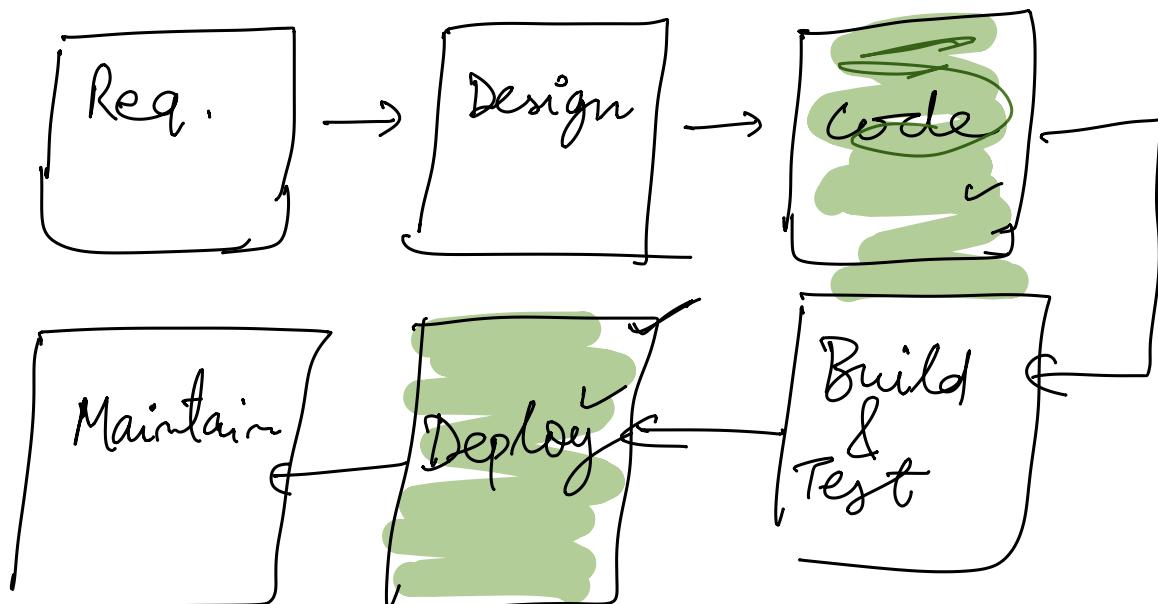


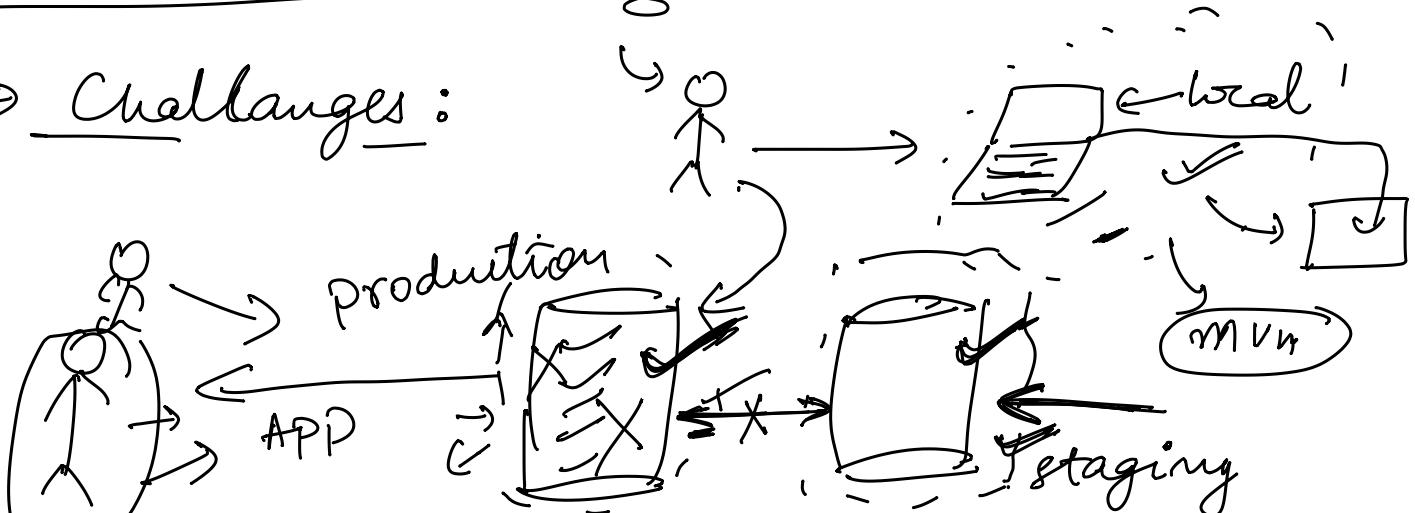
Introduction to Docker & Kubernetes

- Docker:
 - SDLC
 - Challenges in a "dockless"
 - Intro to docker
 - hands-on session
 - docker-compose
 - Kubernetes:
 - Microservices
 - ORCHESTRATION
 - KUBERNETES
 - Architecture
 - Kubernetes hands-on
- cfzw Bw

-
- SDLC: Software →



-
- Challenges:



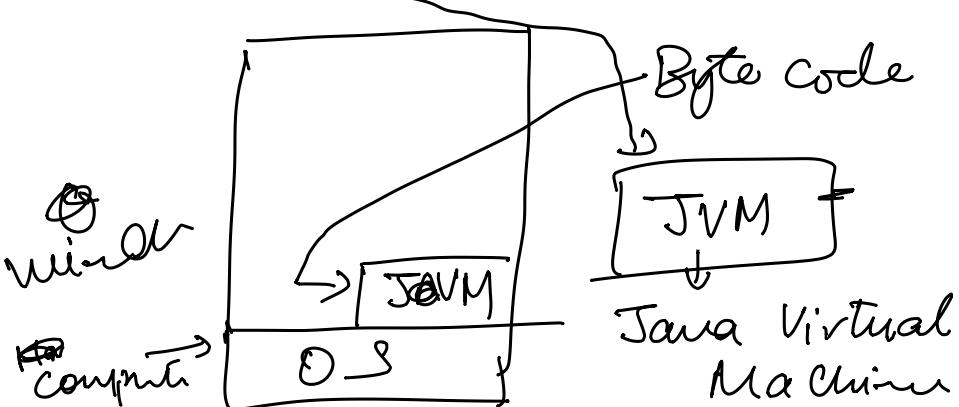
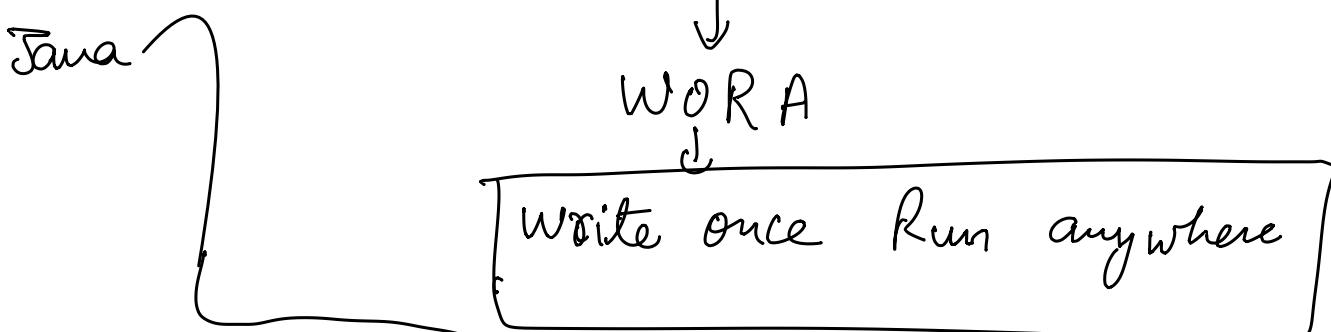
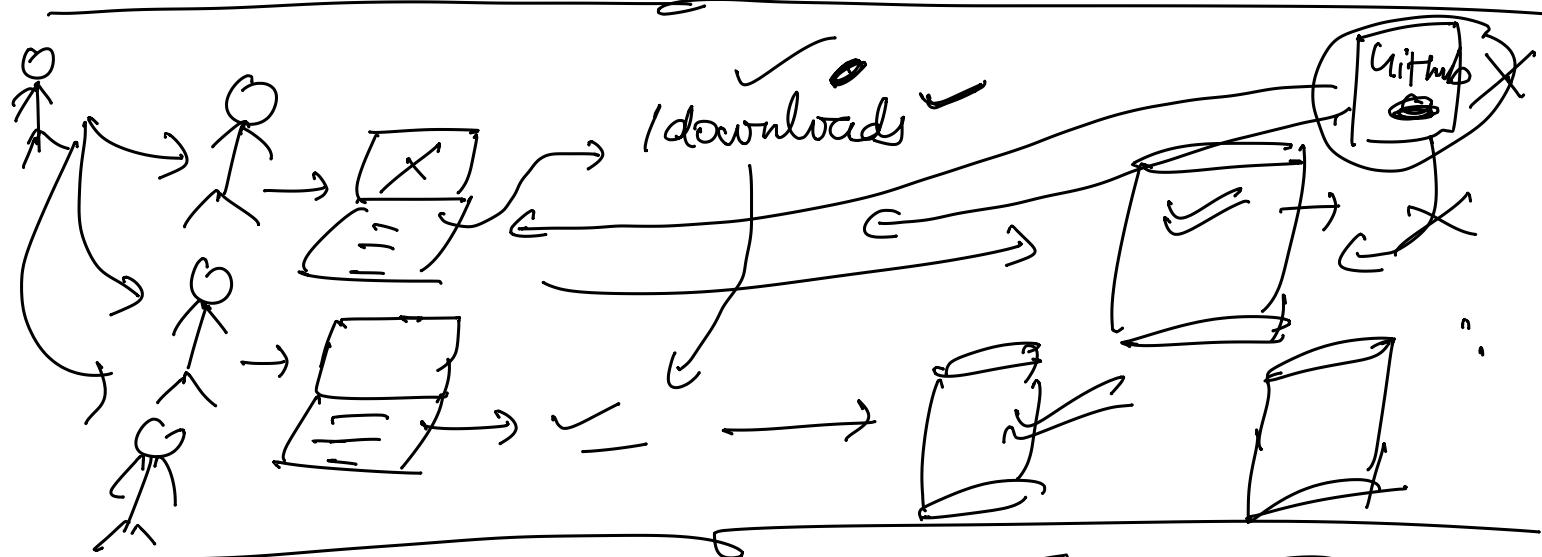
- Inconsistent environments ↗
- Dependency issues ↗

