

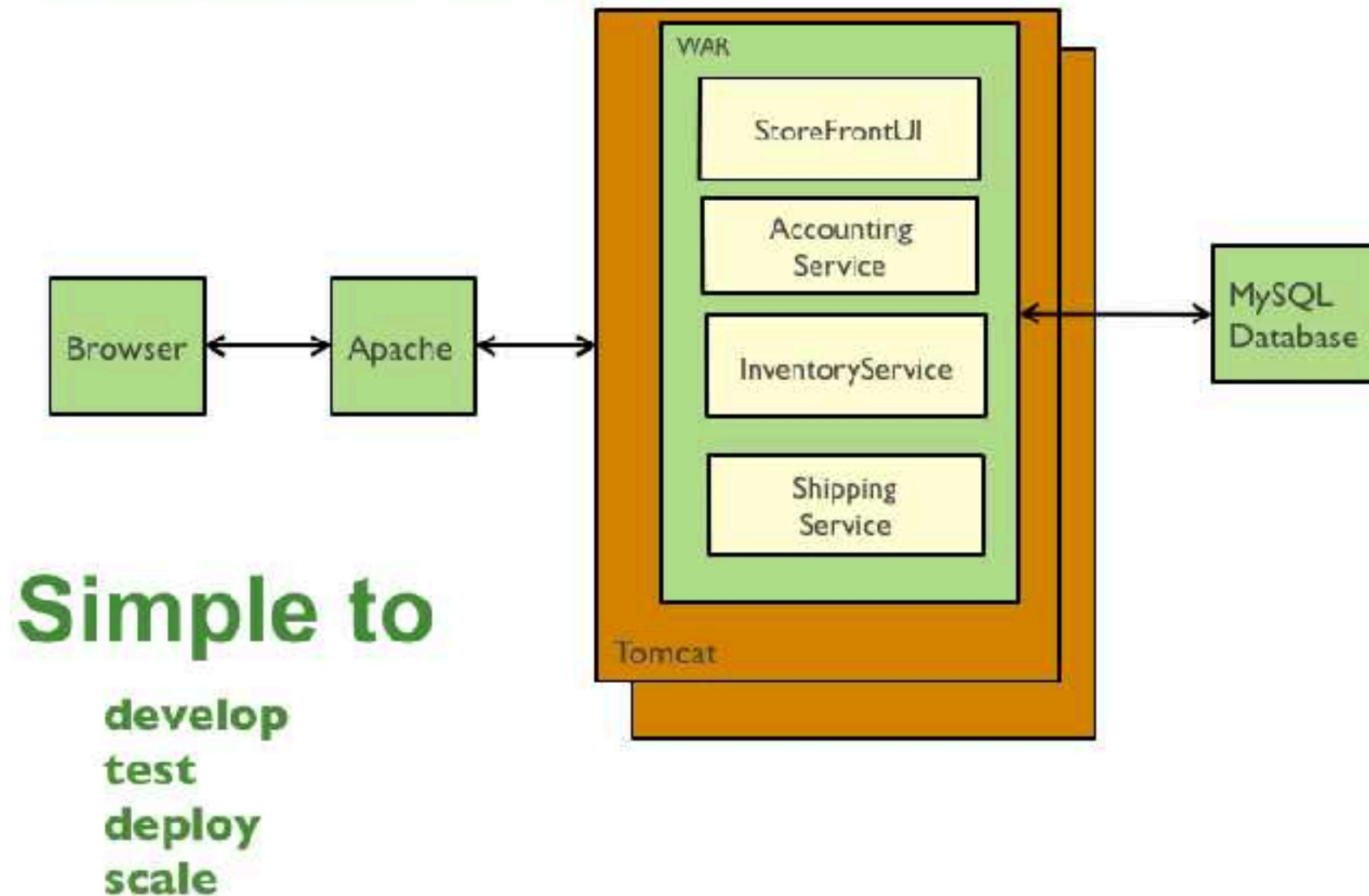
Architecture patterns

<http://microservices.io/>



Monolithic architecture

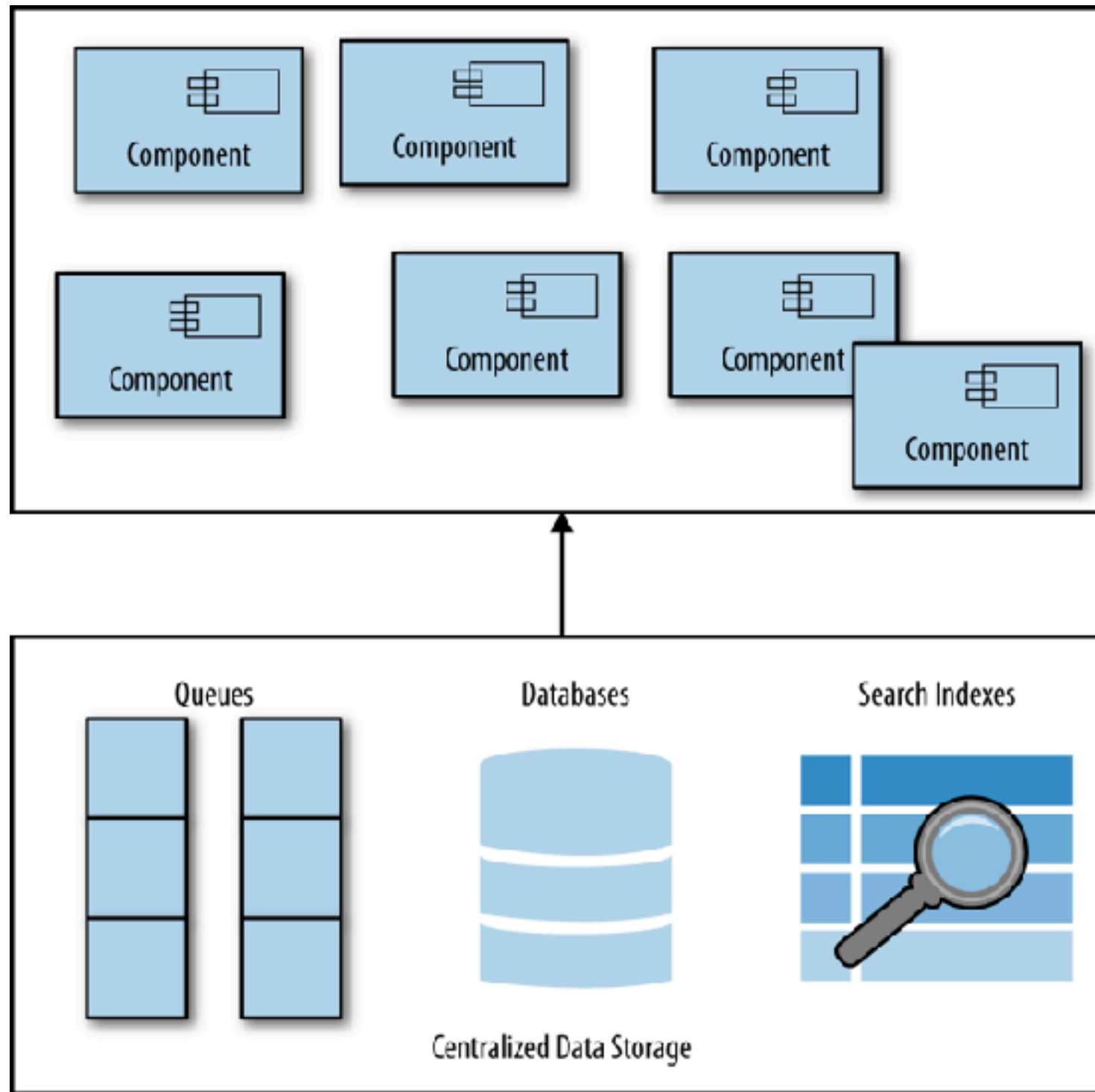
Traditional web application architecture



