Micro Frontends

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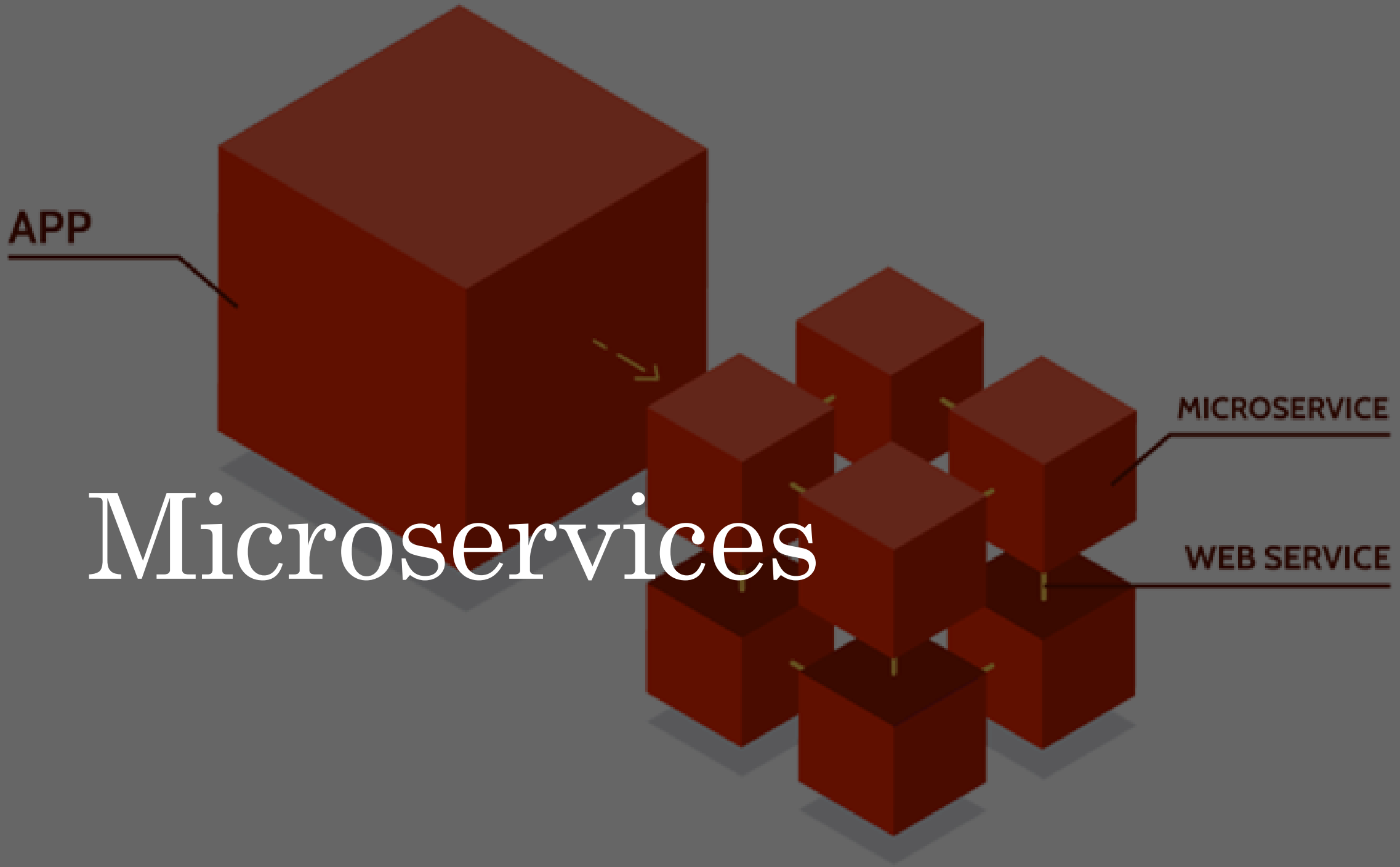
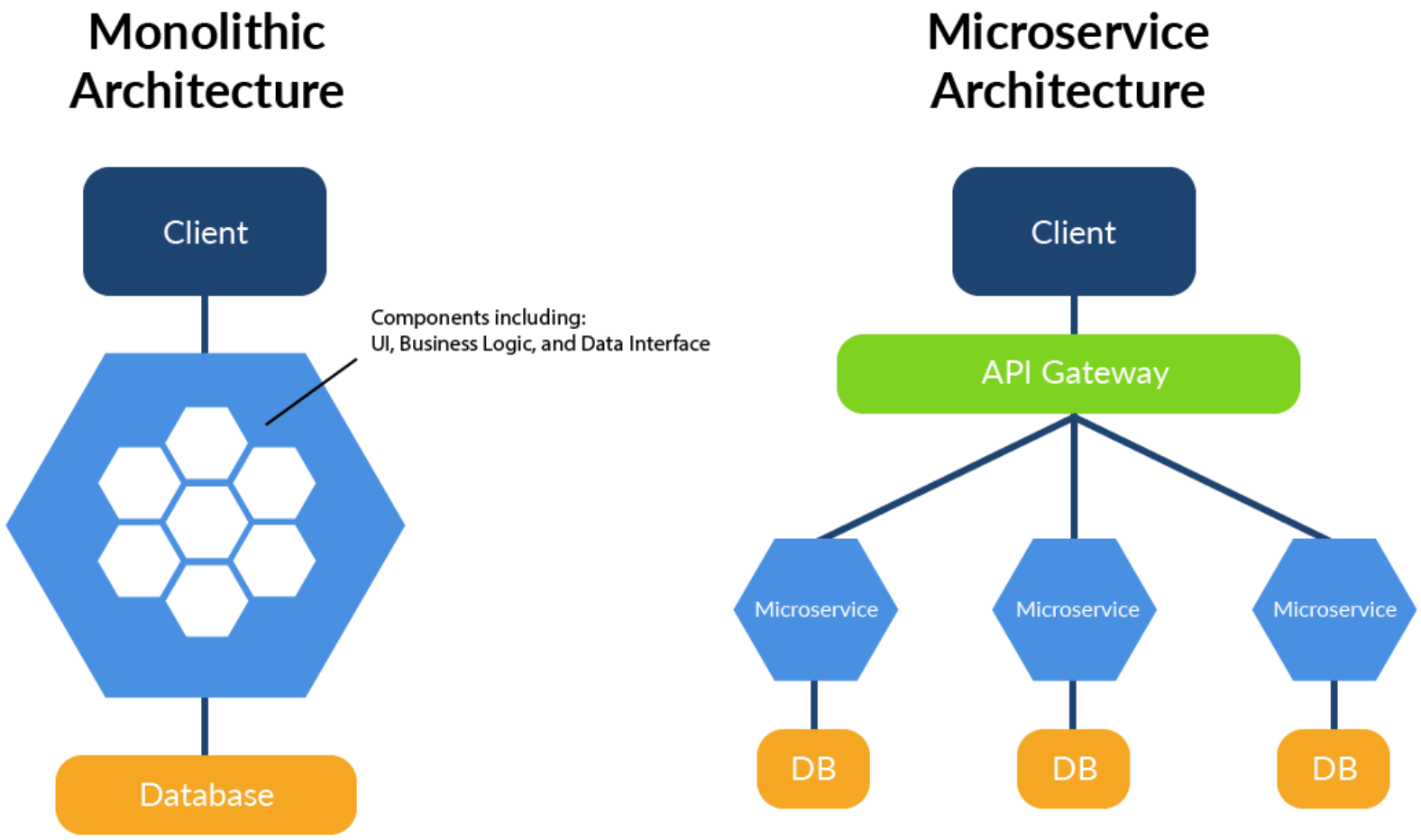
Microservices





