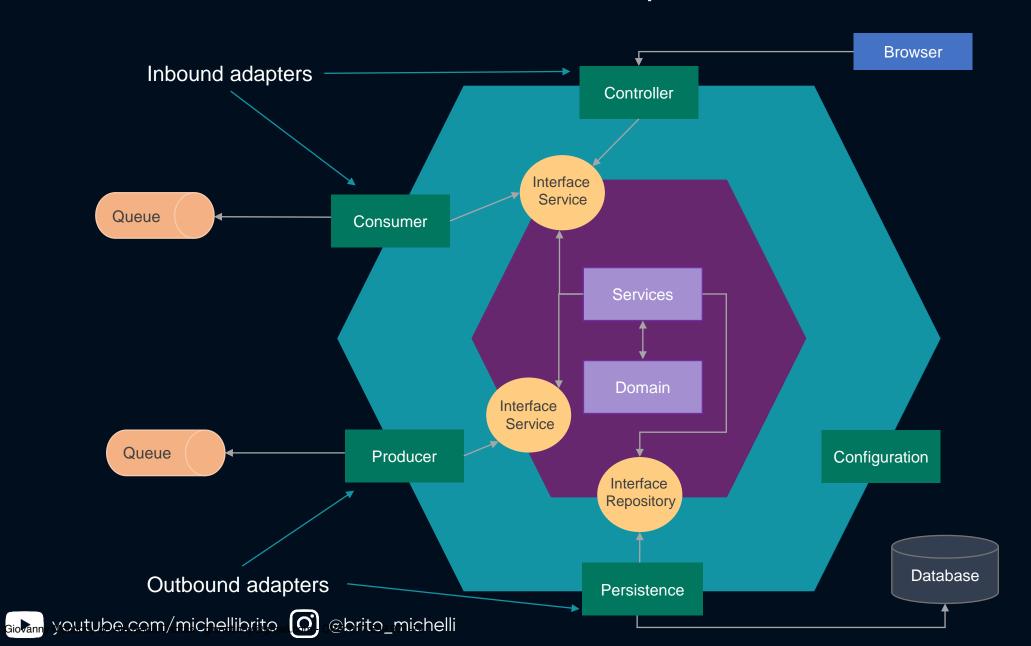




Ports and Adapters Pattern



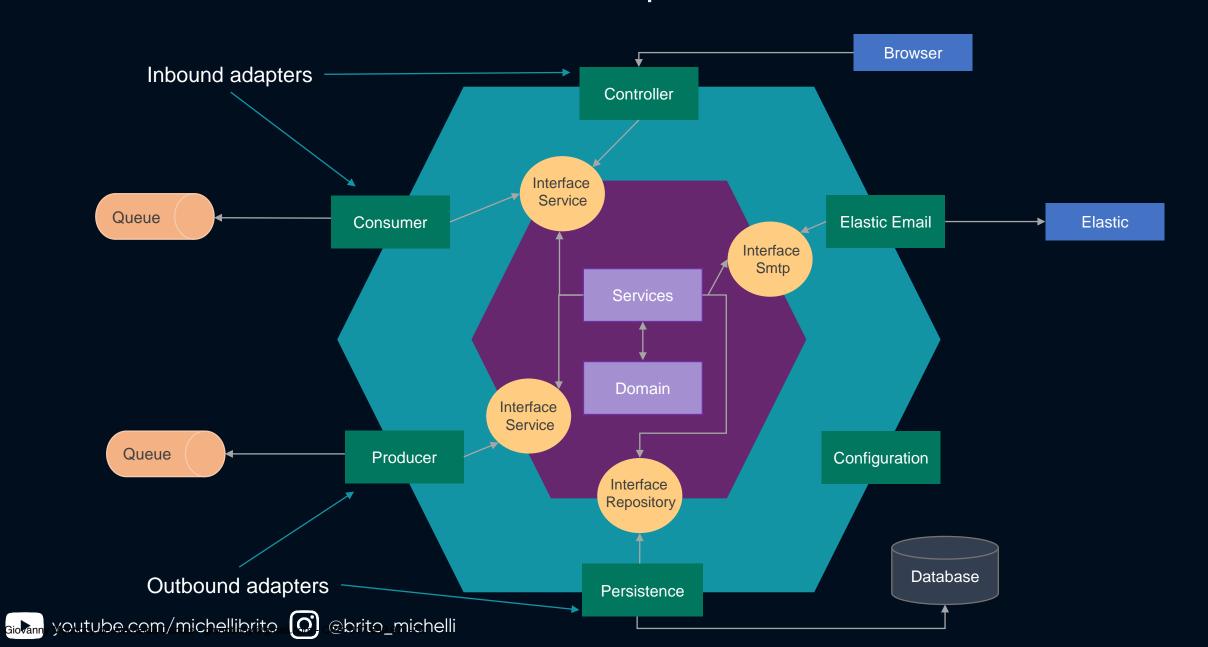
Design de Negócio Arquitetura Hexagonal

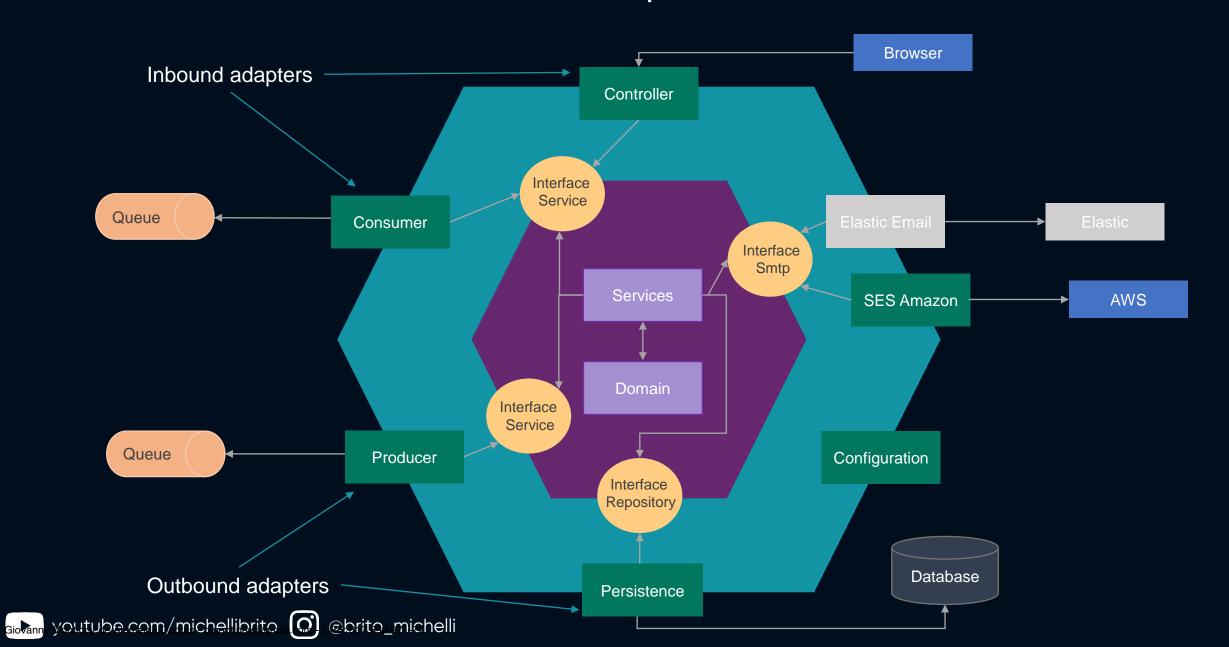


Arquitetura Hexagonal trata-se da dissociação da lógica de negócio das tecnologias e frameworks, preocupando-se principalmente com a SUSTENTABILIDADE.

Ou seja, a capacidade e a facilidade de modificar, testar e modernizar softwares ao longo do tempo.







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