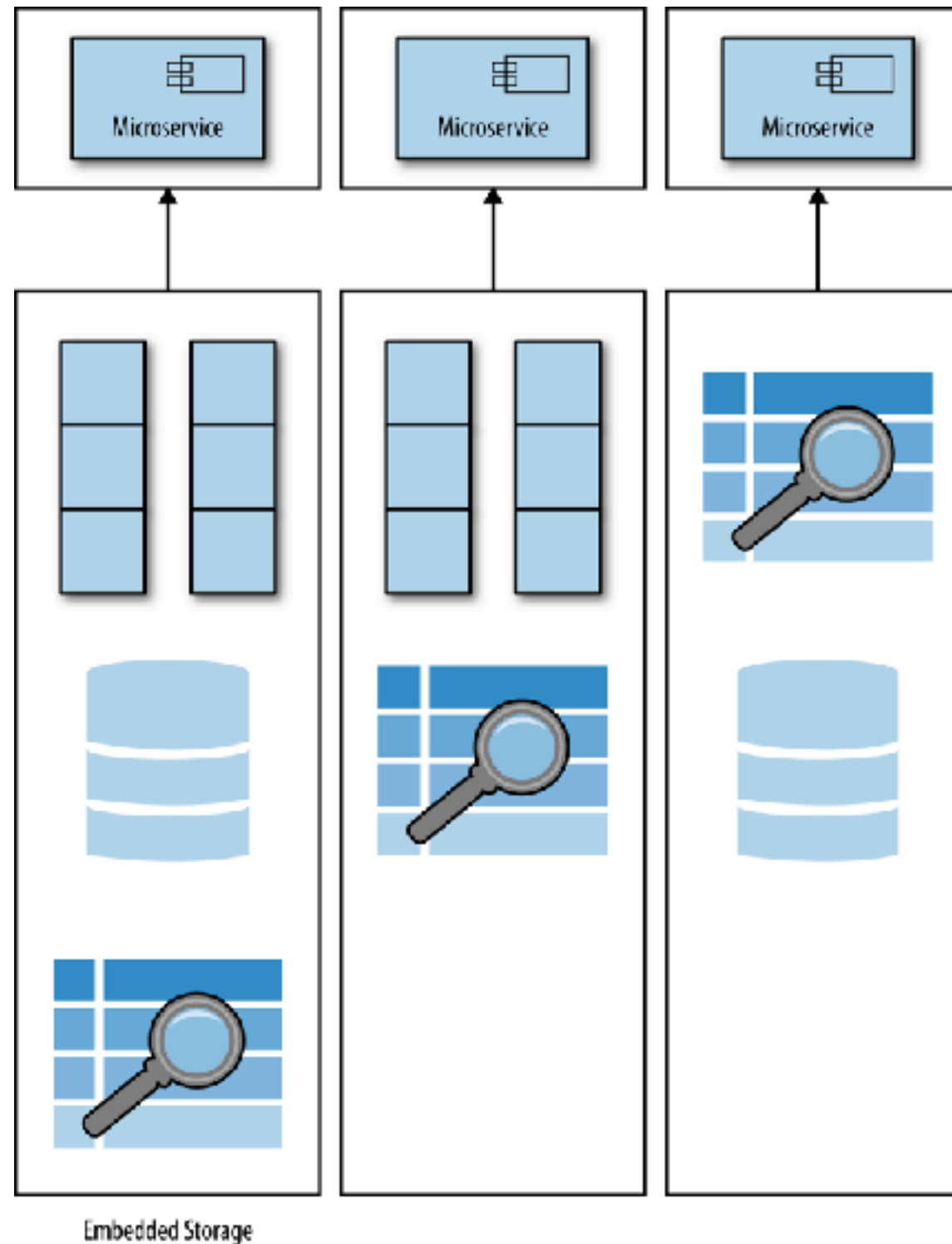
<http://microservices.io/patterns/monolithic.html>



