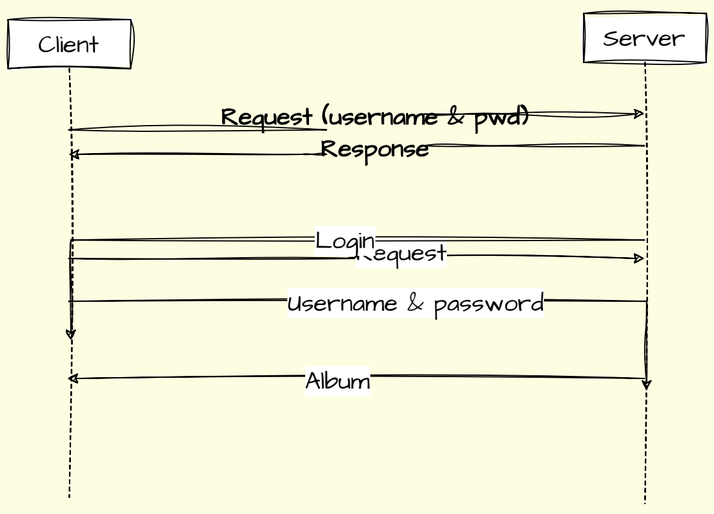
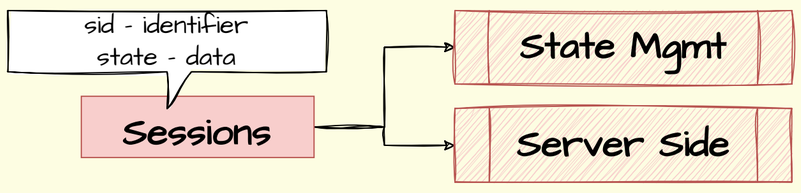
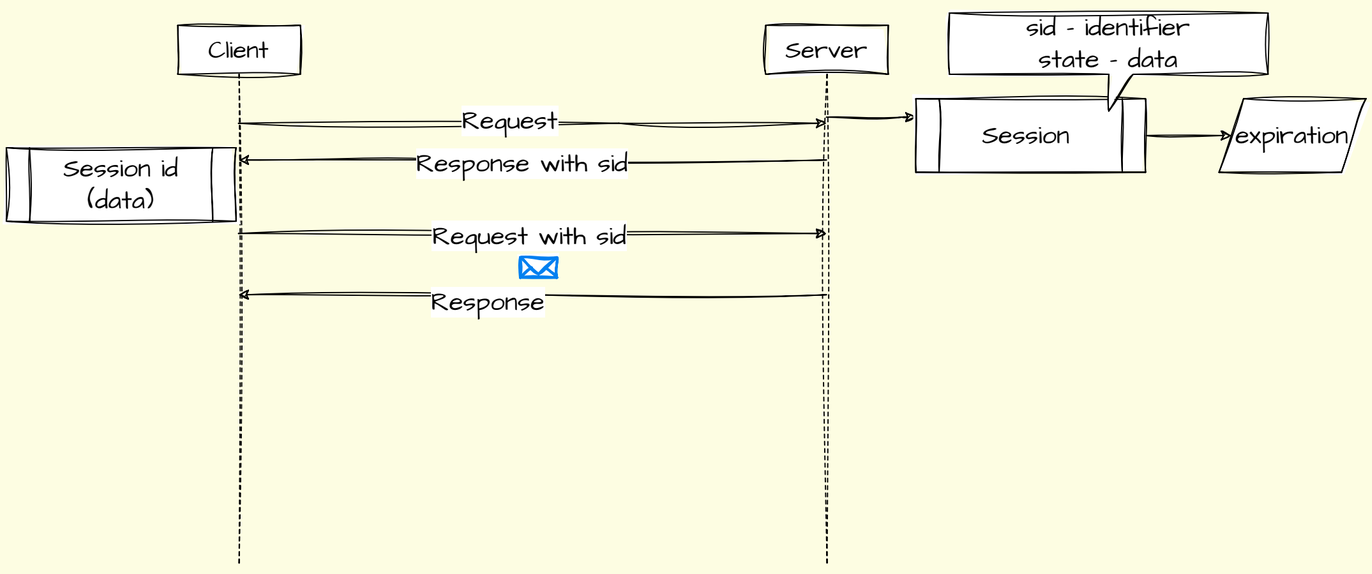
HTTP