→ Application dependency }
External dependency.

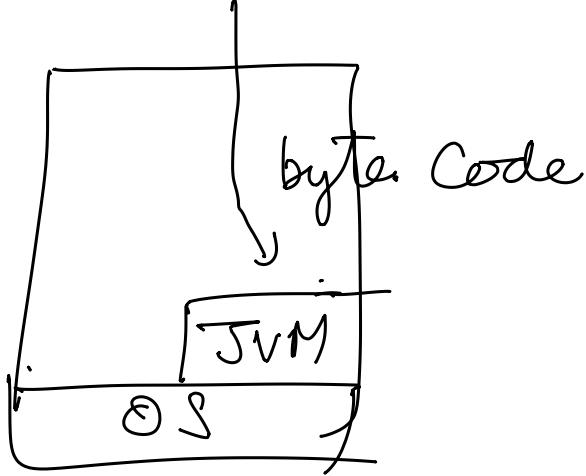
- Scalability issue



- Manual configuration



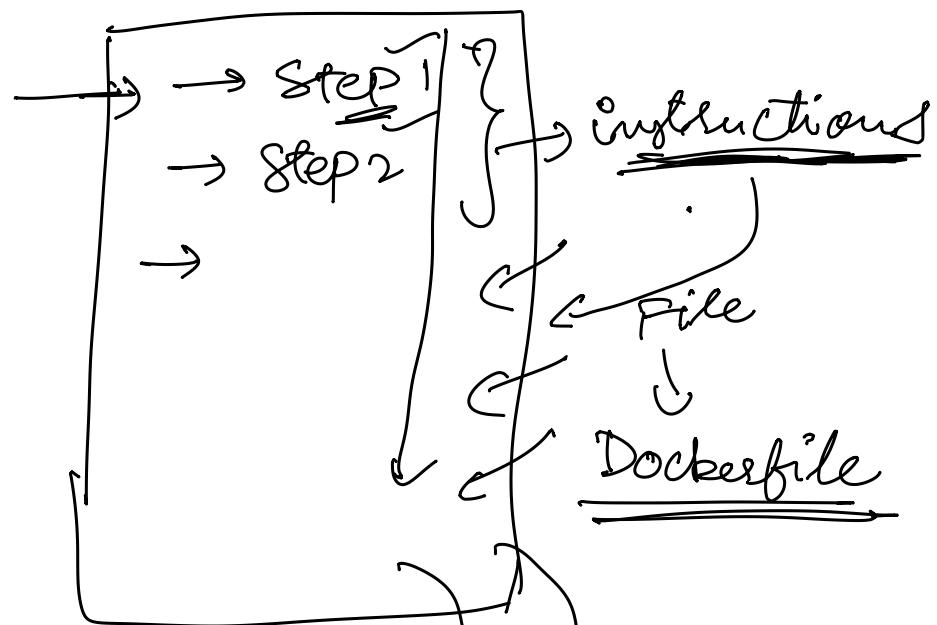