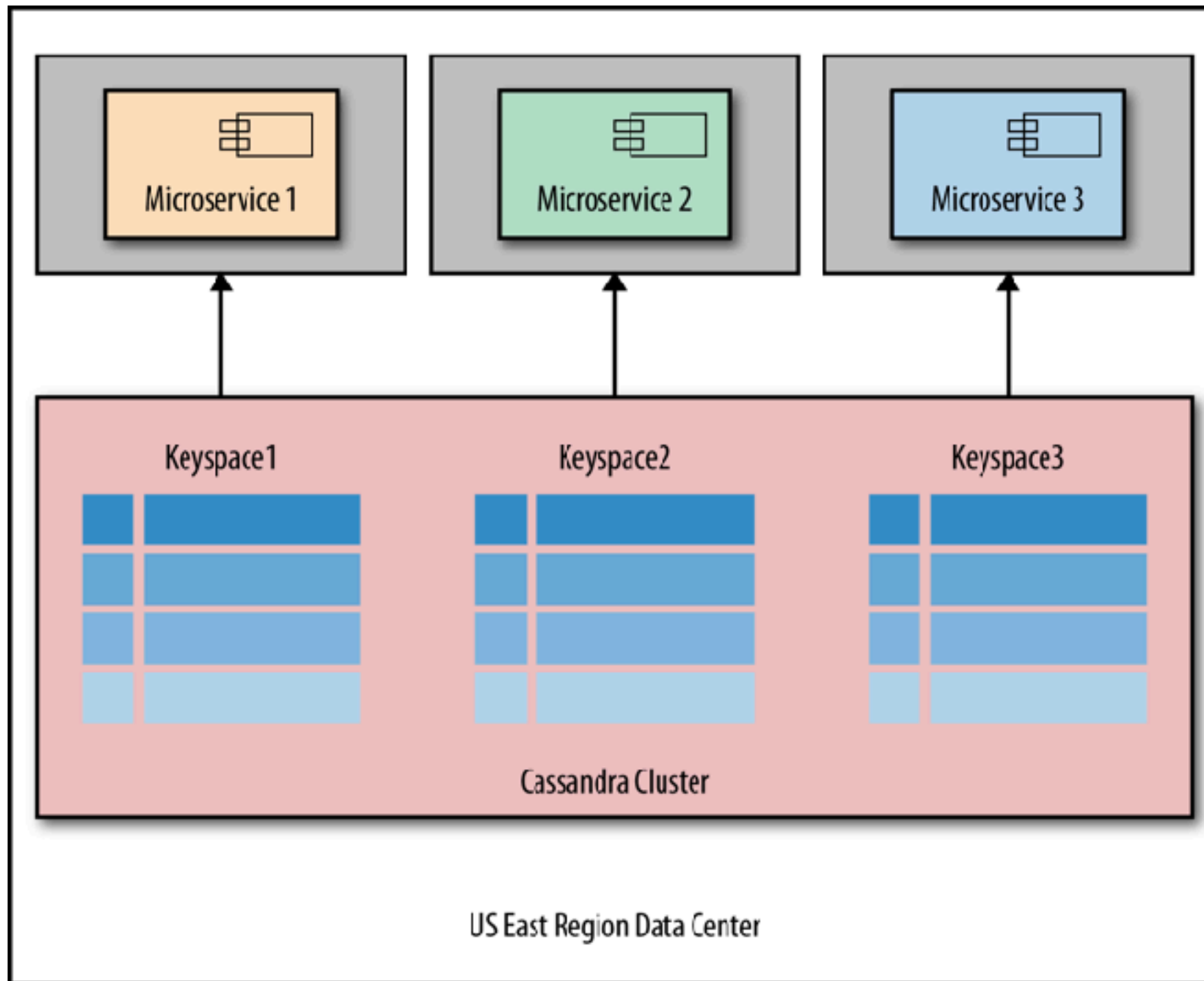
Components and centralize



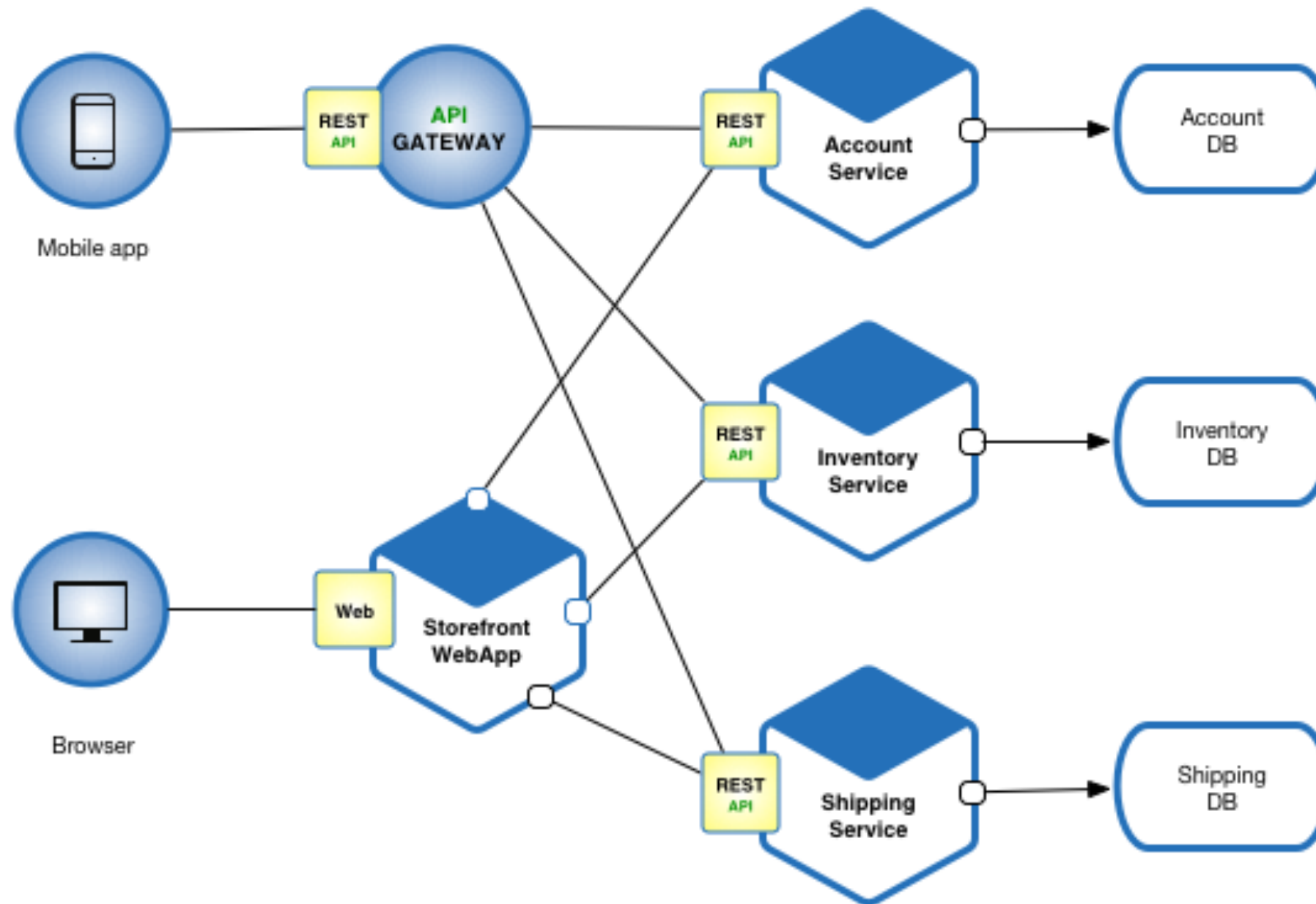
Microservice architecture



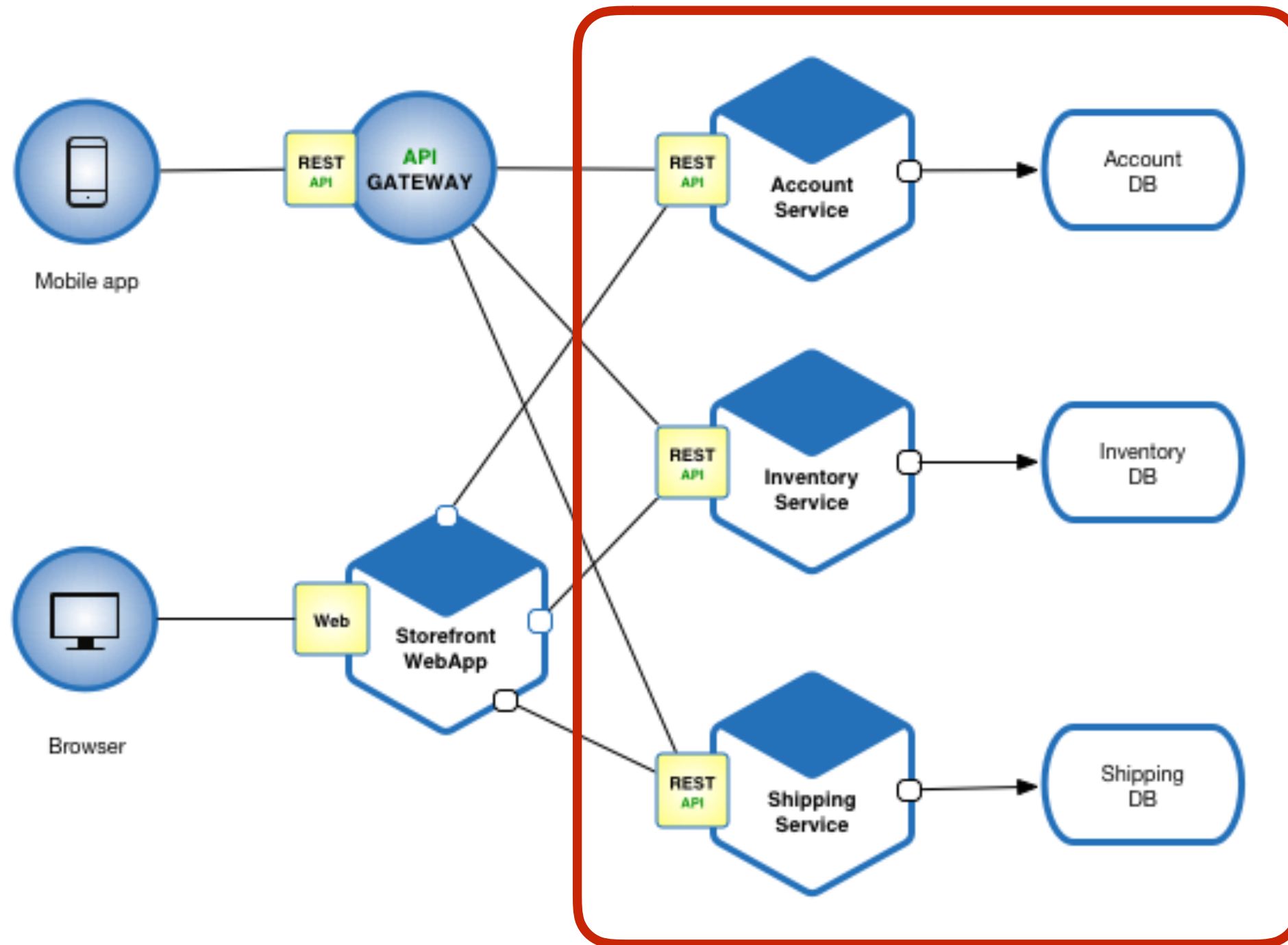
Microservice architecture



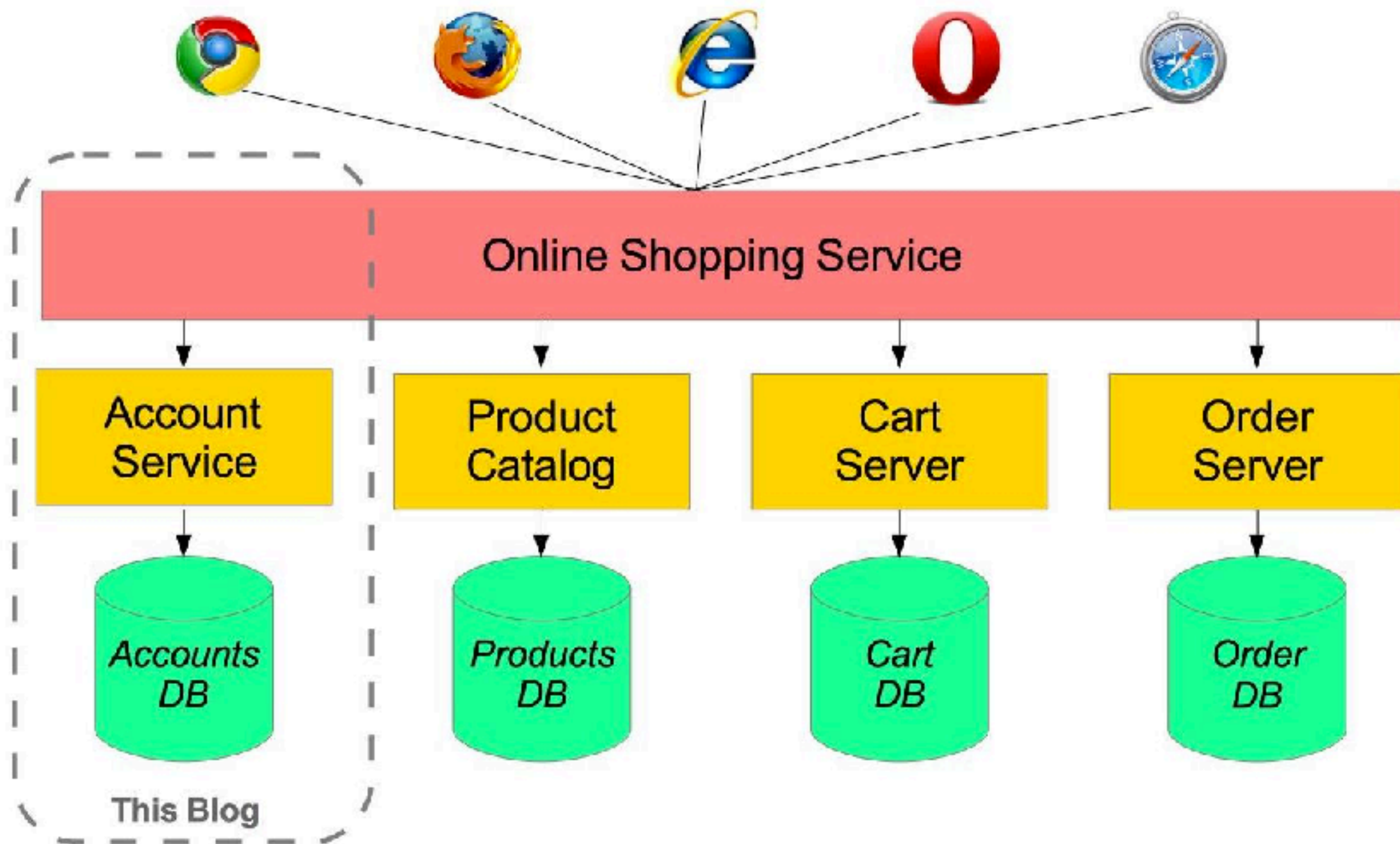
