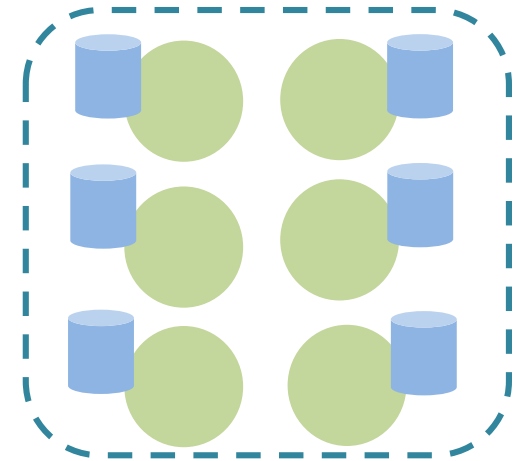


MICROSERVICES PRINCIPLES

Microservices principles

- Split and application into a set of small services
- Each microservice has one **responsibility**

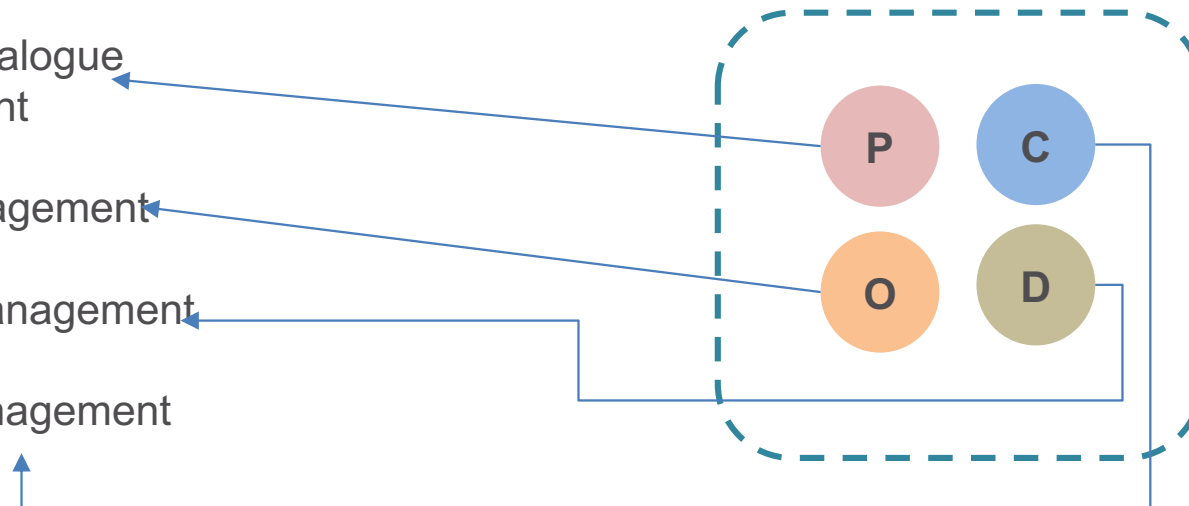
Microservices based application



Business capabilities:

- Product catalogue management
- Order management
- Delivery management
- Clients management

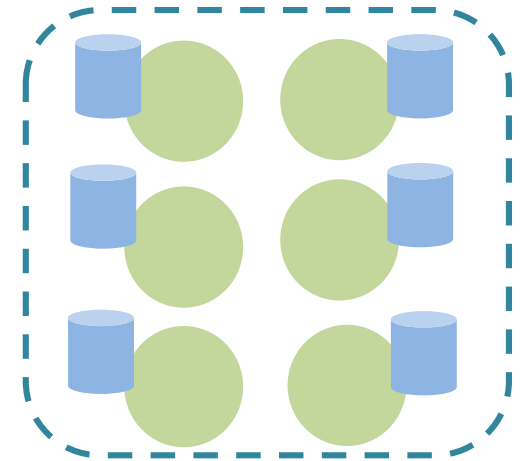
Online store



Microservices principle

- Split and application into a set of small services
- Each microservice has one **responsibility**
- Based on the **business layer**