Linux



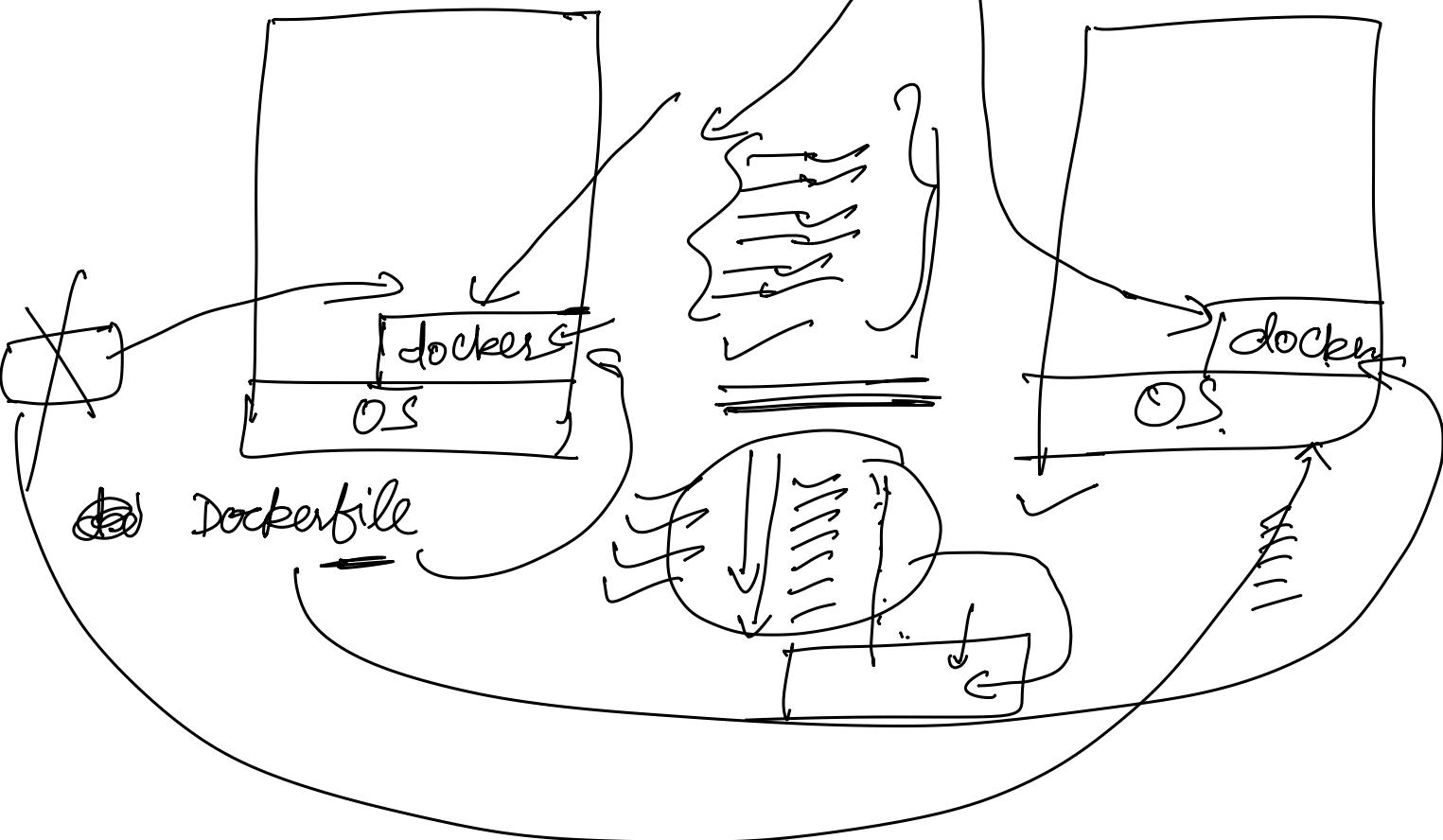
JAVA

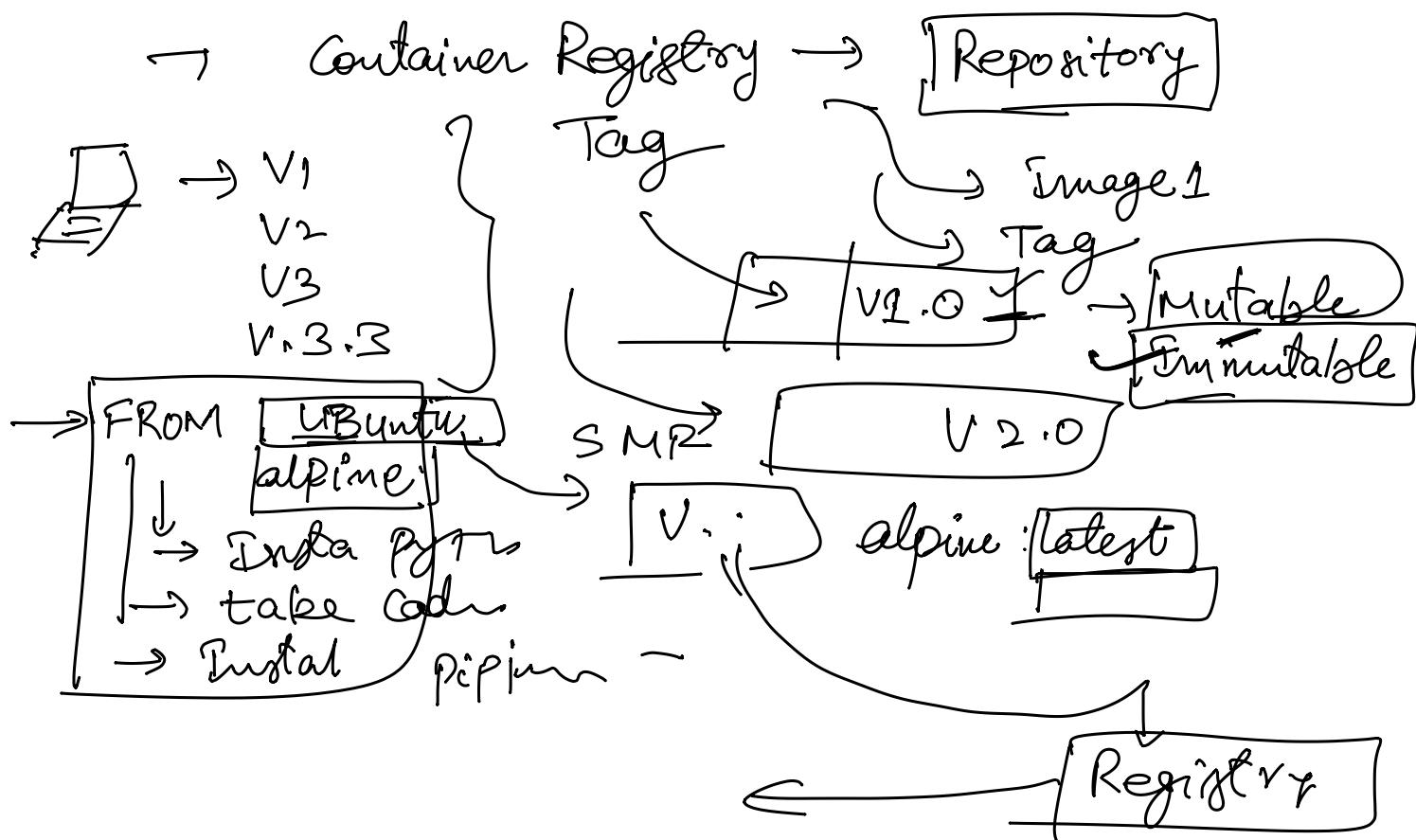
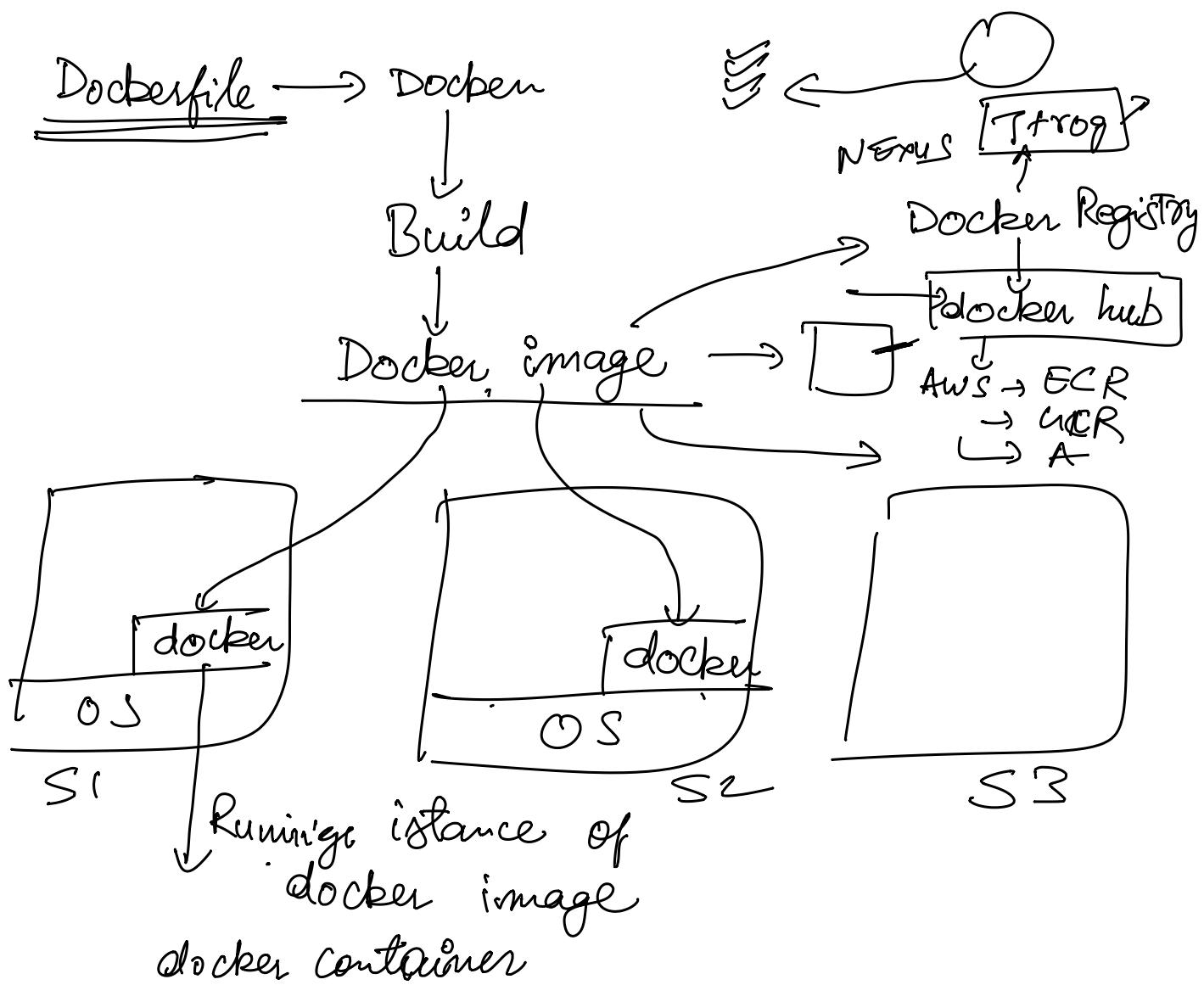
(DOC)