e-commerce application



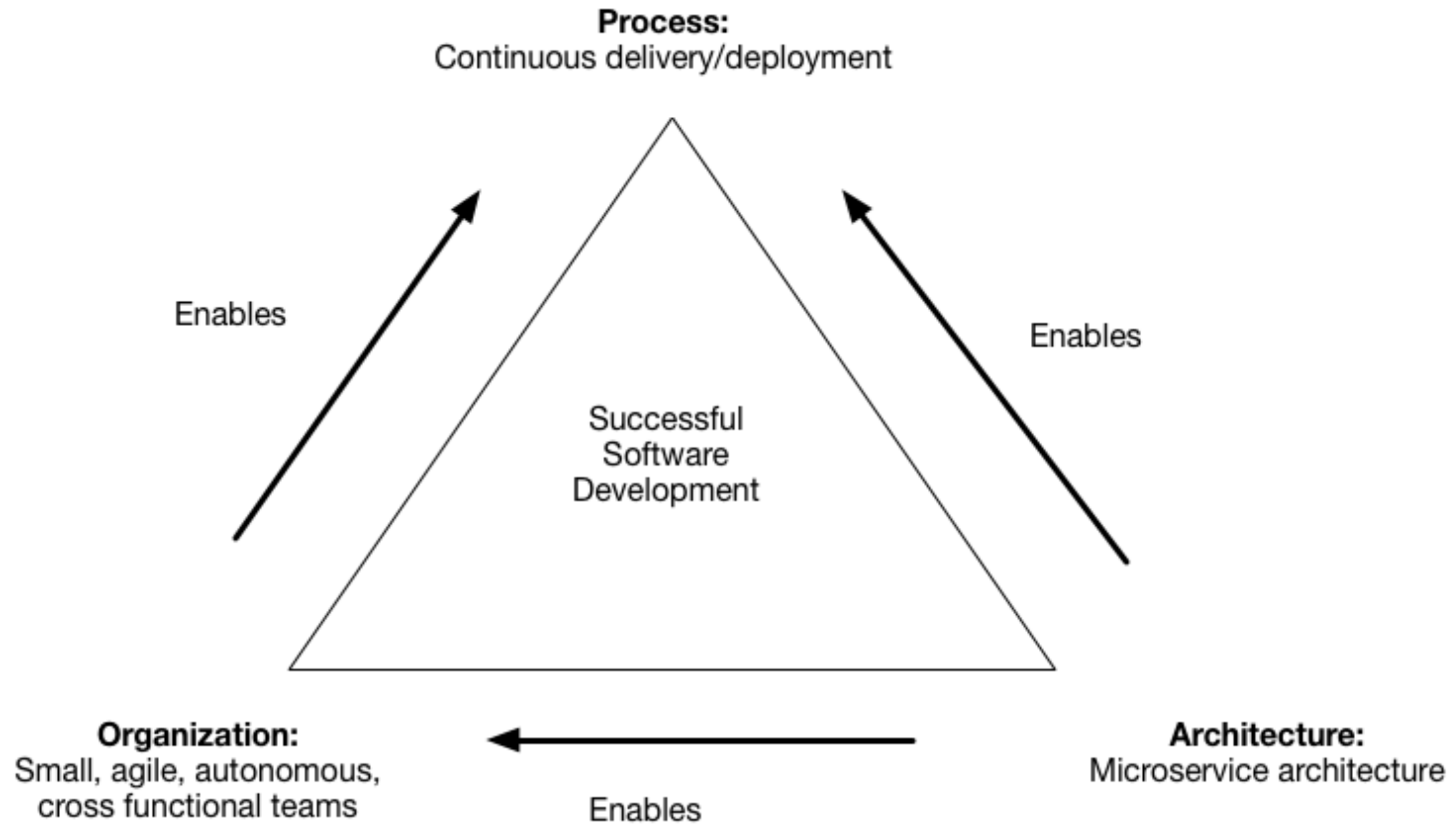
e-commerce application



e-commerce application



Success triangle



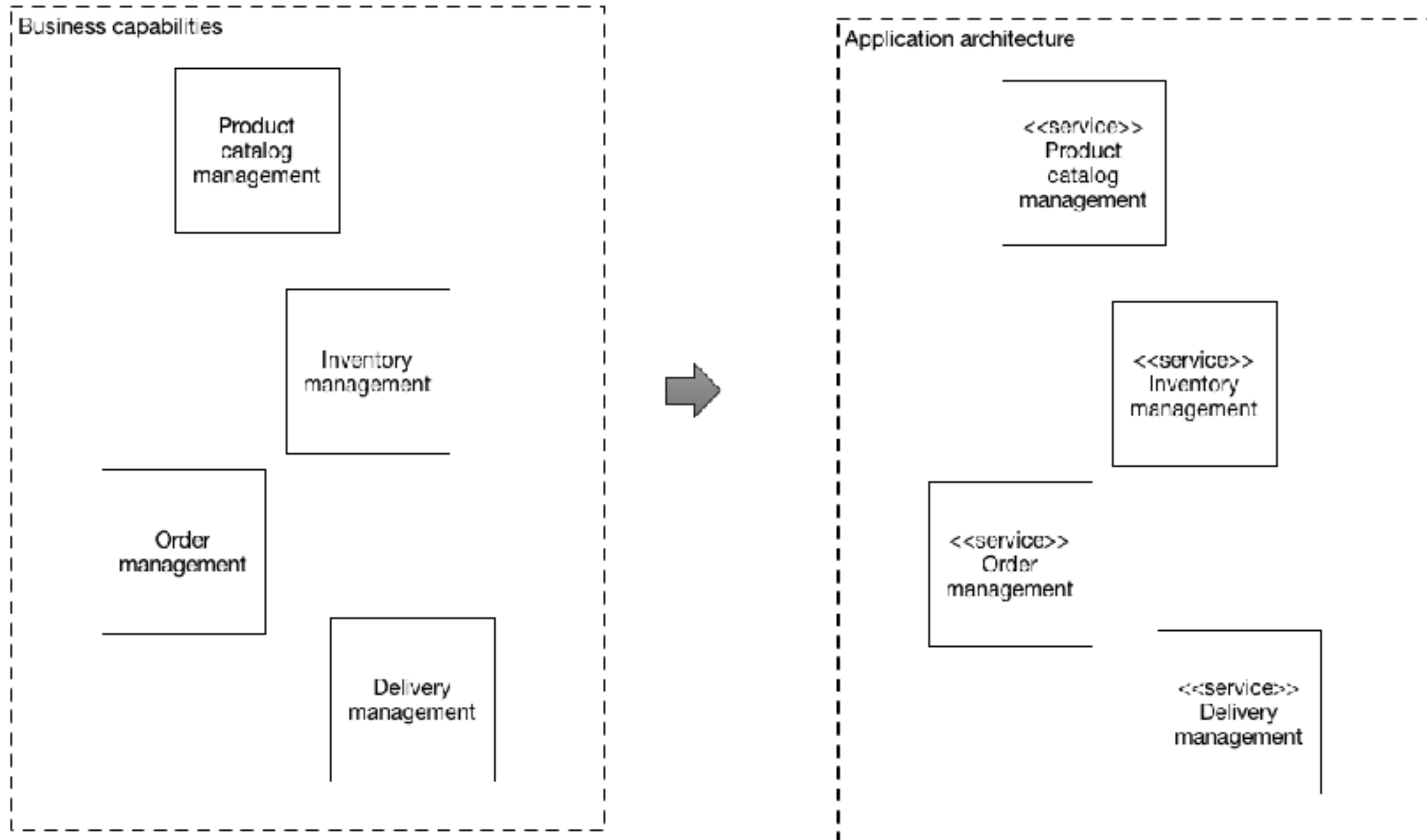
Decomposition



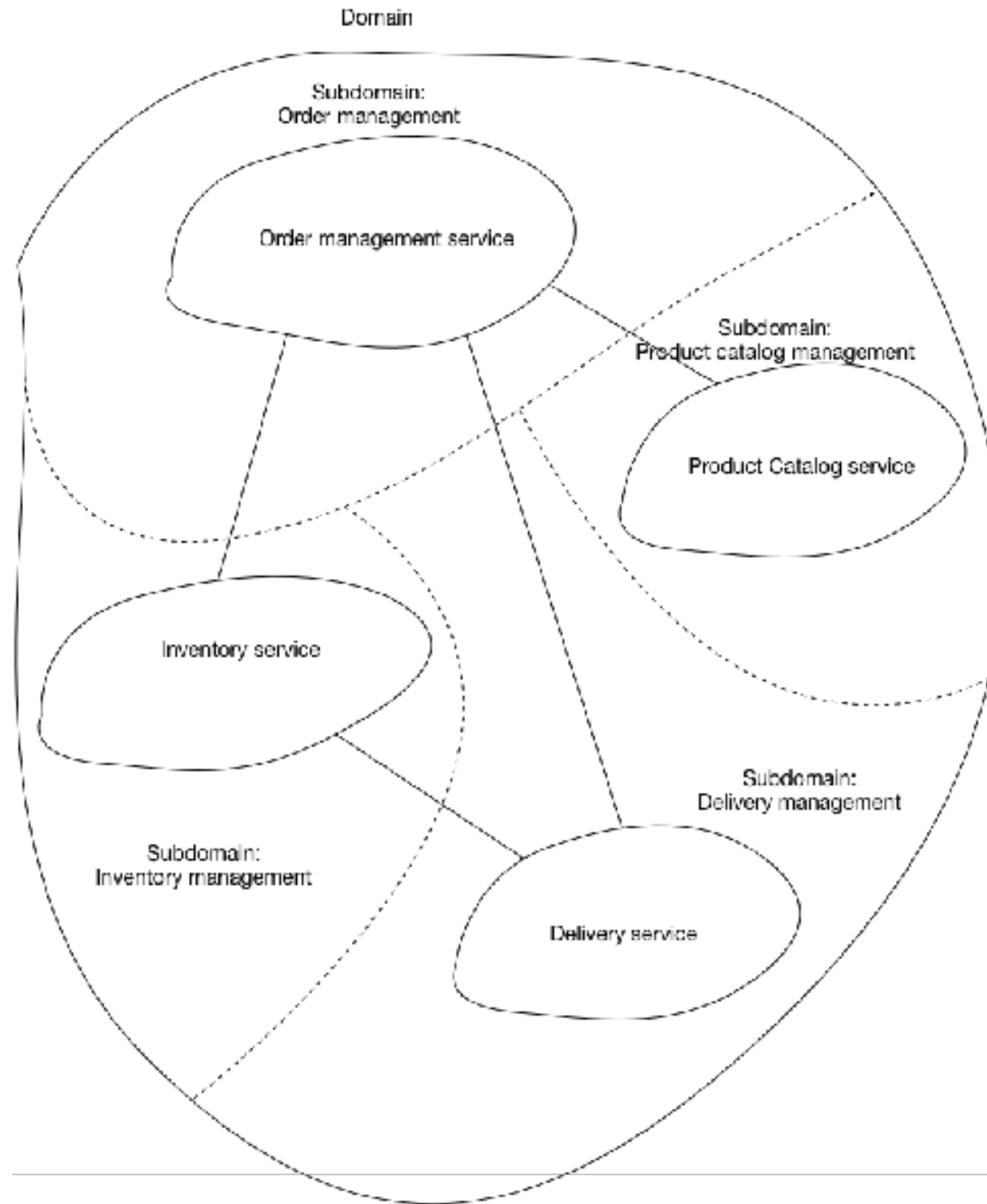
How to decompose to services ?