- Stateless protocol (Server does not keep track of client)

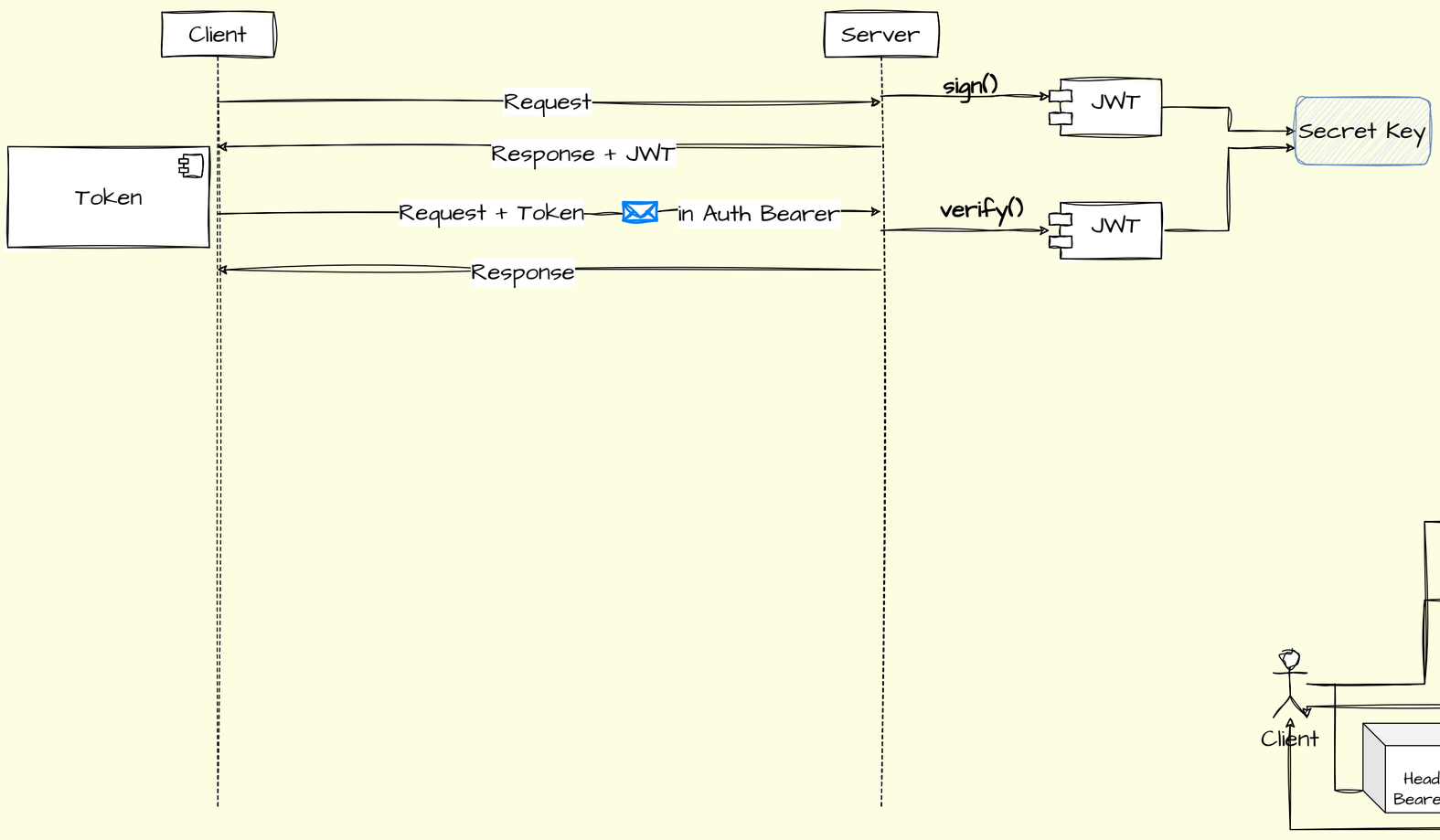


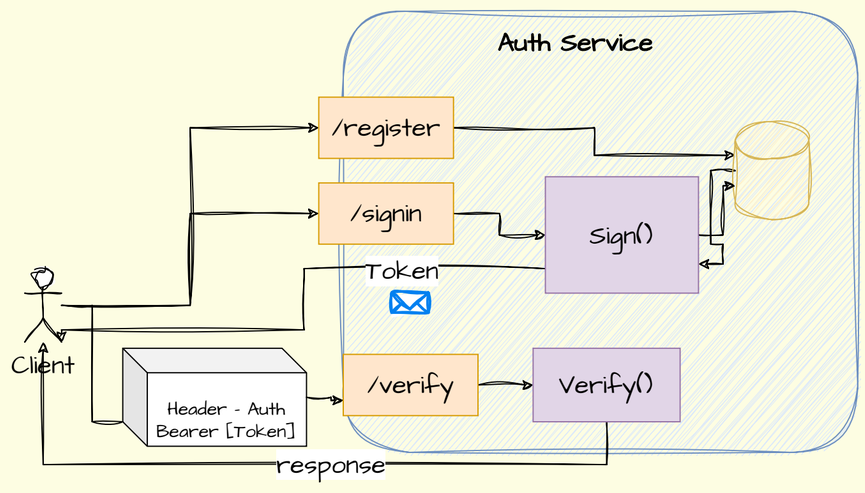