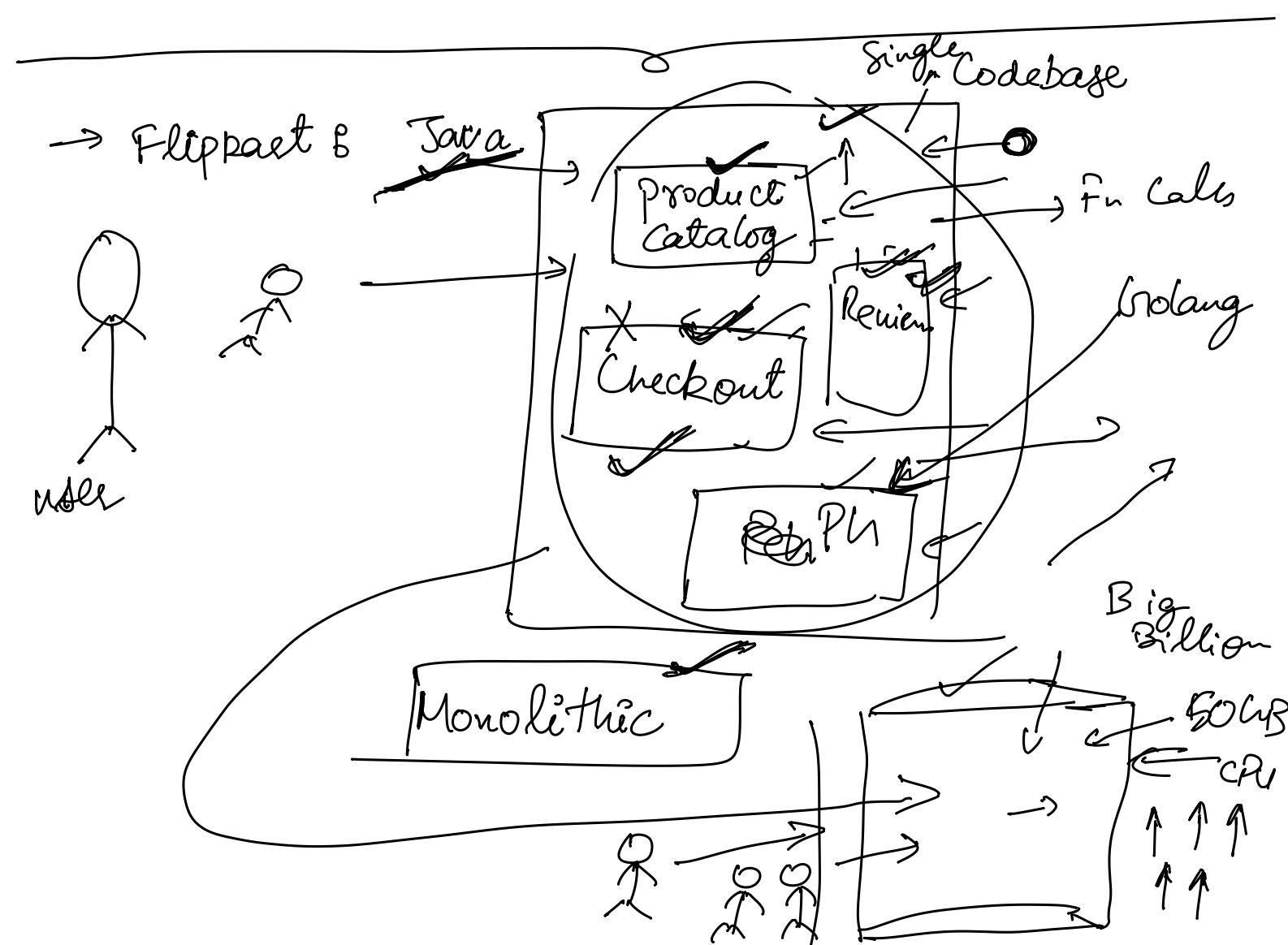
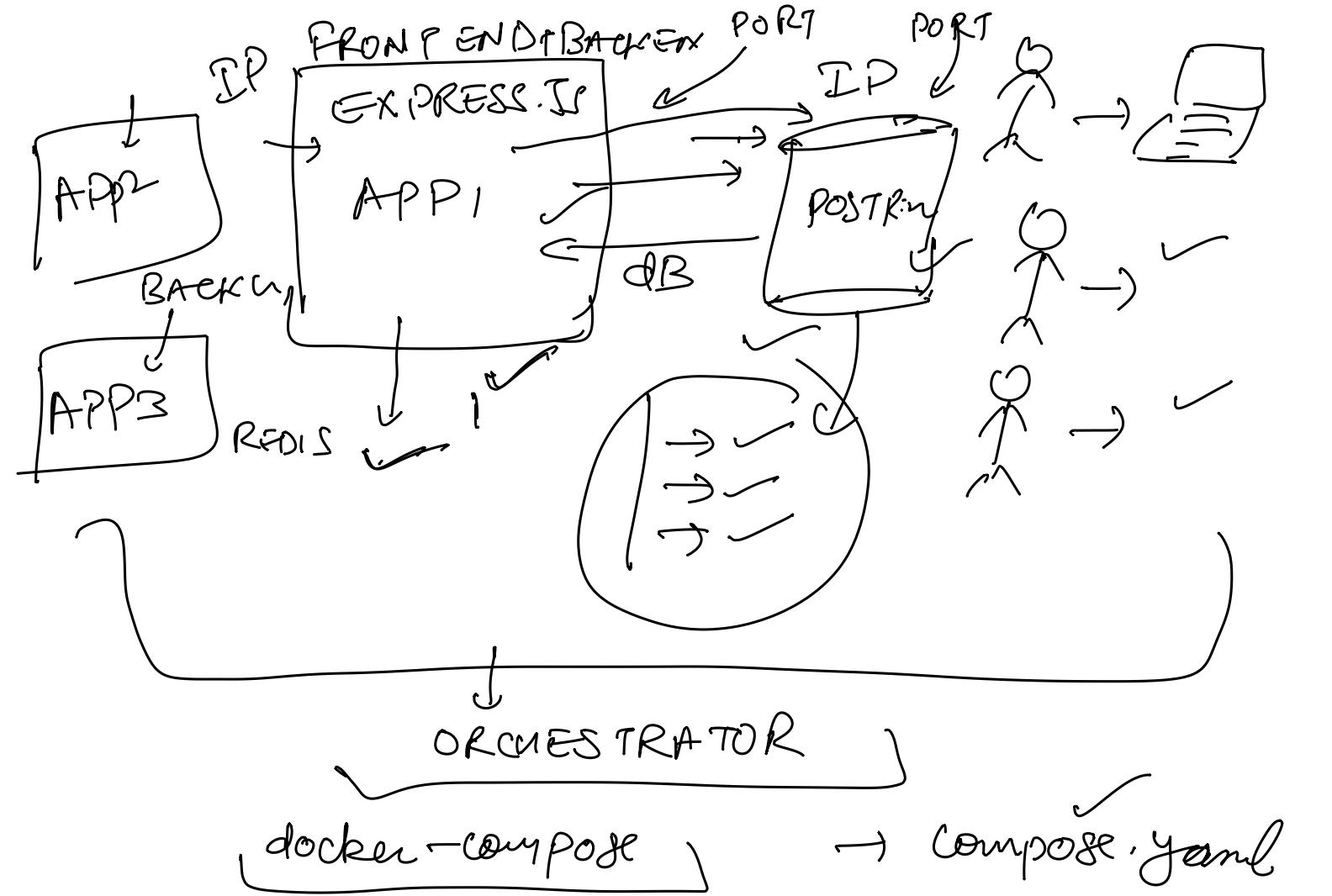
Process