Decompose by business



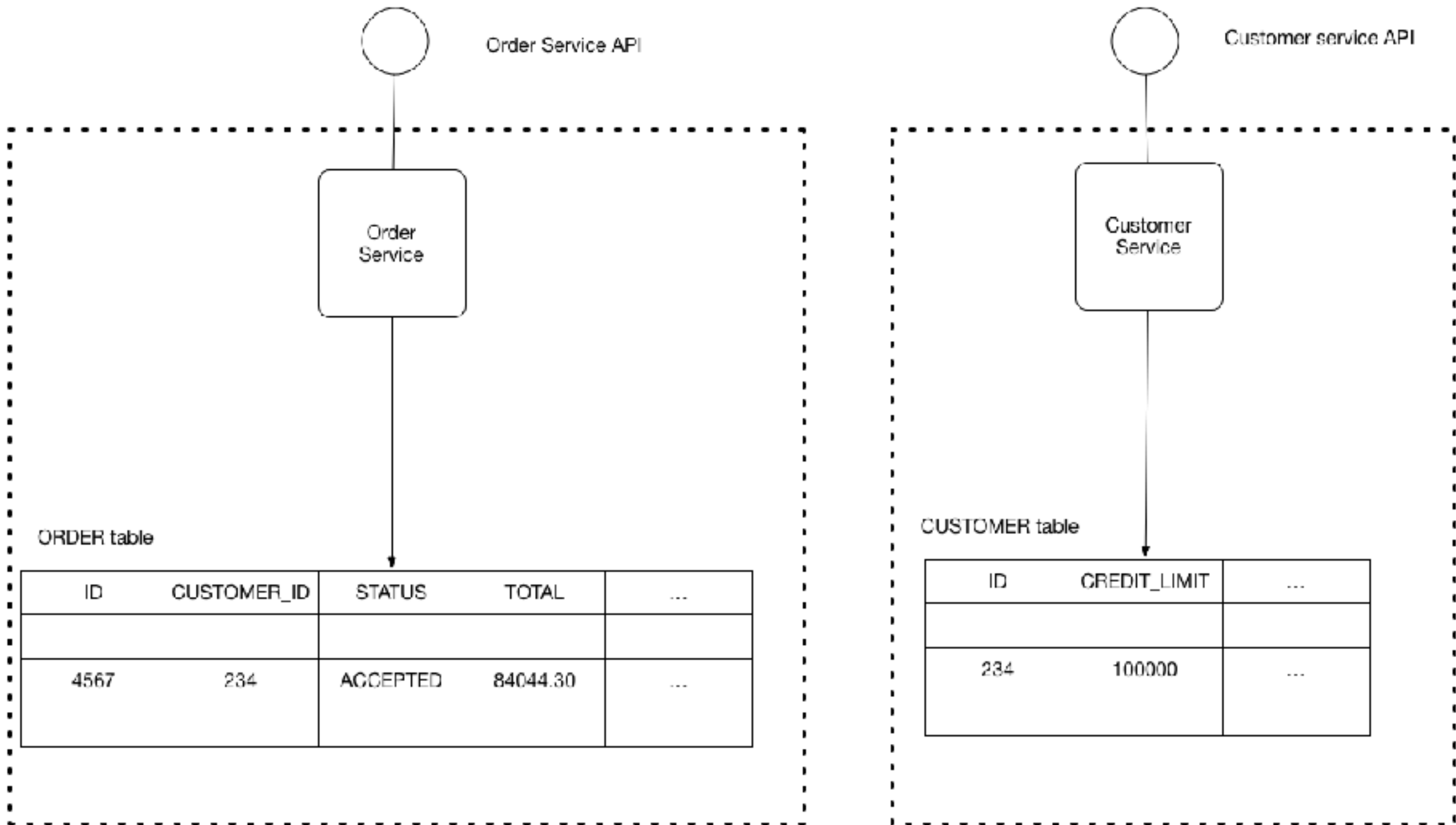
Decompose by subdomain



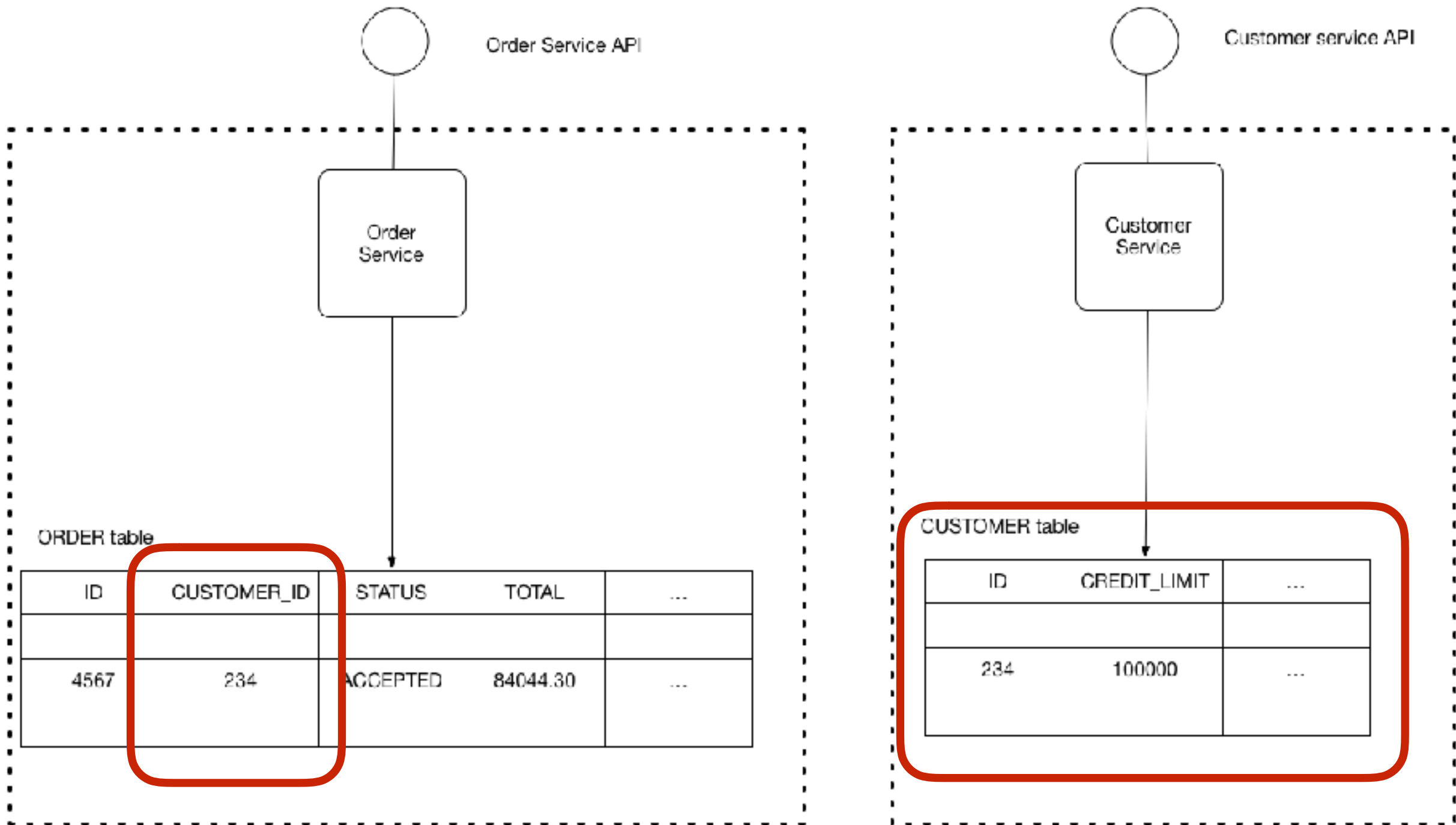
Data management