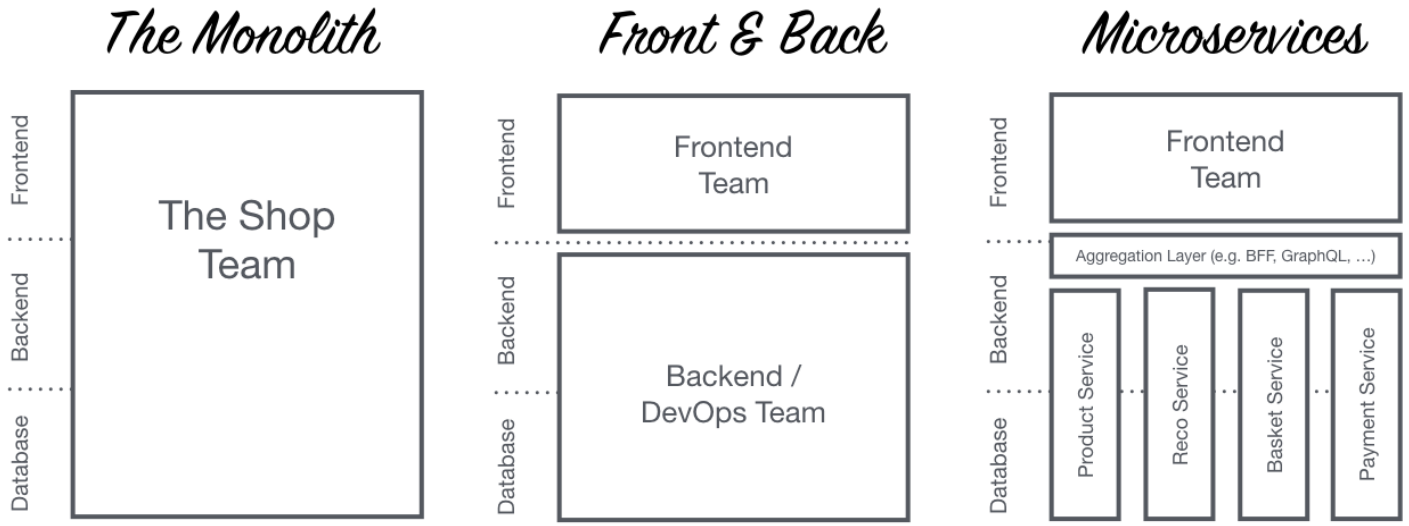
What is a microservice?

