Microservice Canvas Template

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About this template

Use this to document your services.

To learn more see https://github.com/cer/microservice-canvas.

Note:

This template is filled in to describe the Order Service, which is part of the FTGO application https://github.com/microservices-patterns/ftgo-application.

Service Name	Order Service
Description	The Order Service provides an API for creating, revising, and cancelling orders.
Capabilities	
● Order Management	

Service API

Commands	Queries	Events
Synchronous: ● createOrder() ● reviseOrder() ● cancelOrder() Asynchronous: ● …	● getOrder()	● Order Created ● Order Authorized ● Order Revised ● Order Cancelled ● …

Non-functional requirements	● 99.95% availability ● 1000 orders/second

Observability

Key Metrics	
● placed_orders ● approved_orders ● rejected_orders …	
Health check endpoint	/actuator/health

Implementation	
Domain Model	
Order aggregate	
Dependencies	
Invokes	**Subscribes to**
Consumer Service: • validateOrder() Kitchen service: • createTicket() • confirmCreateTicket() • cancelCreateTicket() Accounting Service • authorize()	Restaurant Service: • Restaurant Created event • Restaurant Menu Revised event Saga reply channels: • Create Order Saga • Revise Order Saga • Cancel Order Saga