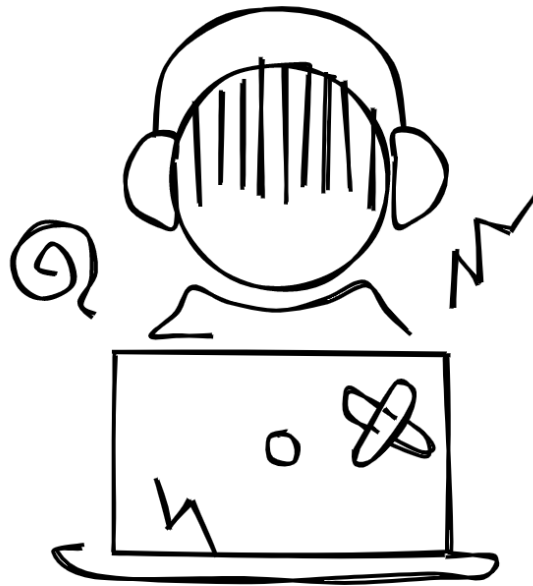


Overview of Microservices architecture



Outline

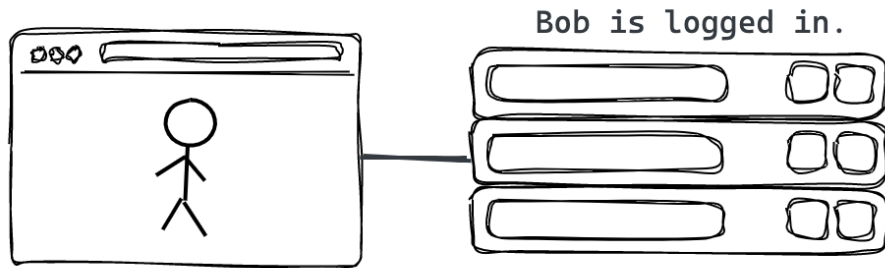
- Terminologies
- What are characteristics of (micro)services?
- Does my application has to be containerized?
- Demo w/ tip for better DX
- Q/A

Terminologies

stateful

Bob logged in website

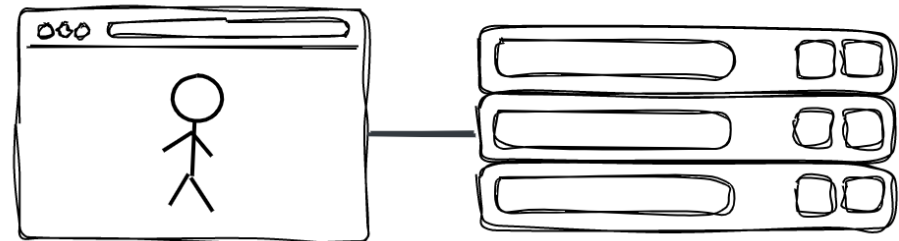
Logged in state of Bob store in server



stateless

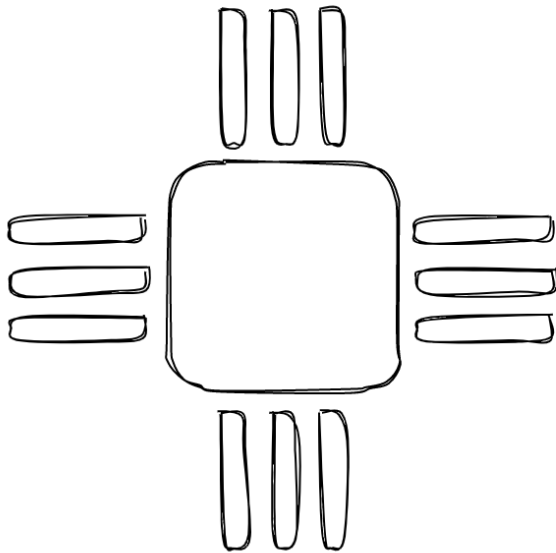
Bob logged in website

Server doesn't know if Bob logged in or not



Terminologies

Vertical Scaling



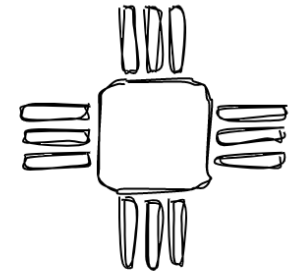
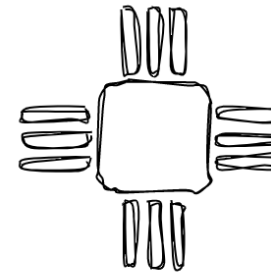
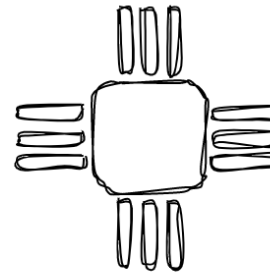
CPU: 64 Cores
Memory: 128 GBs

Horizontal Scaling

CPU: 32 Cores
Memory: 64 GBs

CPU: 32 Cores
Memory: 64 GBs

CPU: 32 Cores
Memory: 64 GBs

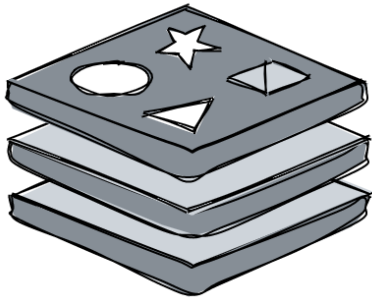


and more ...