- It's an architectural design.
- It's based on operating independent services (Instagram)
- Can be considered as an small independent application.
- Usually uses a continuous integration systems like Docker.

Monolith

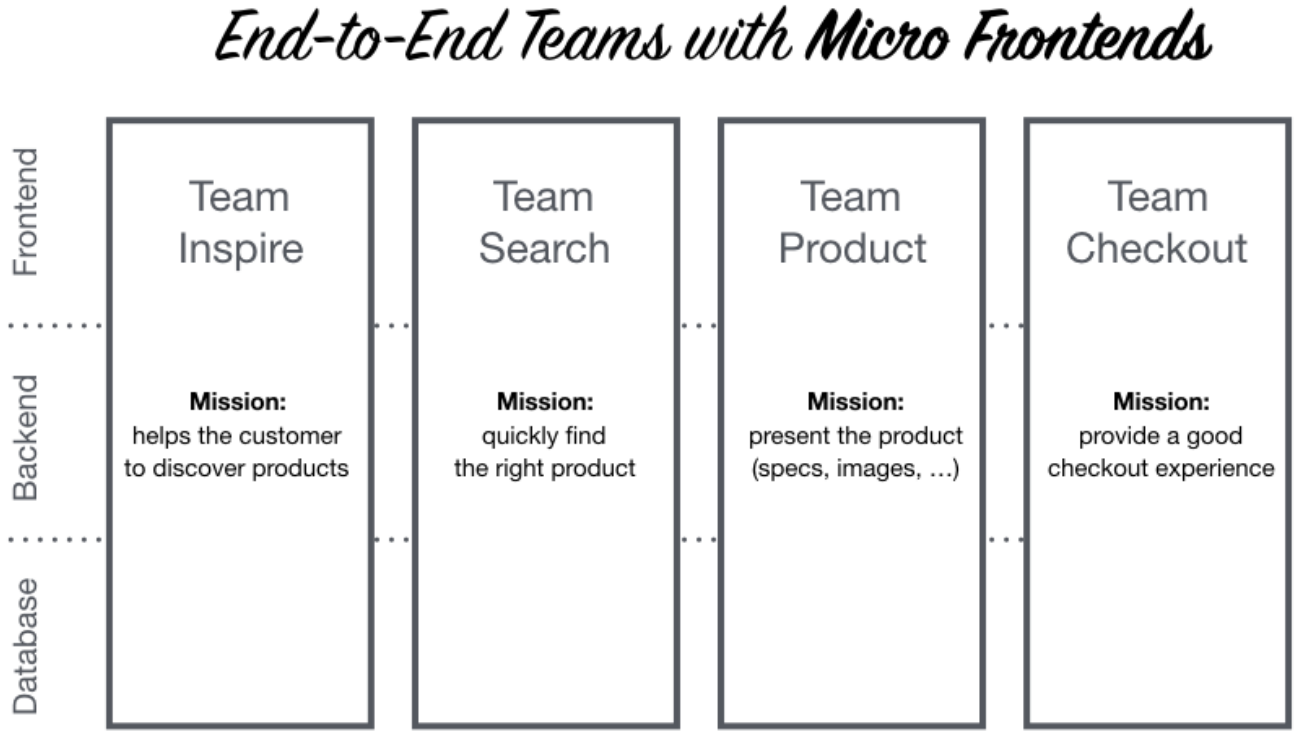
Monolithic front end

- Uses the monolithic pattern, which means that all the front-end is a single block.
- The current trend is to build a feature-rich and powerful browser application, aka single page app.