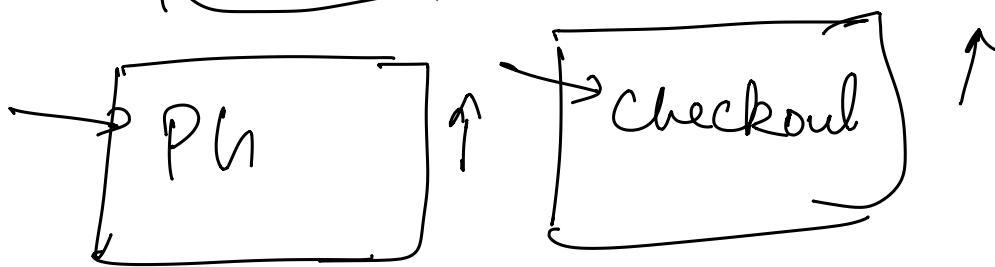
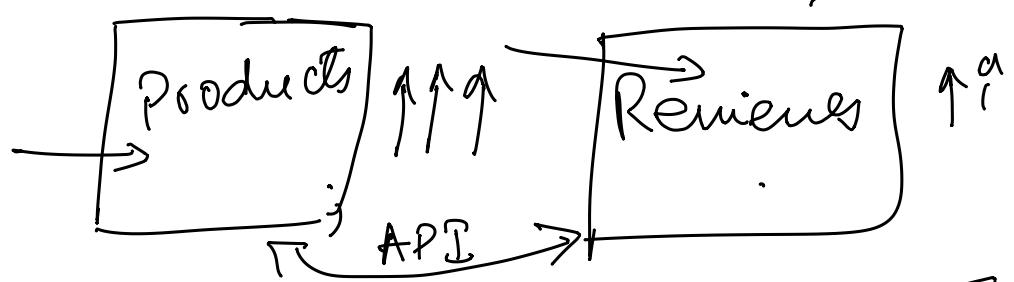
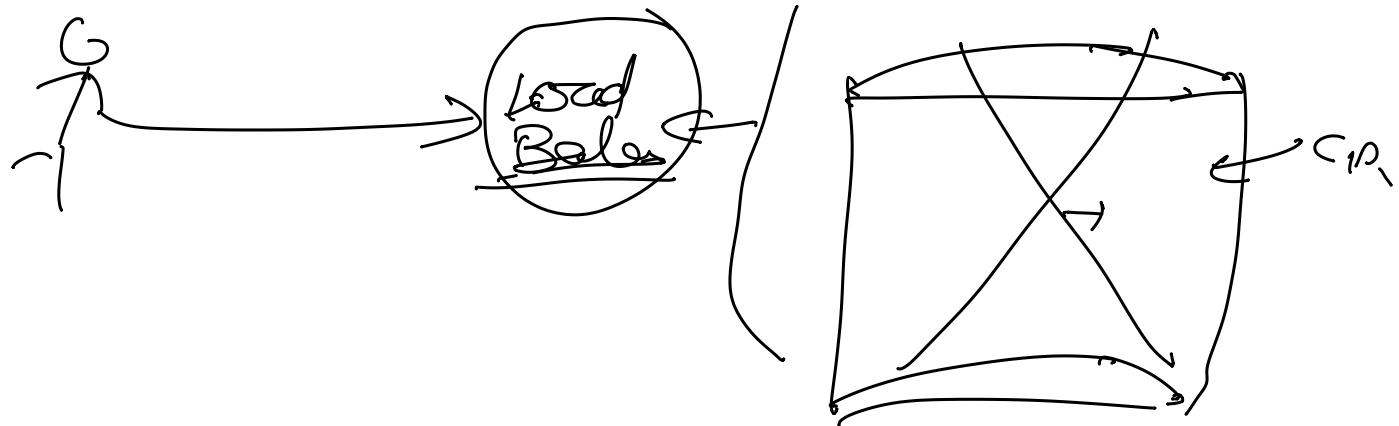