Terminologies

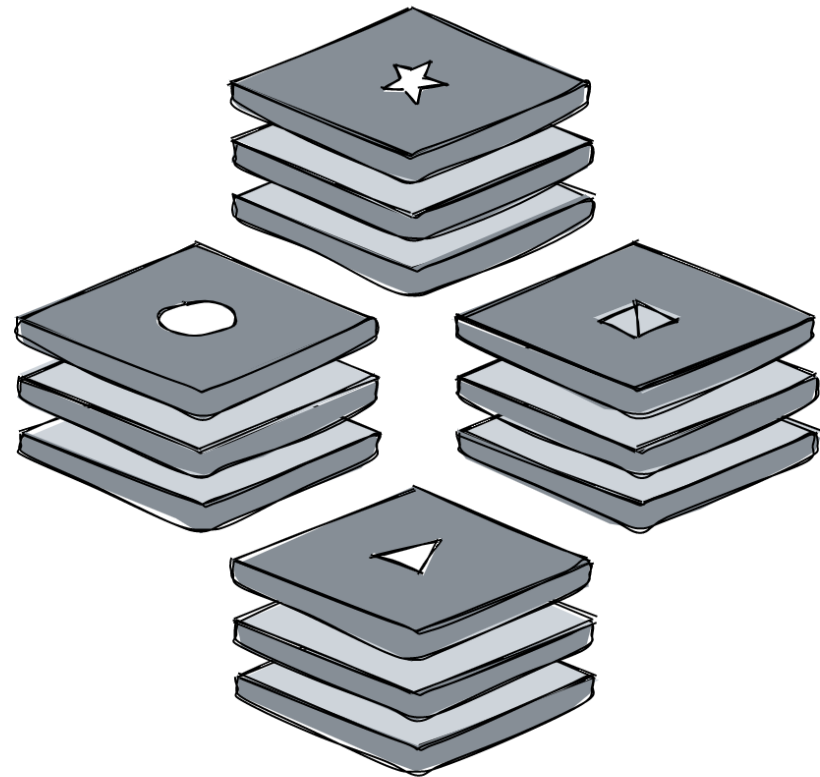
Monolithic

One instance to rule them all



Microservices

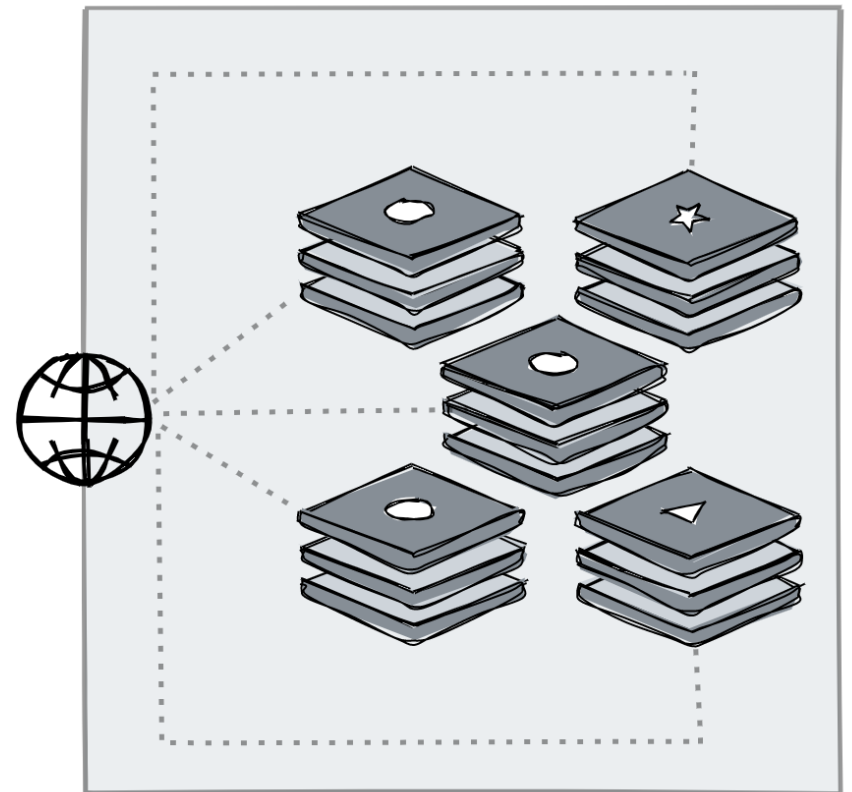
Multiple instances to rule them all



What are characteristics of (micro)services?

It often

- Stateless
- Horizontal scale with ease
- More resilient
- Running behind ingress controller
- Running behind load balancer



Does my application has to be containerized?

Not necessarily

Demo

No Silver Bullet

If (insert any techs) benefits outweigh trade offs, Go for it!

Q/A