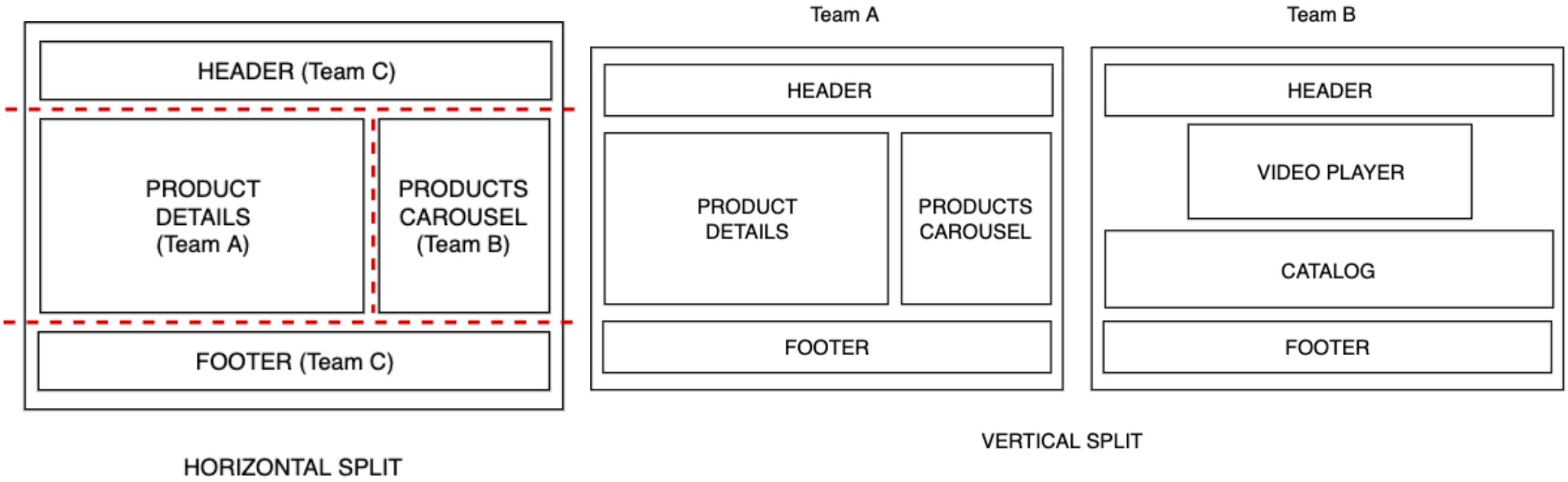


What is a micro frontend

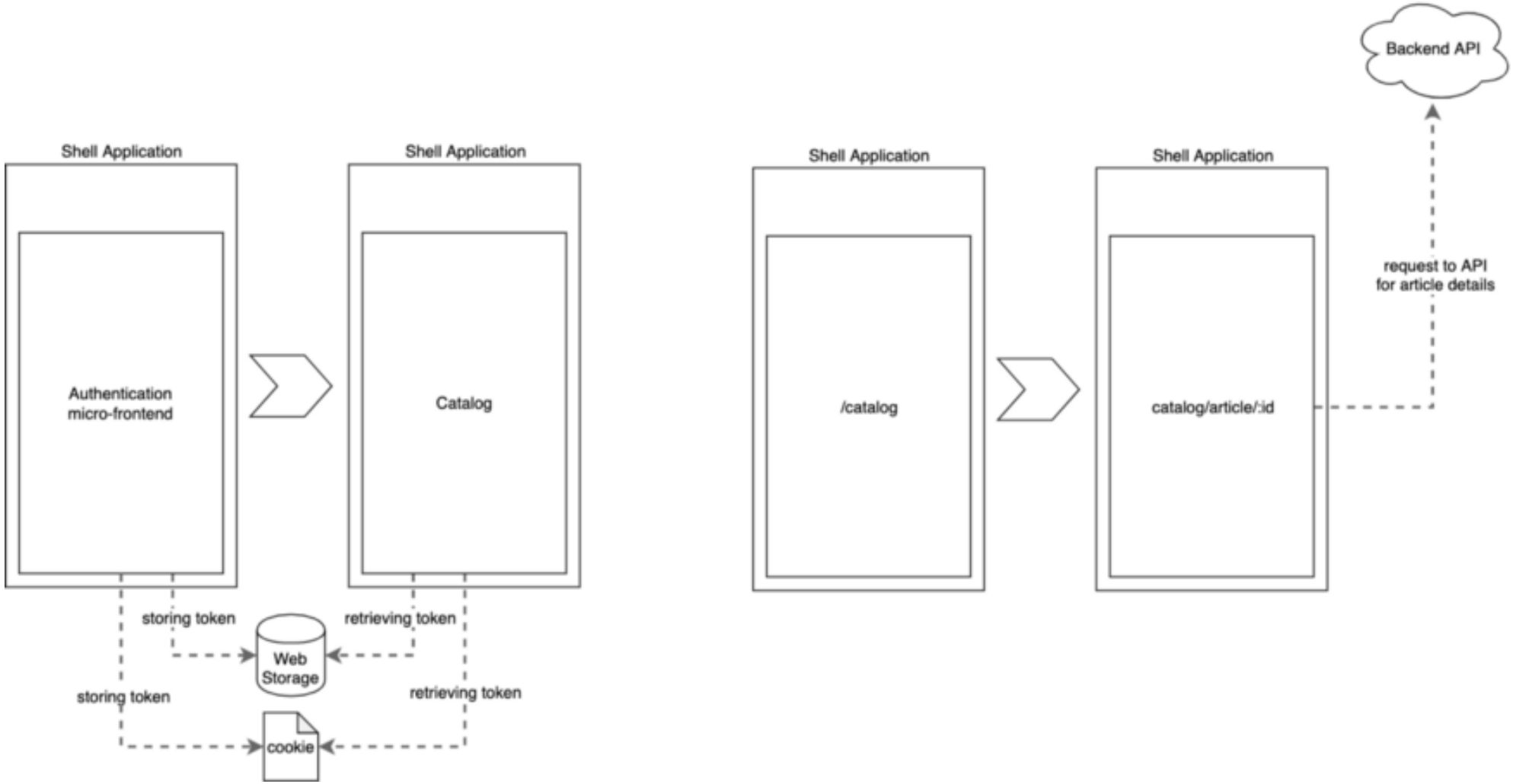
- Extension of microservices
- Website as **Compositio features**
- Independent teams
  - Software
  - Deployment
- End to End



Approaches


HEADER (Team C)
PRODUCT DETAILS (Team A)
PRODUCTS CAROUSEL (Team B)
FOOTER (Team C)
HORIZONTAL SPLIT
Team A
HEADER
PRODUCT DETAILS
PRODUCTS CAROUSEL
FOOTER
Team B
HEADER
VIDEO PLAYER
CATALOG
FOOTER
VERTICAL SPLIT

Comunication



Team product