Dockerfile

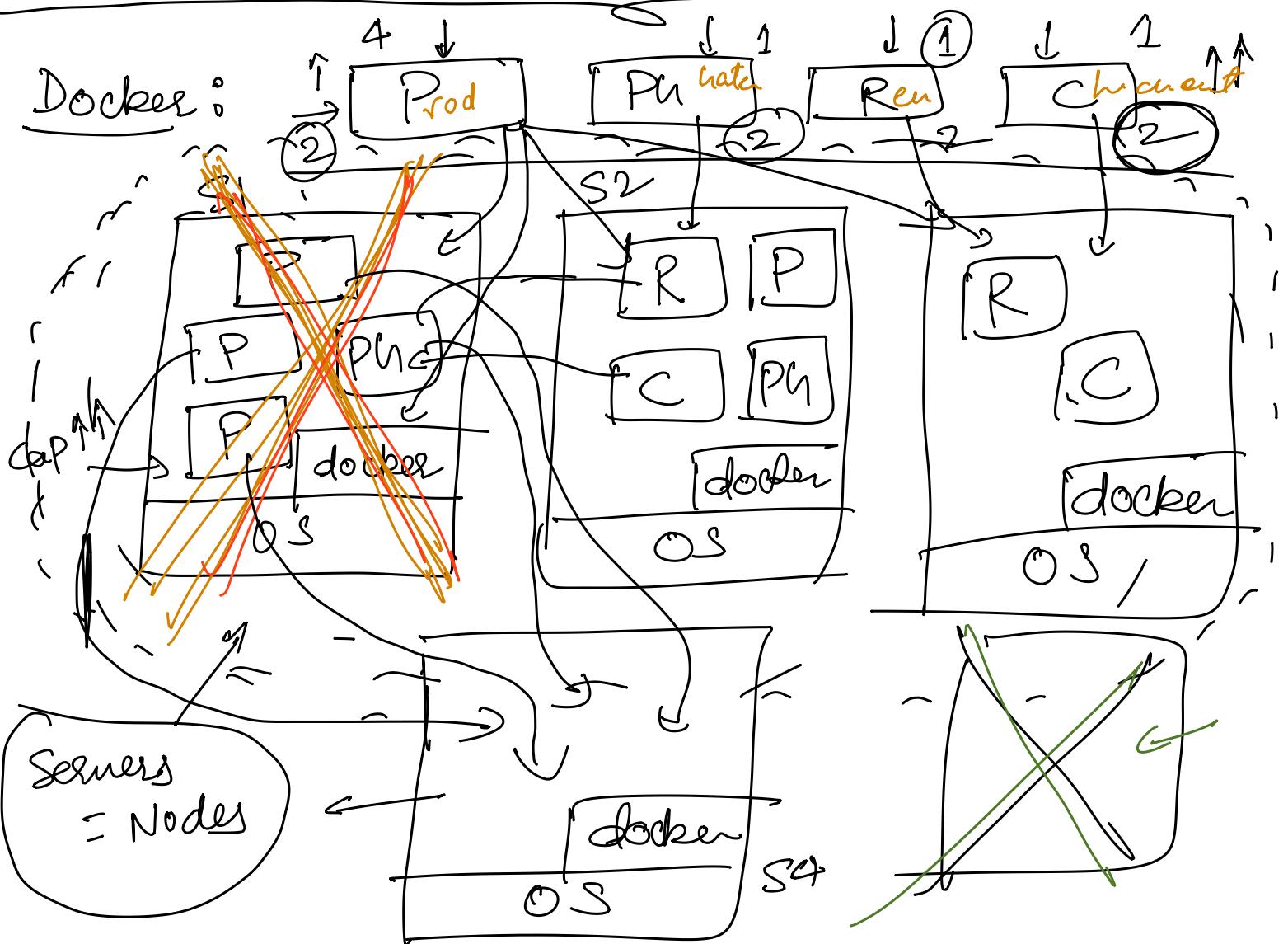








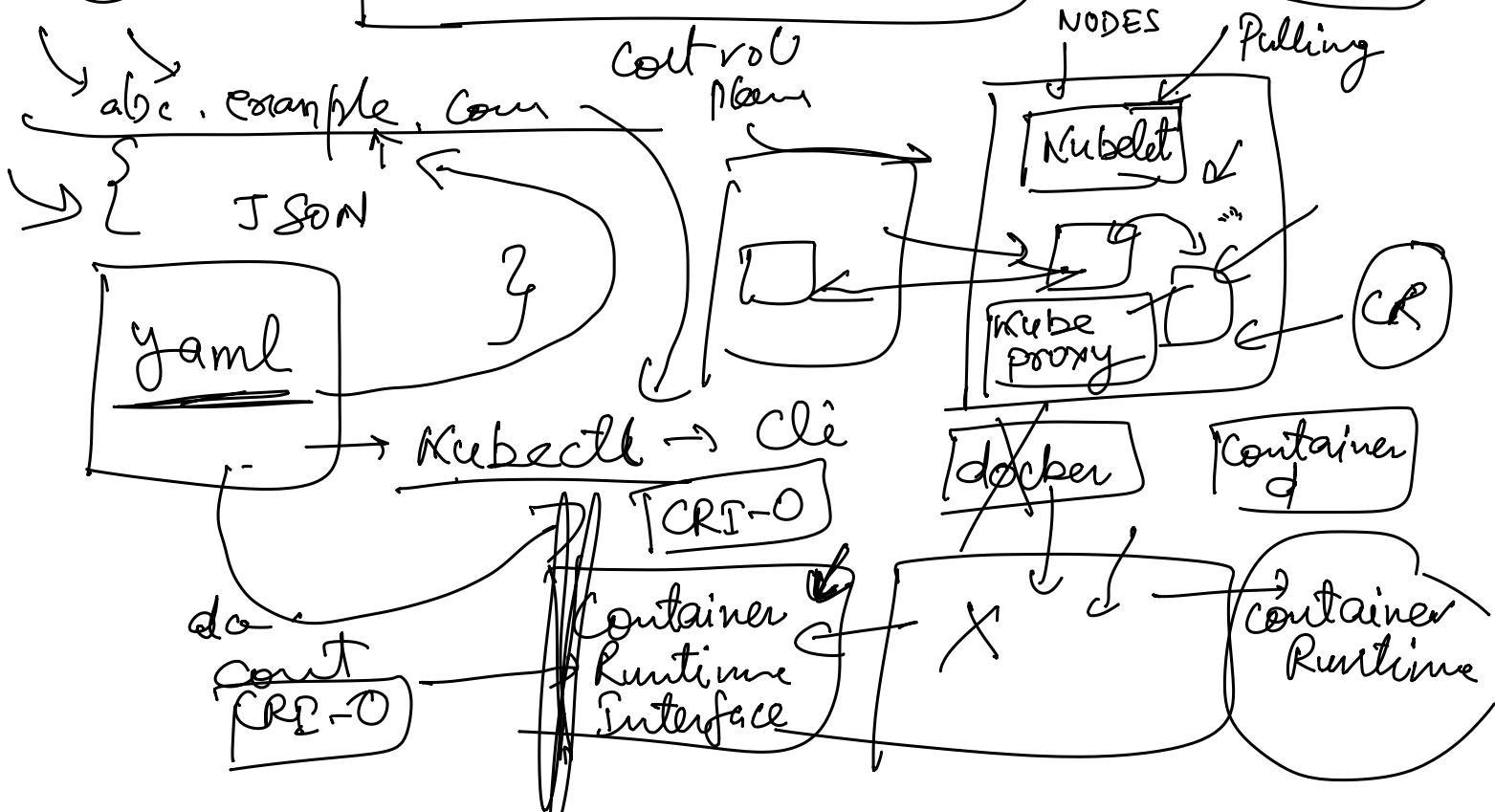
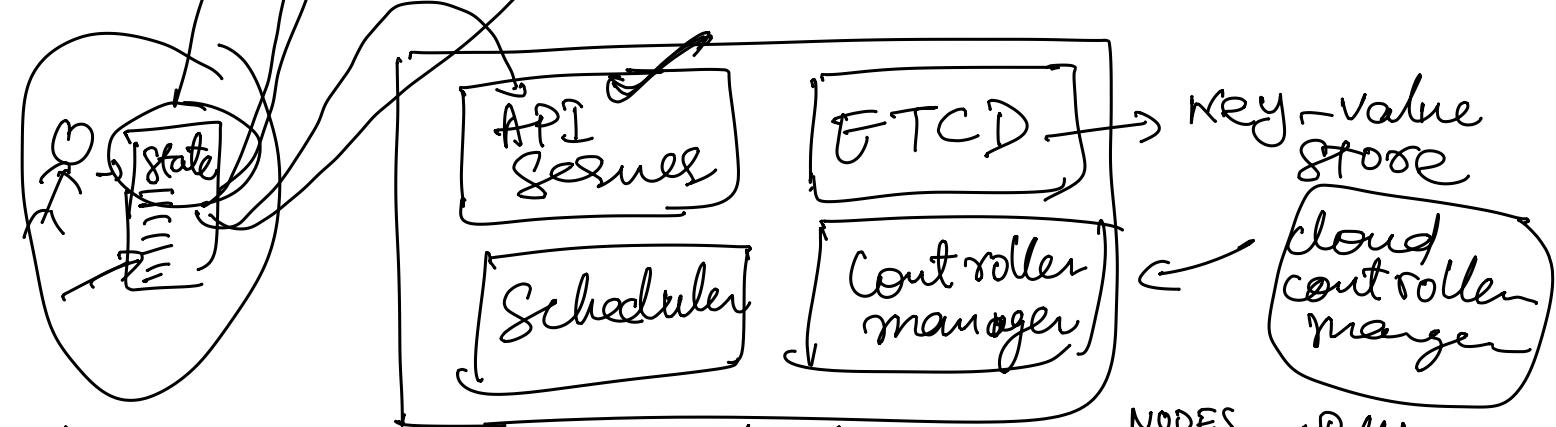
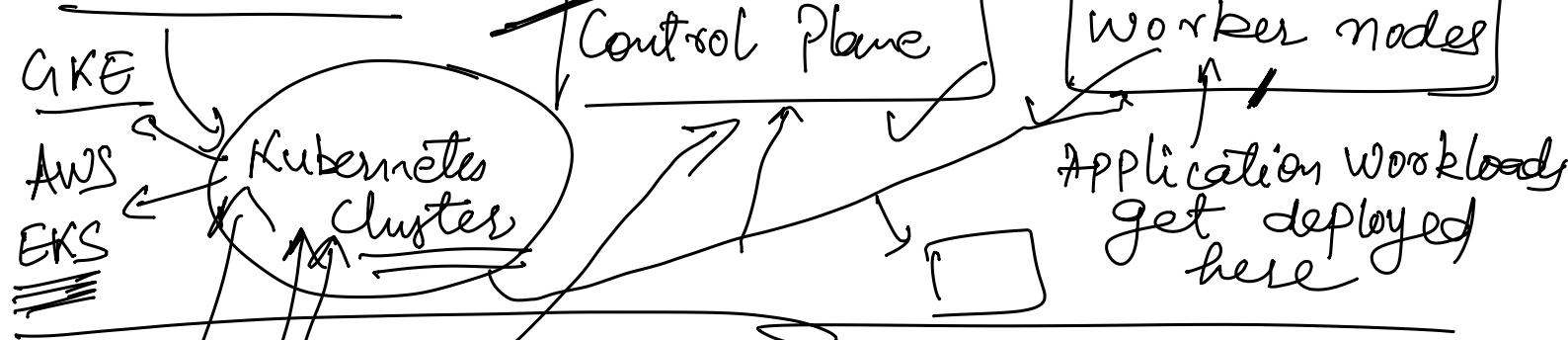
Microservice

