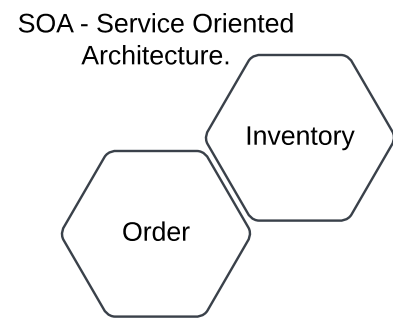


What are Microservices?

Independently releasable services modeled around a bussiness domain.

Information hiding - the idea of encapsulating information that can't change, and exposing information that can change via well defined / deliniated & stable interfaces..

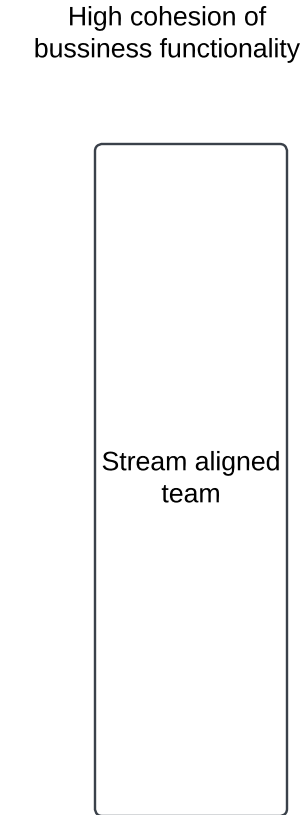
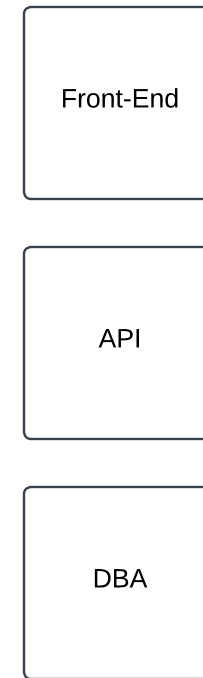
Backward compatability is key.



Core Concepts?

Owning it's own state.
Encapsulate their own data store.

Independent Deployability



Follows from Conways law

Polyskilled

Size - how big should a microservice be?

"It should be as big as your head"

"The size of the interface should be as small as possible"

Flexibility

"microservices buy you options"

Alignment of Architecture and Organization.

User Profile (Bussiness Domain)

Enabling Technolgy

Log Aggregation and Distributed Tracing

Correlation Id - an identifier for an e2e request.

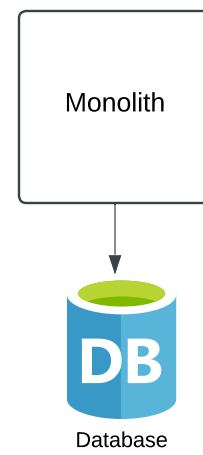
Advantages

Simpler Deployments
Code Reuse

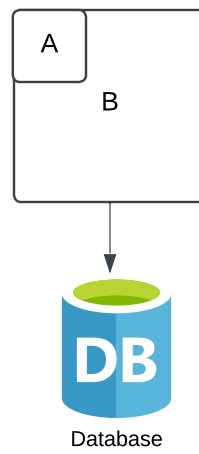
Monolith

Think about this in terms of unit of deployment

Single process monolith



Modular monolith



Shopify

Lack of modularity in the database

Distributed Monolith

Worst