Tienda online

Team checkout

Mi cesta 4

Reserva Especial Cerveza
Pack de 24 botellas x 330 ml

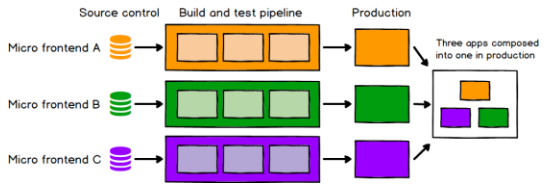
Añadir a la cesta

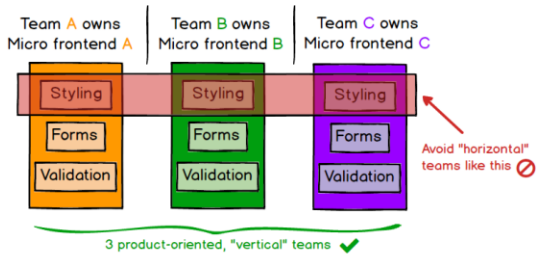
Comprar ya

Team inspire

Productos relacionados

Example





Benefits of using Micro Frontends

- Independent deployment
- Incremental upgrades
- Simple and decoupled codebases
- Autonomous teams

Downsides of using Micro Frontends

- Payload size
- Environment differences

Questions