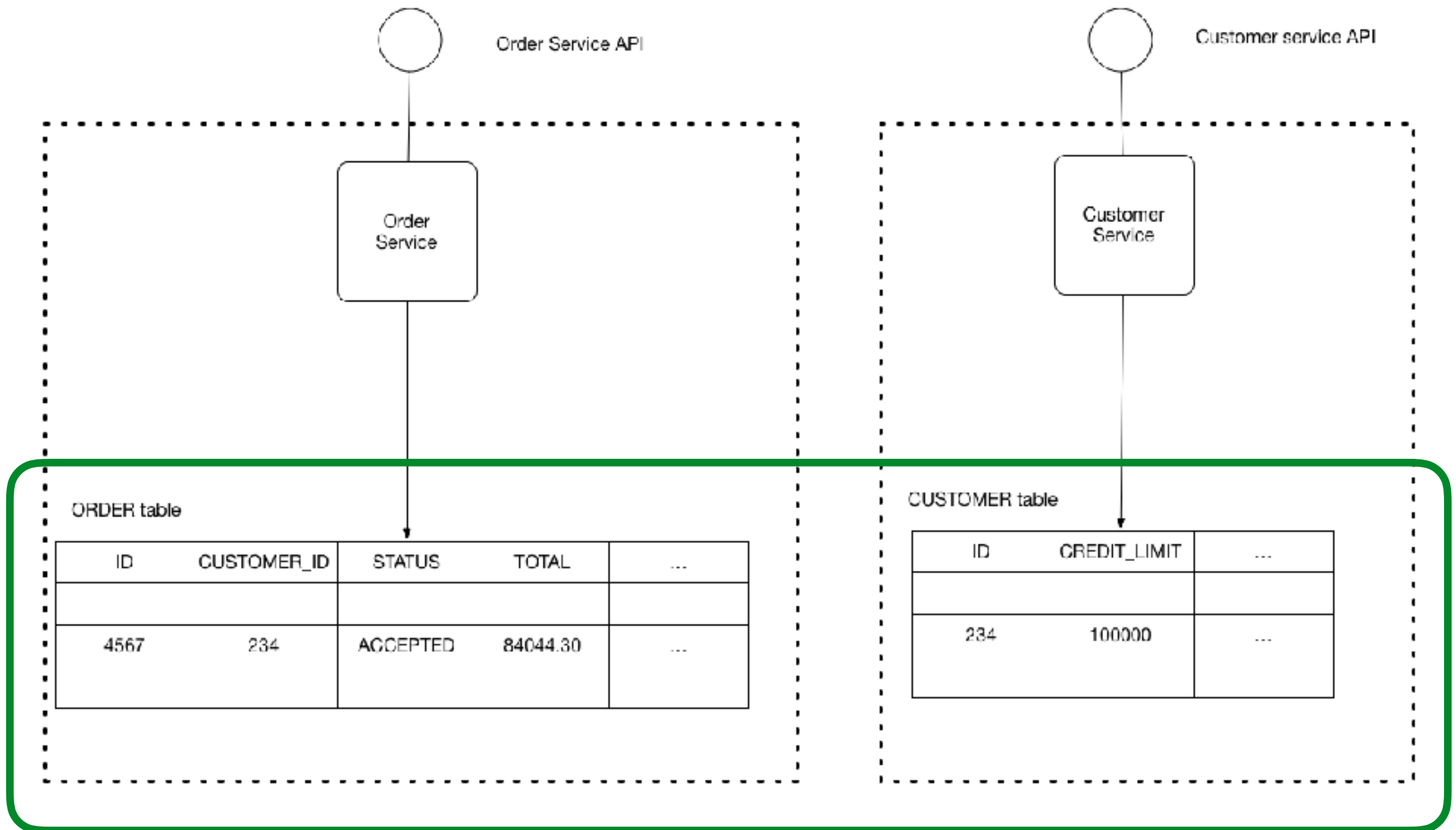
Database per service



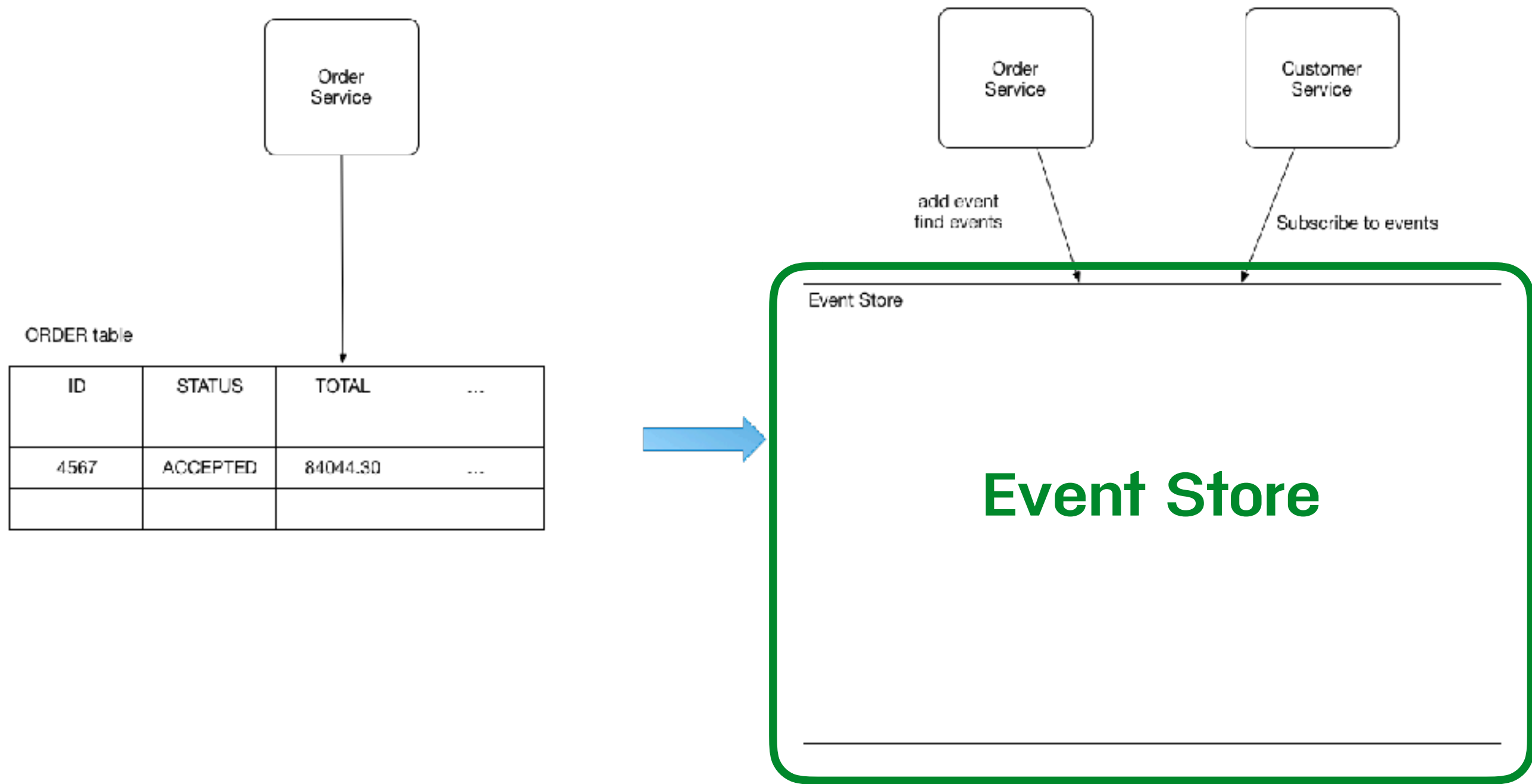
Database per service