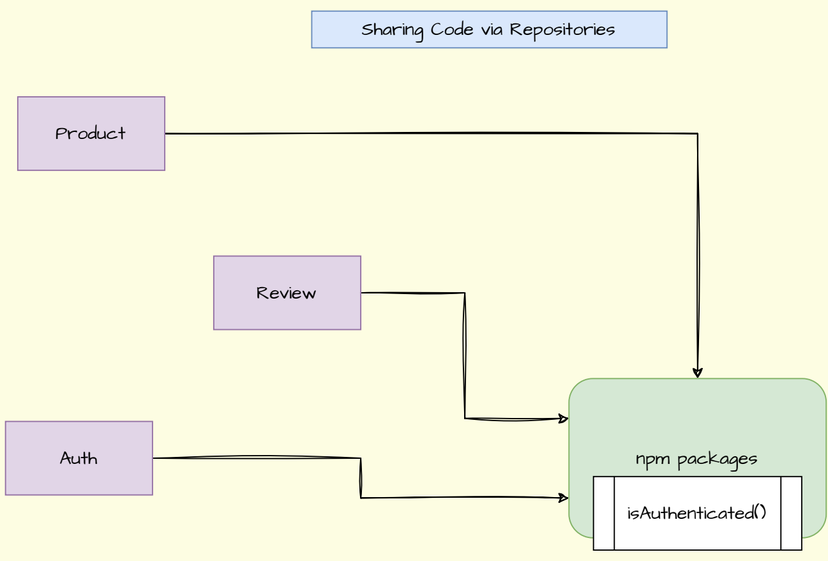


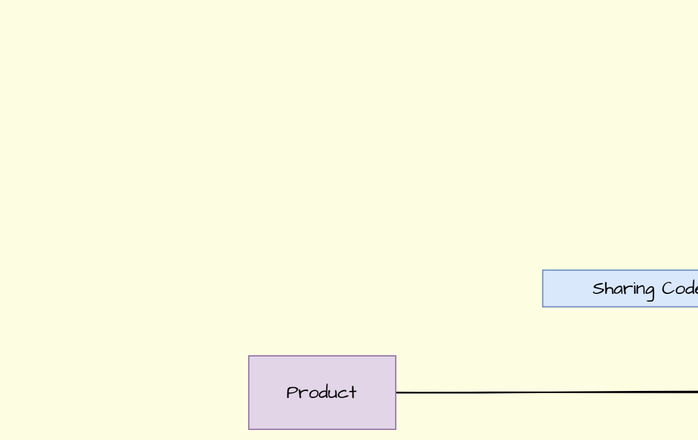
JWT

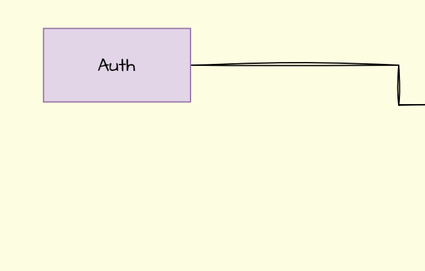
- JSON Web Token
- Having some payload & they make a claim