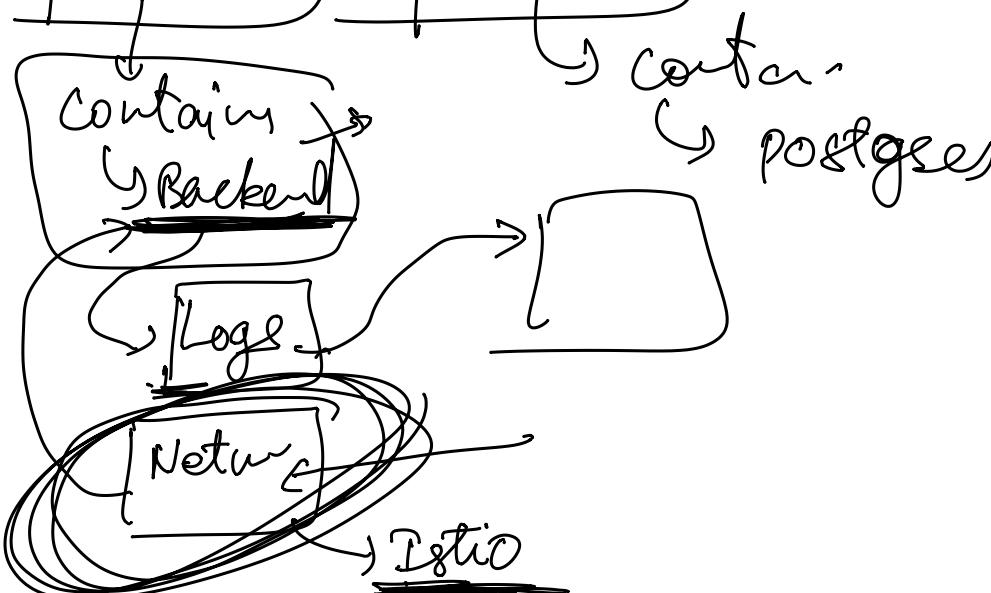
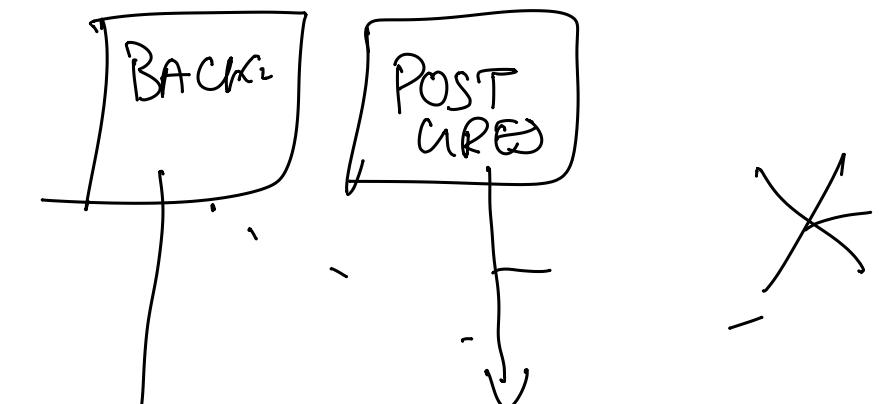
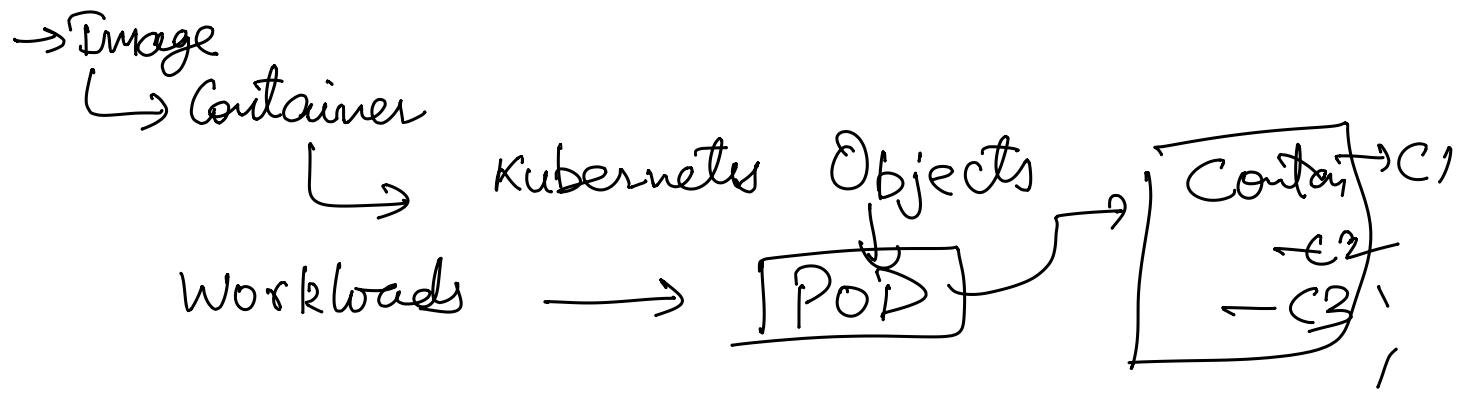