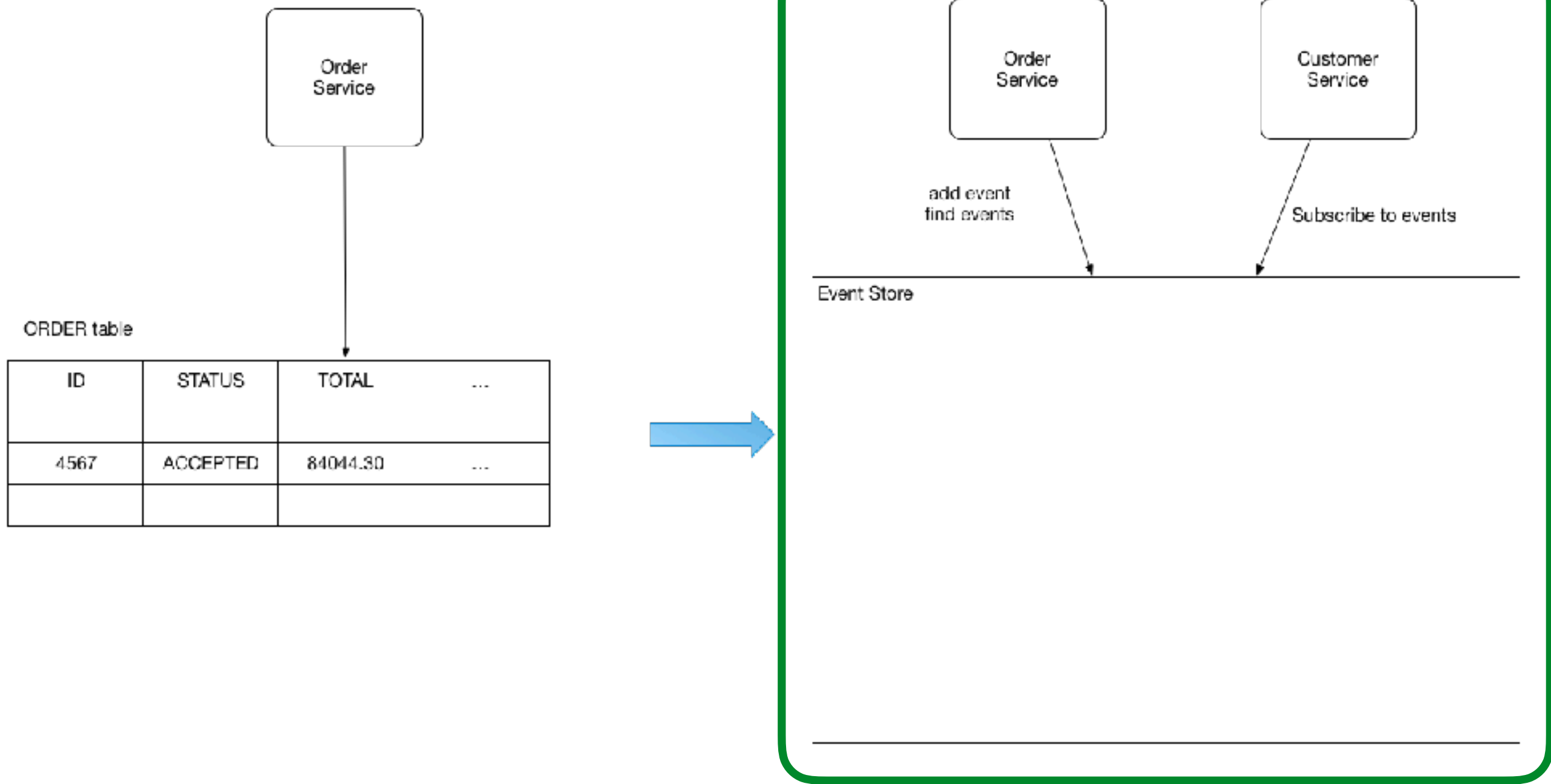
Shared database



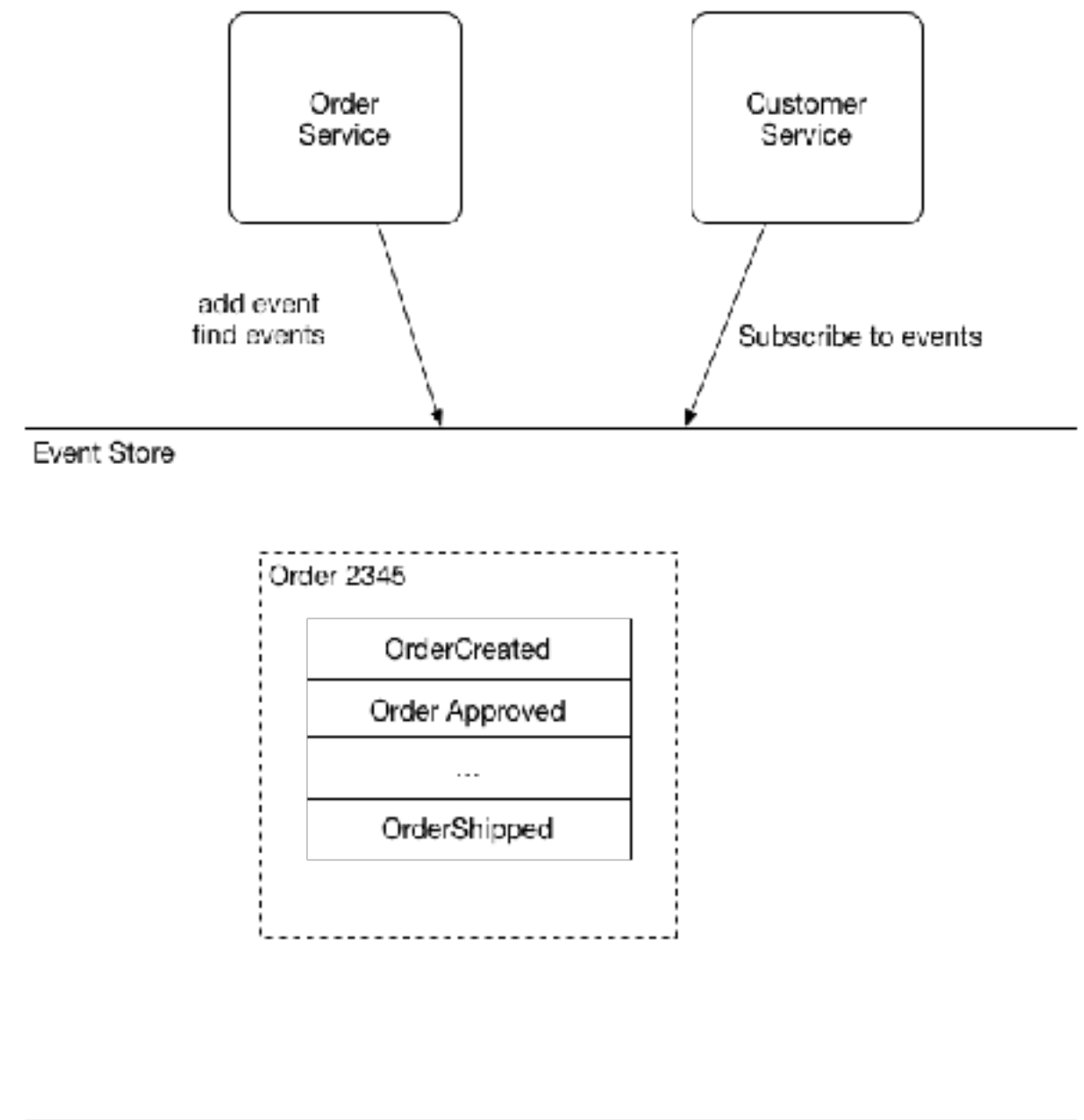
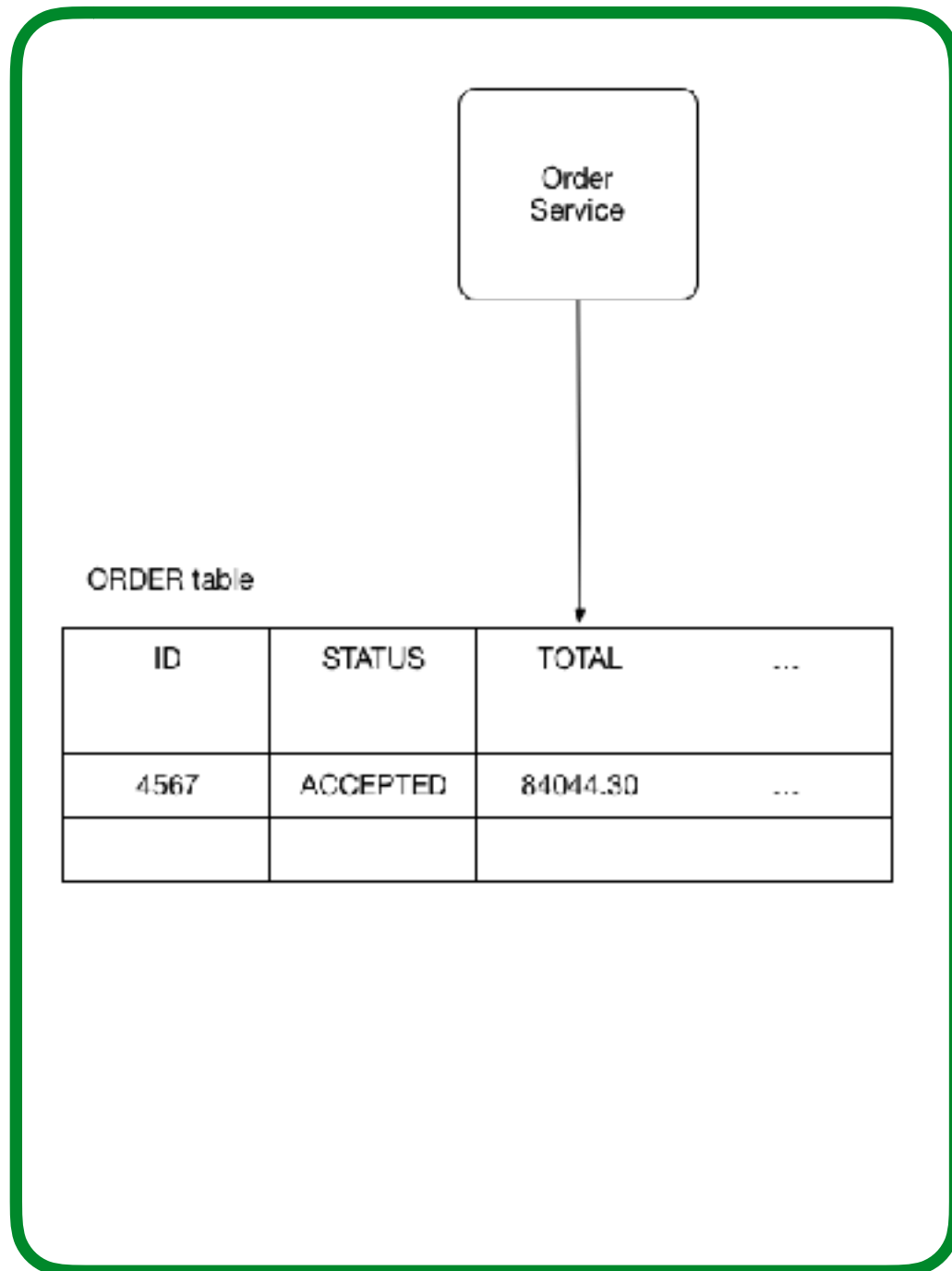
Event-driven architecture