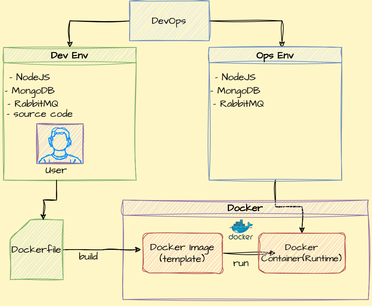


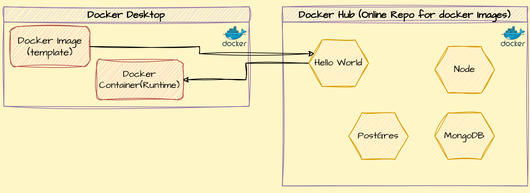


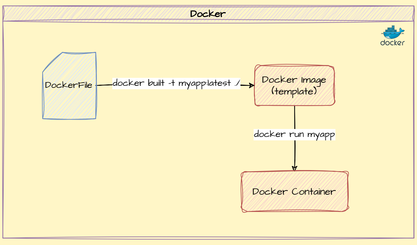








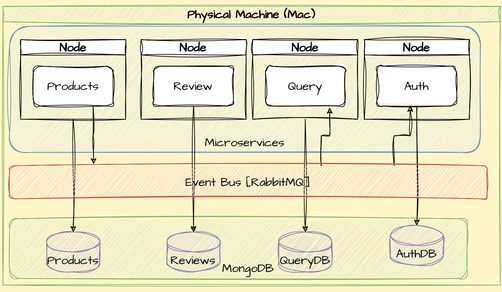


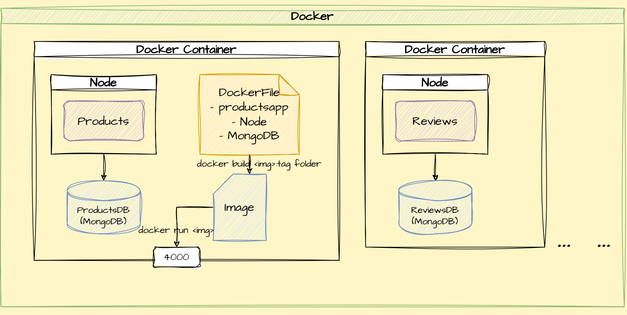


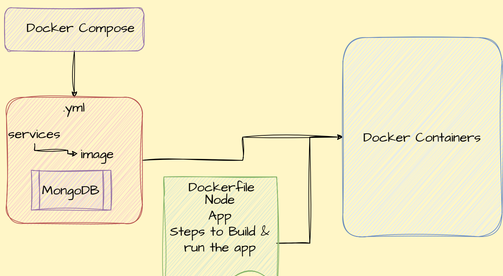
dockerignore

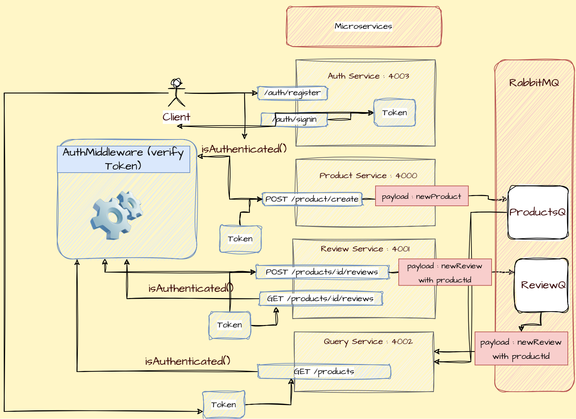
docker-compose

kubernetes









Why Kubernetes ?

MongoDB

Products

Query

Client

The Problems

If one service is down - then request fails

Services are not managed ie

-> Not Fault Tolerant

-> What if a service needs to be scaled ?

Kubernetes Objects

Pod

Deployment

Service

Client

/products

Ingress Nginx - Load Balancer / API Gateway

Kubernetes [Cluster]

K8s-Node

Deployment

Pod

Products

Products Cluster IP

Deployment

Pod

RabbitMQ

RabbitMQ Cluster IP

Master

Advantages of Deployment

- Manager of Pods
- Fault Tolerant - If a pod is down then rerun it..
- Updating the pods is very easy

Products Deployment

Products v1

Products v1

Product v2

Services

A method for exposing a network application that is running as one or more pods in your cluster

Cluster IP - Inter pod communication