ORCHESTRATOR

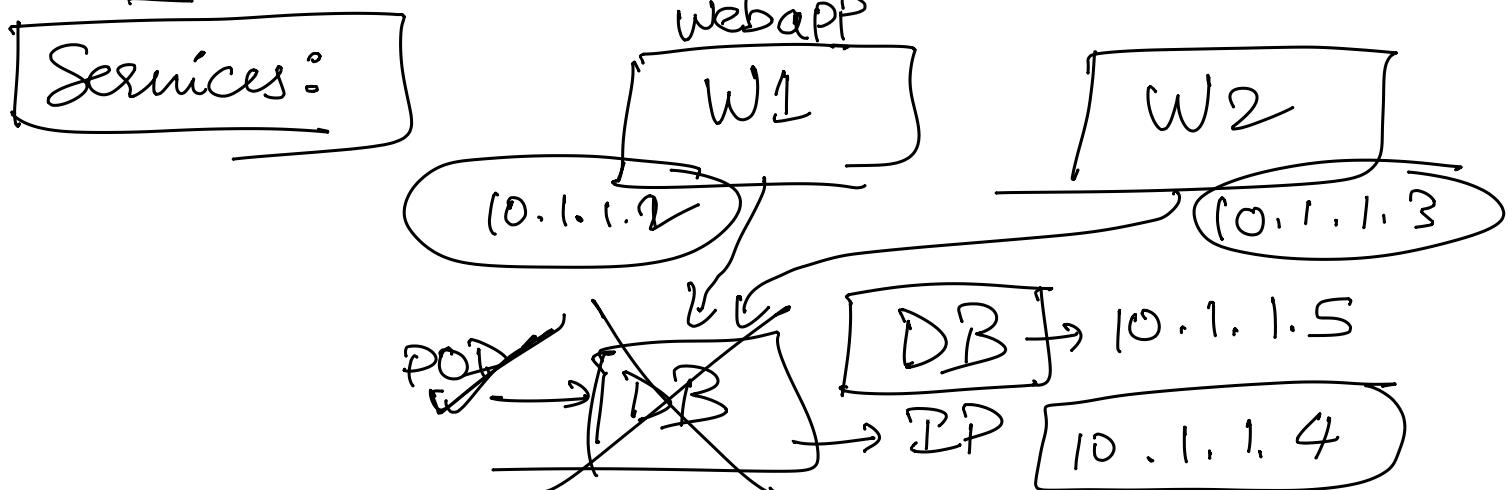
Kubernetes

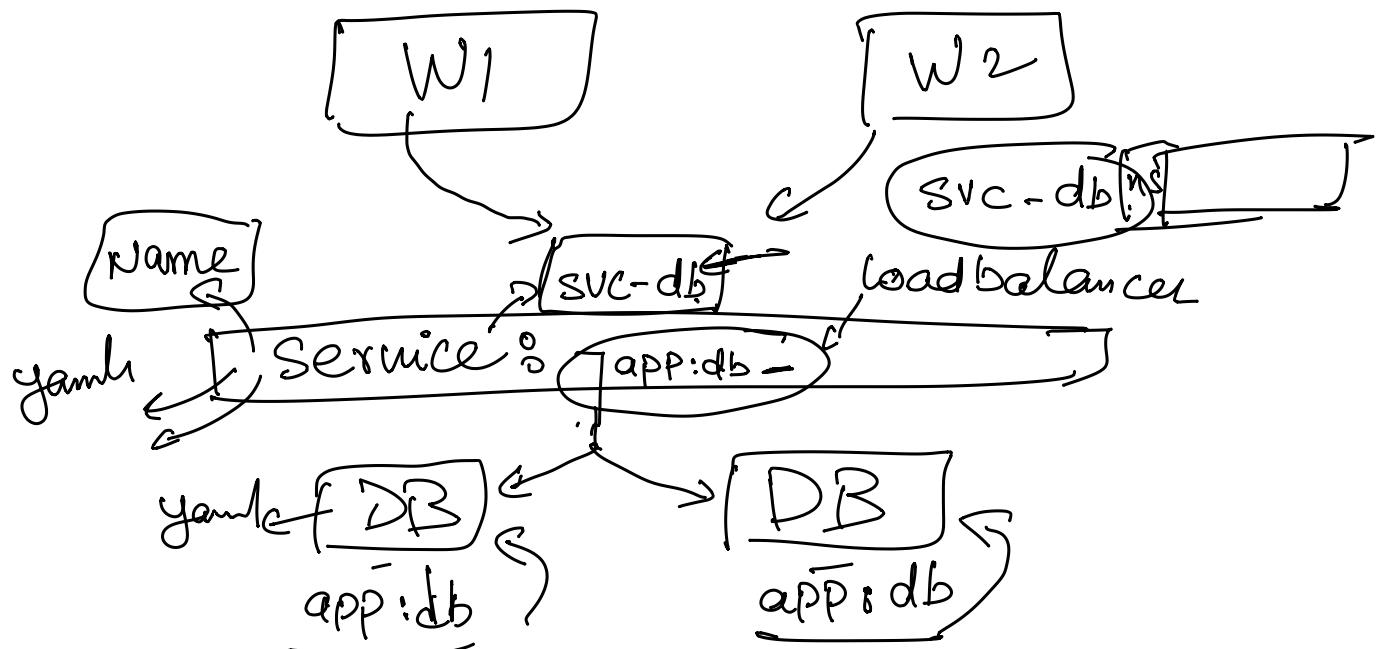
Architecture:



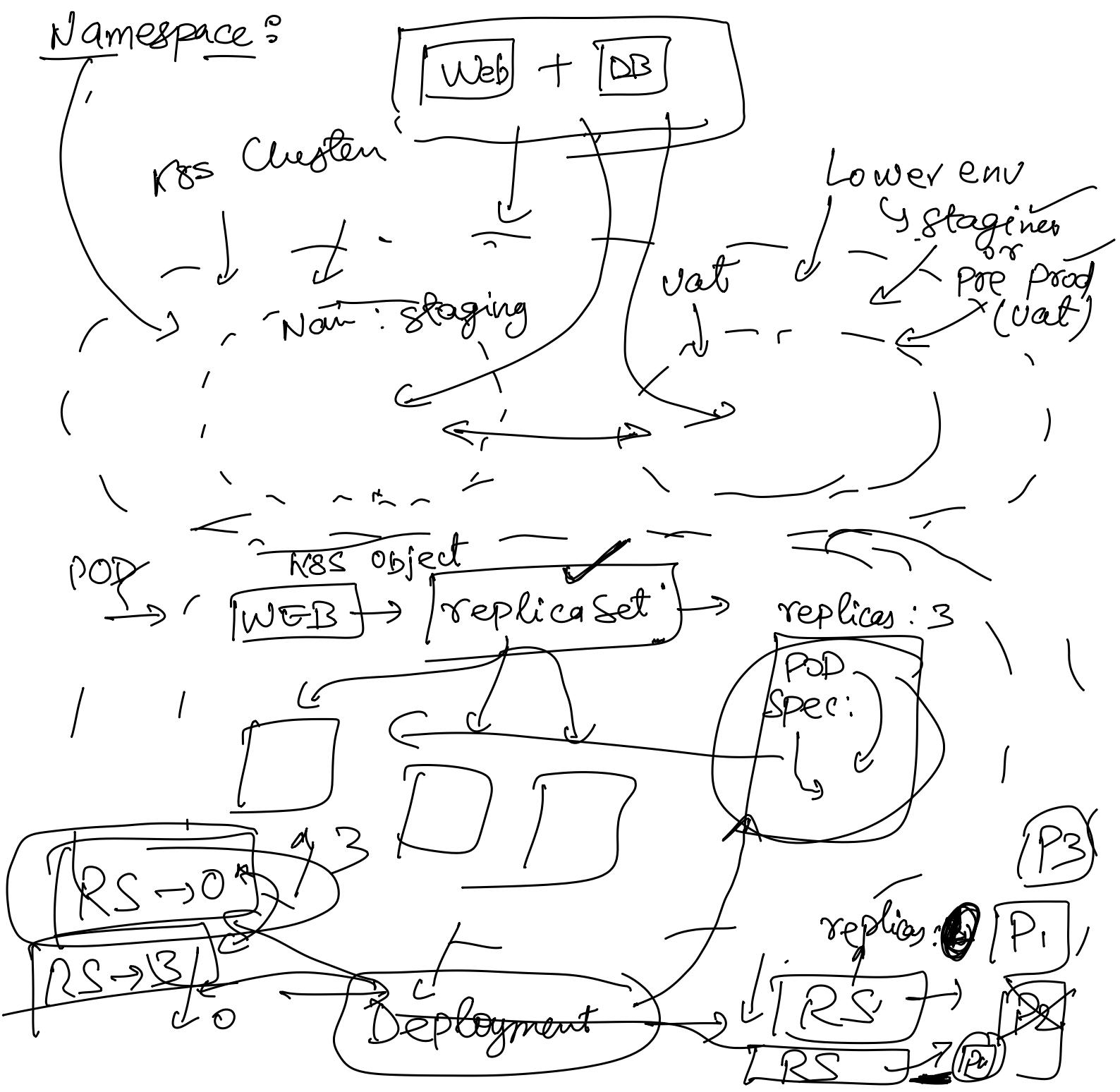


- Sidecar Containers ✓
- Init Containers ✓





Namespace :



→ `apiVersion: []`
`Kind: POD ↪`
`Spec:`
`metadata:`

Kubectl
apply
-f `[Pod.yaml]`