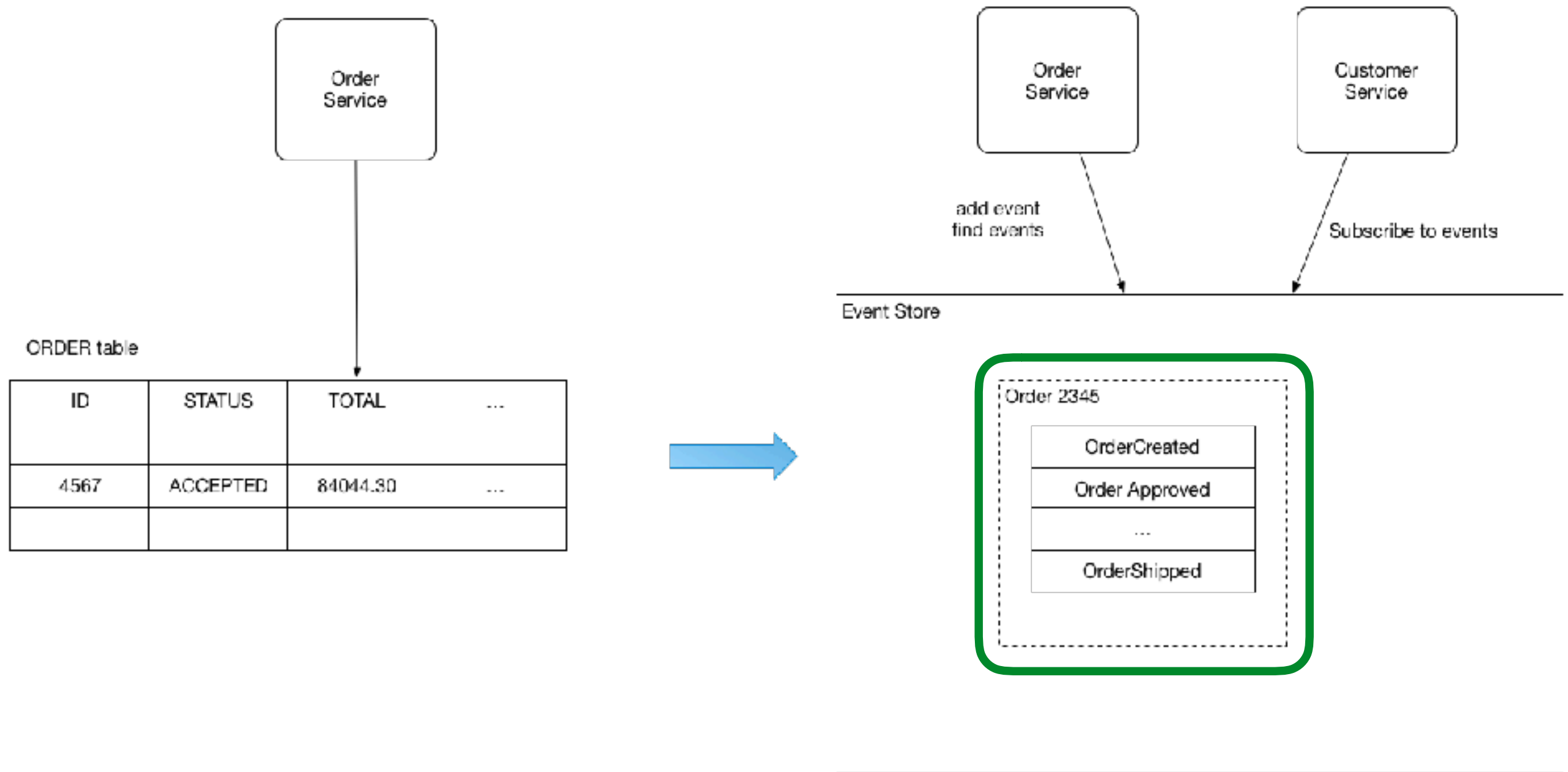
Event-driven architecture



Event-driven architecture



Event-driven architecture

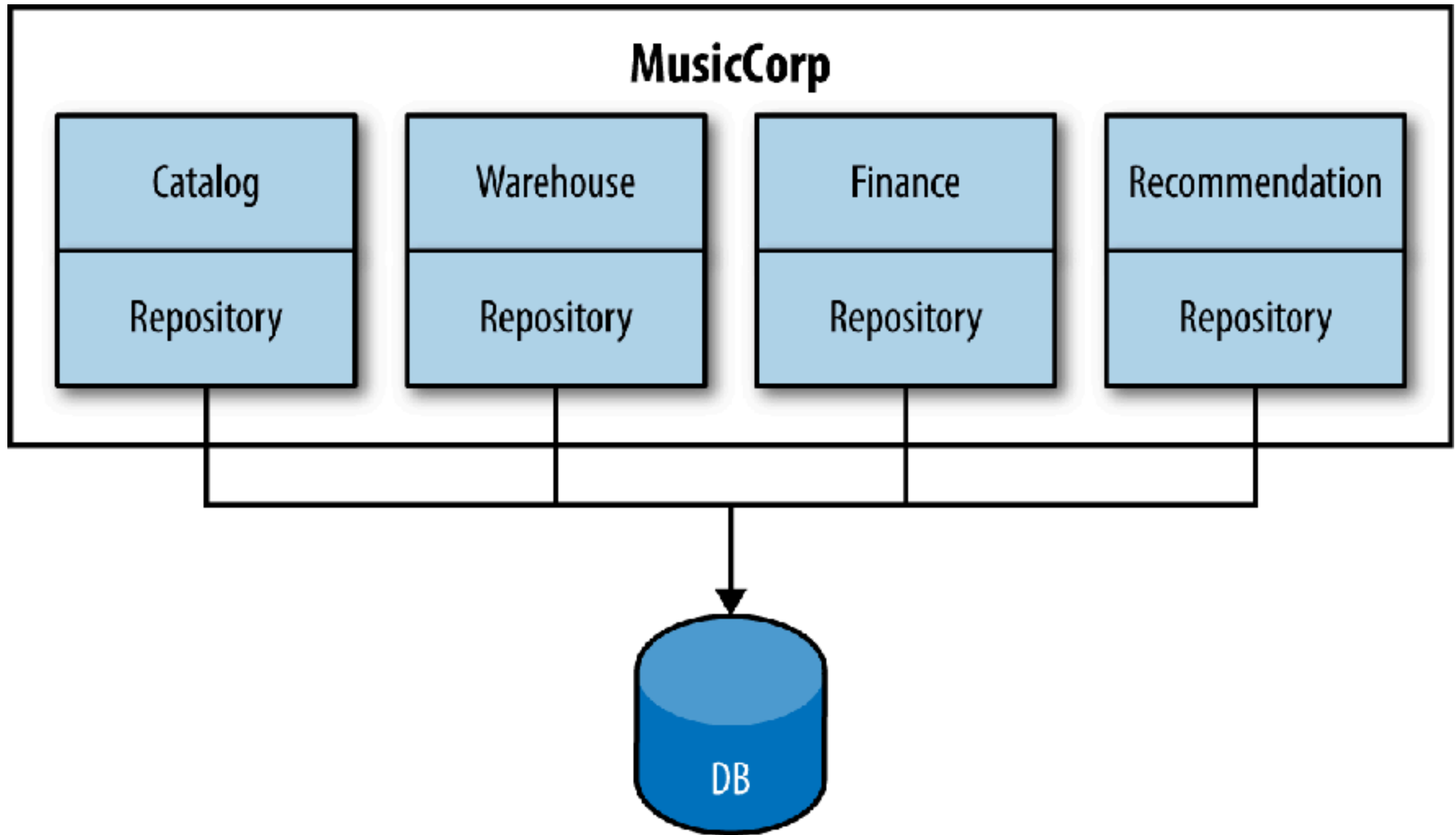


Quiz

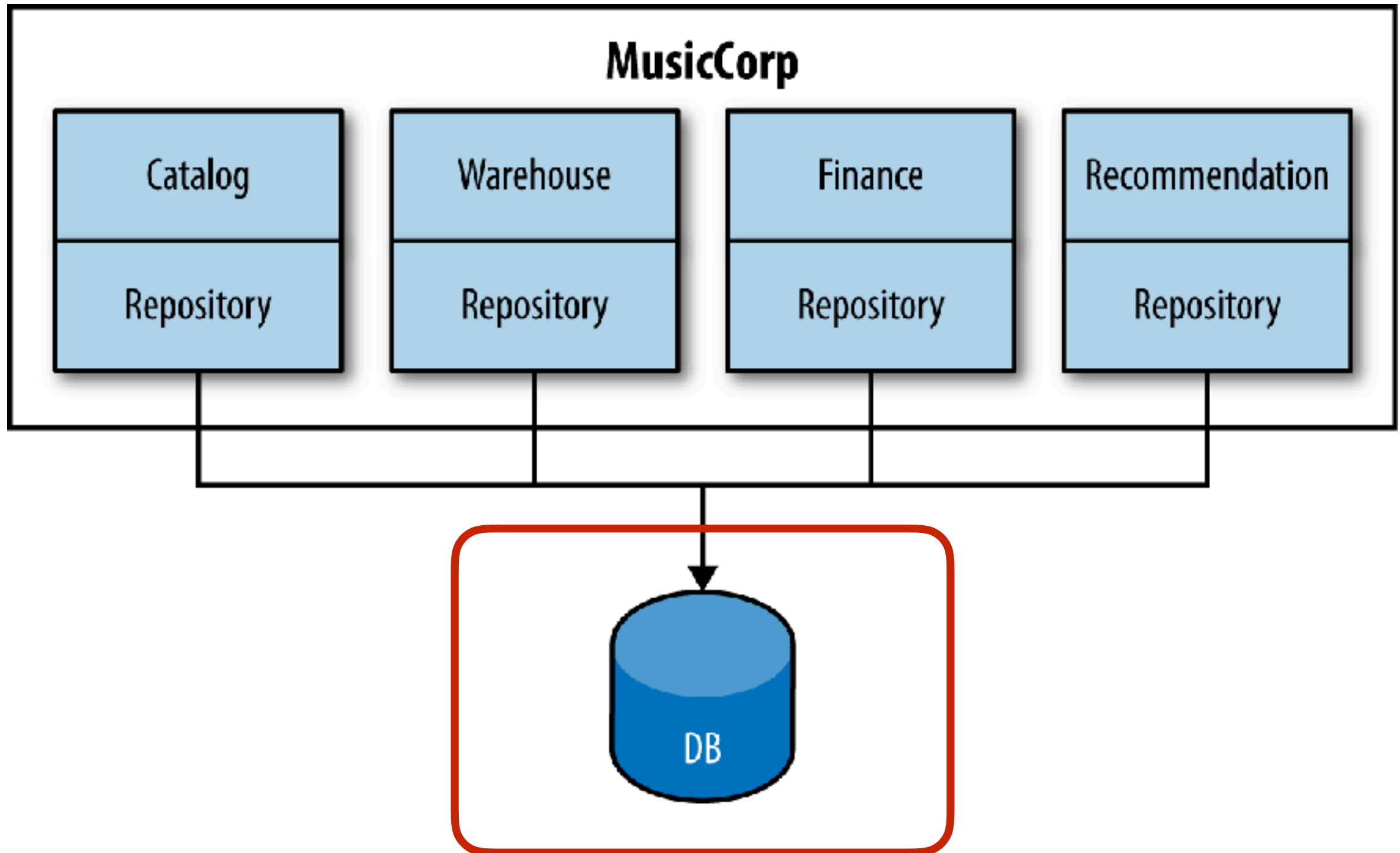
Design service and data management



Quiz



Quiz



Deployment patterns



Deployment patterns

Multiple services per server

Service per server



Deployment patterns

Multiple services per server

Service per server

Service per VM

Service per Container



Let's coding

<https://github.com/up1/demo-service>



Project group

- + Design service with data management
- + Plan for next week

