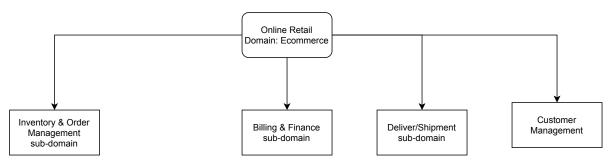
Domain Driven Design

- 1. Domain/Sub-Domain
- Context/Bounded Context
 Model
- 4. Ubiquitous Language

Divide & Conquer Technical Team + Business Experts



Order Processing Context

orderld, LineItems date, status, amount, custld

Customer/User: custld, scheduled_orders, historical orders, open_orders

Inventory Managment Context

Order: orderld, LineOfItems,

Product: productld. noOfItemsInStock, threshhold

Payment Context

paymentld, orderld, custld, amount, date. mode, status

Customer: custld, credit-card, billing_history, wallet, billing_address, scheduled_payments, payment_history Shipment Context

Customer/User

Context

Customer/User:

address, gender

custld, name,

phone, email.

Shipment: shipmentld, orderld, custld, date, status, phone,

Customer: custld, shipping_address, preference of delivery, Delivery Instructions

Vendor: vendorld, vendorName, mode, location

Order:

Payment:

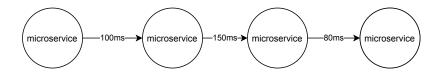
Supplier Managment Context

Supplier: supplierId, List<Product>

Product: productld, List<Supplier>

Granularity of Microservcies

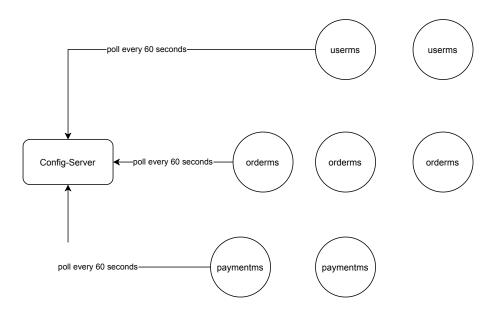
- DDD
 Thumb Rule
 Benchmark
- $2. \ \ Thumb\ Rule: Every\ request\ should\ not\ span\ across\ more\ than\ 3-5\ microservice\ calls\ in\ chain$



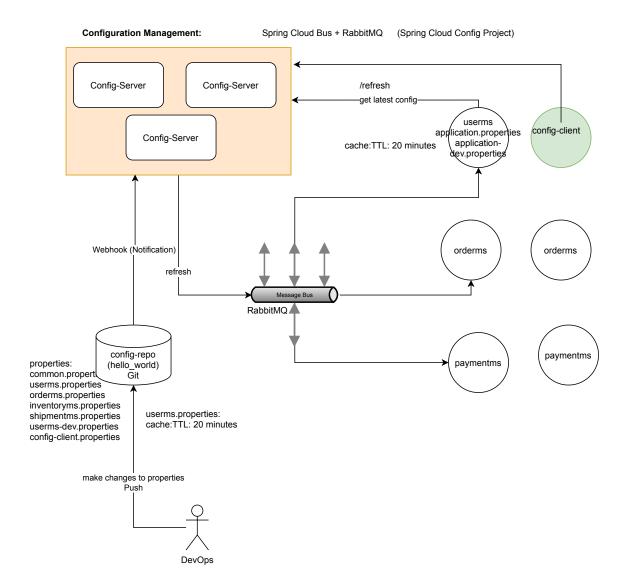
3. Benchmark

GET: /orders, /users, /payments, /shipments POST: /orders, /users, /payments, /shipments PUT: /orders, /users, /payments, /shipments DELETE: /orders, /users, /payments, /shipments

Configuration Management:

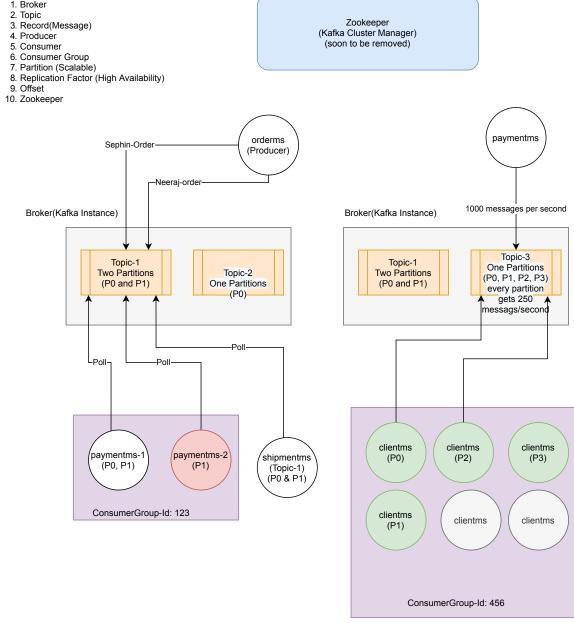


- Includes properties as part of code
 Externalize the properties
 Config-Server (Poll)
 Config-Server (Message Bus)



Kafka

- 1. Apache Kafka
- 2. Confluent Kafka
- 1. Broker



Zookeeper (Kafka Cluster Manager) (soon to be removed)

