

SPRING MICROSERVICES DESIGN PATTERN

PROXY PATTERN

→ In Proxy pattern, all the requests are transferred transparently to a service that invokes a different microservice. Here, the actual consumer is not aware of the service that is being called internally.

→ There are two categories of proxy service pattern:-

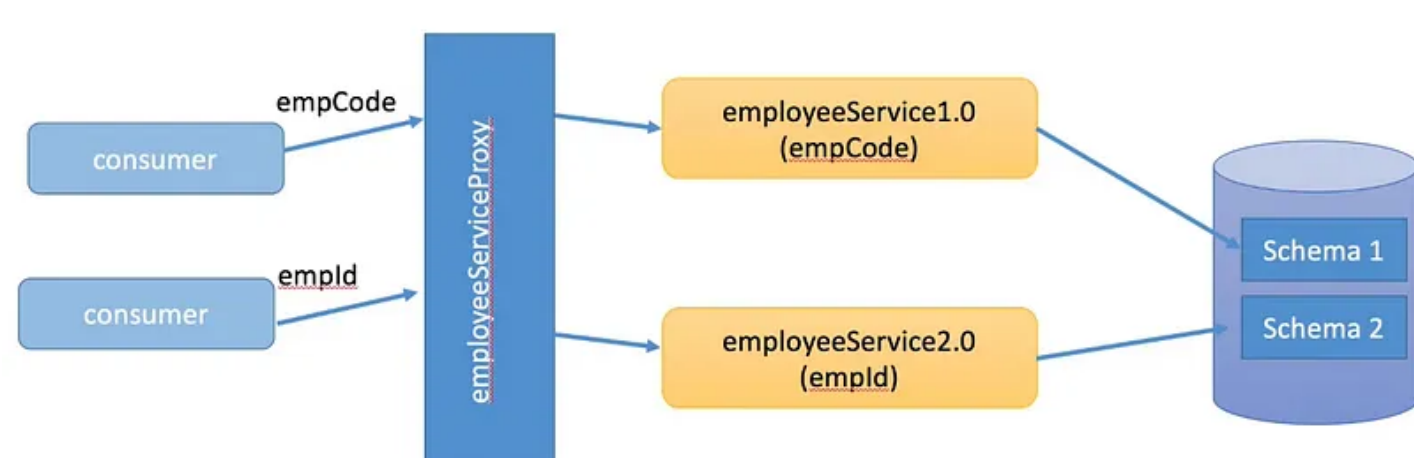
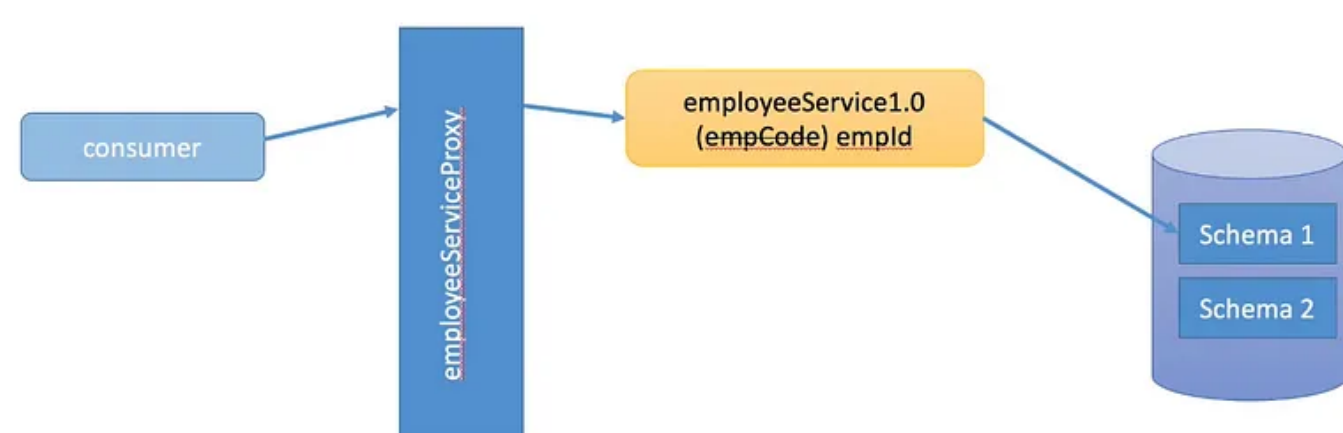
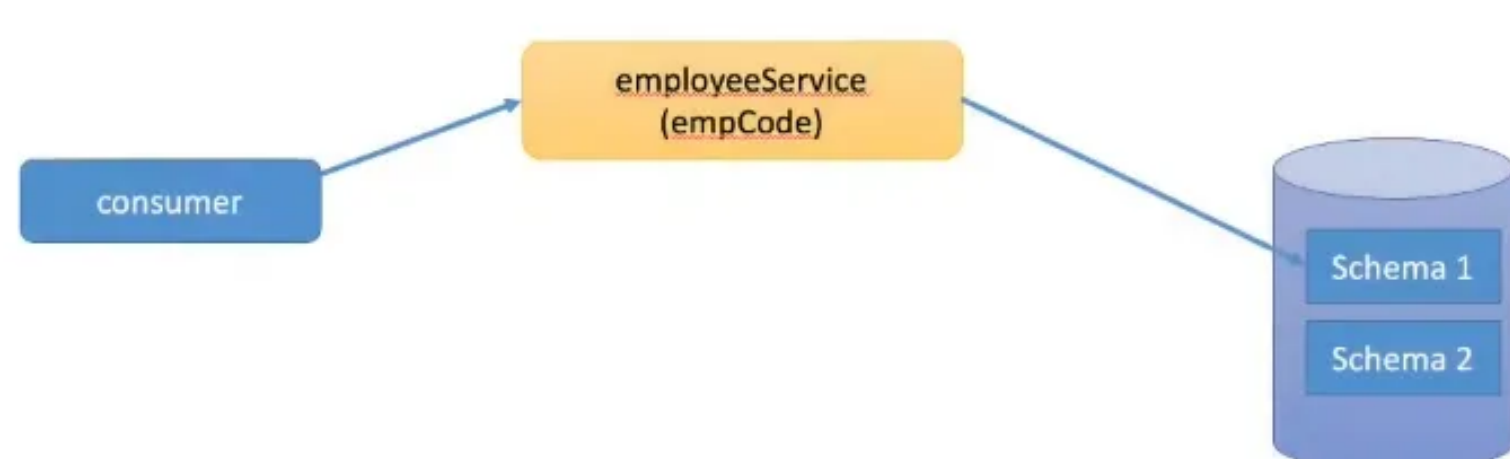
1) Dumb Proxy

Responsible for delegating a request to another service.

2) Smart Proxy

Responsible for applying transformation, logic, filtering, rejection before delegating a request to another service.

→ Example Scenario for the use of Proxy Pattern



→ Advantages of Proxy Pattern

i) Can deploy independently without disturbing consumers

ii) Easy to implement

iii) Access to microservices is encapsulated

iv) Application clients can consume practical data

v) Control and diversion of requests

vi) Better programming techniques such as caching can be used.

→ Disadvantages of Implementing Proxy Pattern

i) Inappropriate changes of responses

ii) Bottleneck