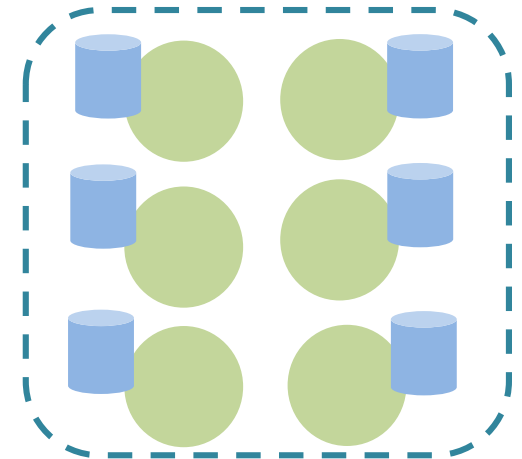
Microservices based application



Microservices principle

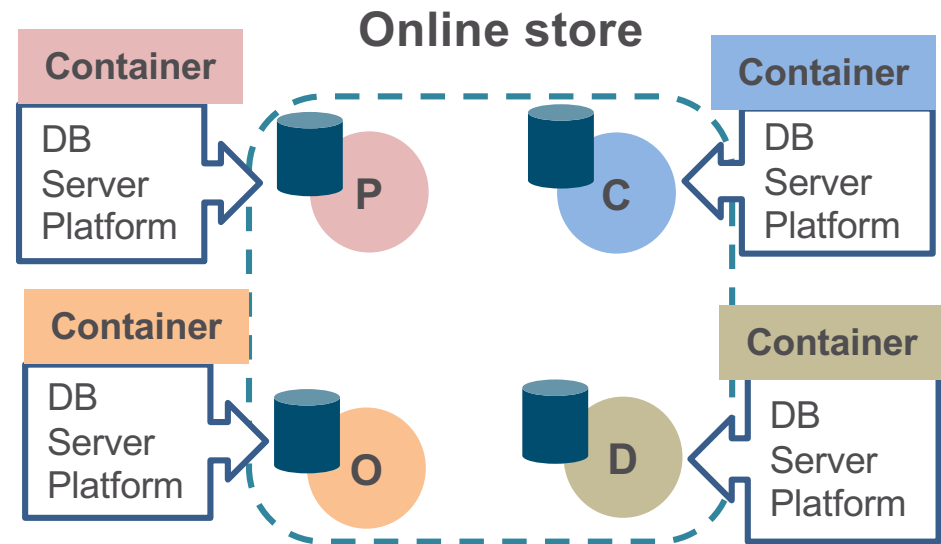
- Split and application into a set of small services
- Each microservice has one **responsibility**
- Based on the **business layer**
- A microservice can have its **own execution environment** (container)
- A microservice can have its database (**decentralized database**)

Microservices based application



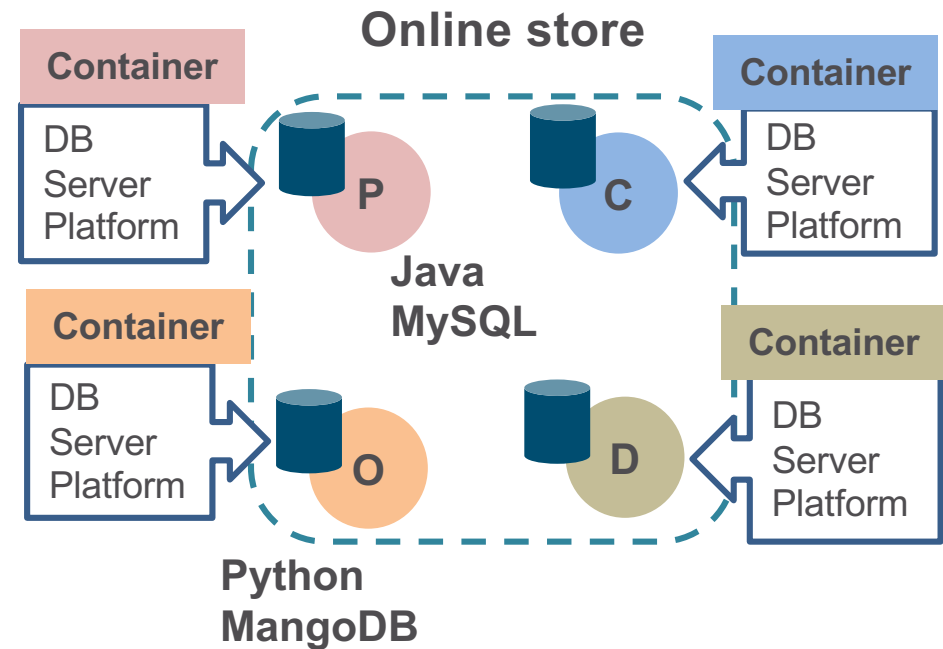
Business capabilities:

- Product catalogue management
- Order management
- Delivery management
- Clients management



Business capabilities:

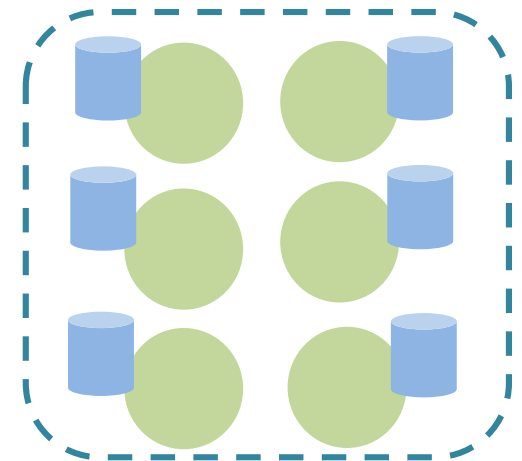
- Product catalogue management
- Order management
- Delivery management
- Clients management



Microservices principle

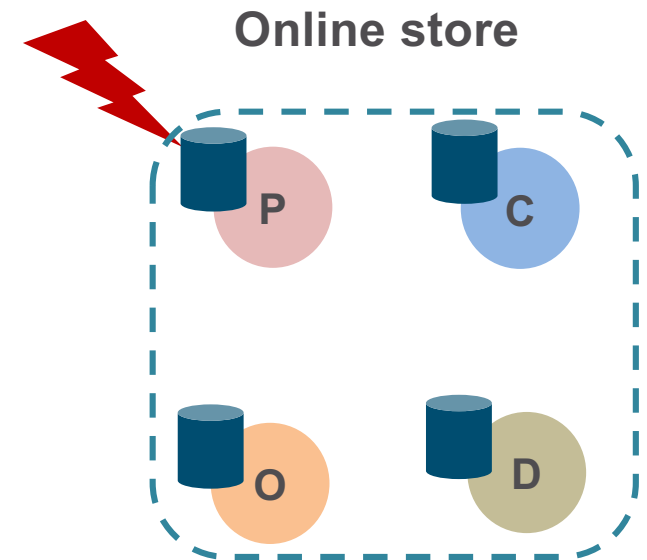
- Split and application into a set of small services
- Each microservice has one **responsibility**
- Based on the business layer
- A microservice can have its **own execution environment** (container)
- A microservice can have its database (**decentralized database**)
- A microservice exposes a **REST API**

Microservices based application



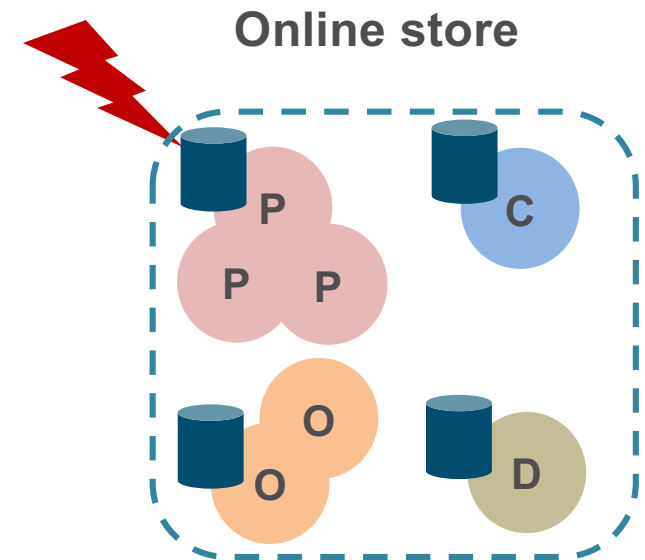
Microservices advantages

- Autonomy
- Flexibility



Microservices advantages

- Autonomy
- Flexibility
- Scalability
- Resiliency
- ...

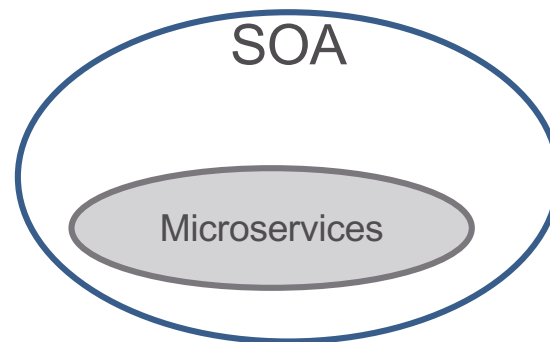


What is the difference between SOA and microservices?

SOA vs microservices

SOA

- Service boundaries are not defined
- A service can have several responsibilities



Microservices

- Guidelines on microservice boundaries
- A microservice has one responsibility
- The best of SOA

