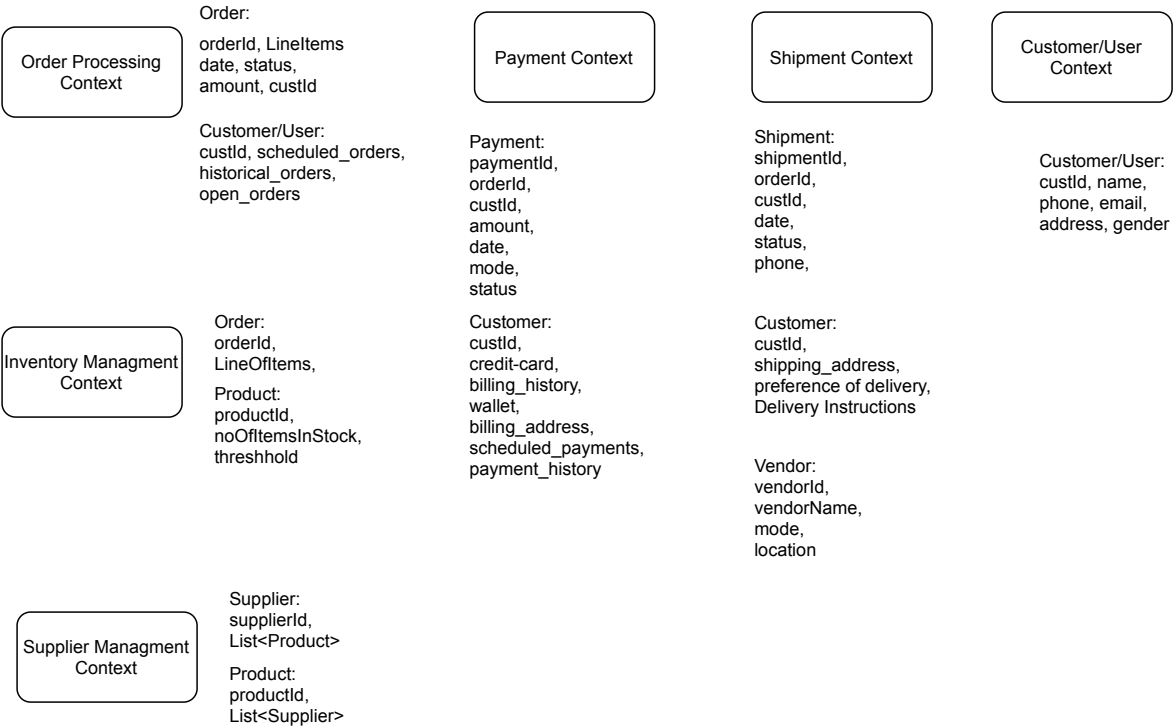
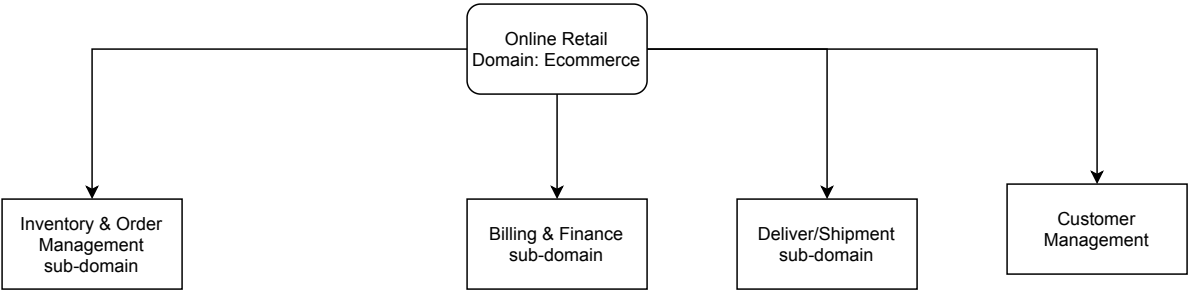


Domain Driven Design

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

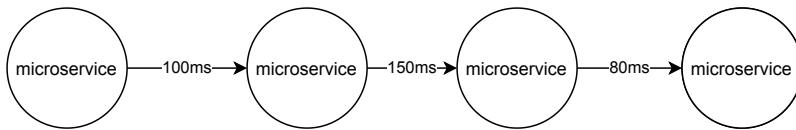
Divide & Conquer
Technical Team + Business Experts



Granularity of Microservices

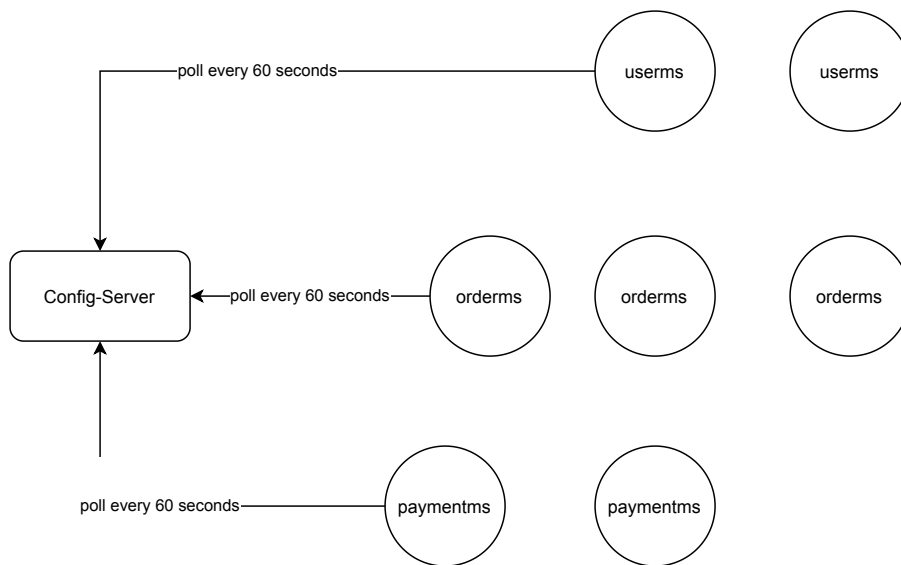
1. DDD
2. Thumb Rule
3. Benchmark

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:

1. Includes properties as part of code
2. Externalize the properties
3. Config-Server (Poll)
4. Config-Server (Message Bus)



Kafka

1. Apache Kafka
2. Confluent Kafka

1. Broker
2. Topic
3. Record(Message)
4. Producer
5. Consumer
6. Consumer Group
7. Partition (Scalable)
8. Replication Factor (High Availability)
9. Offset
10. Zookeeper

