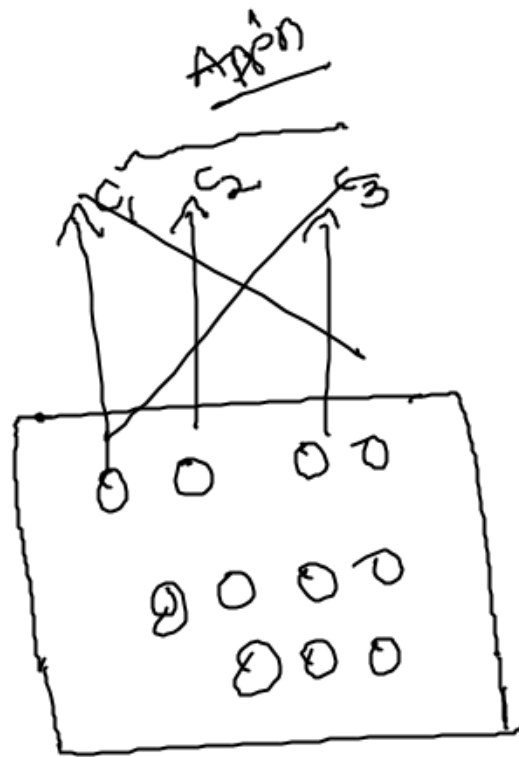


key

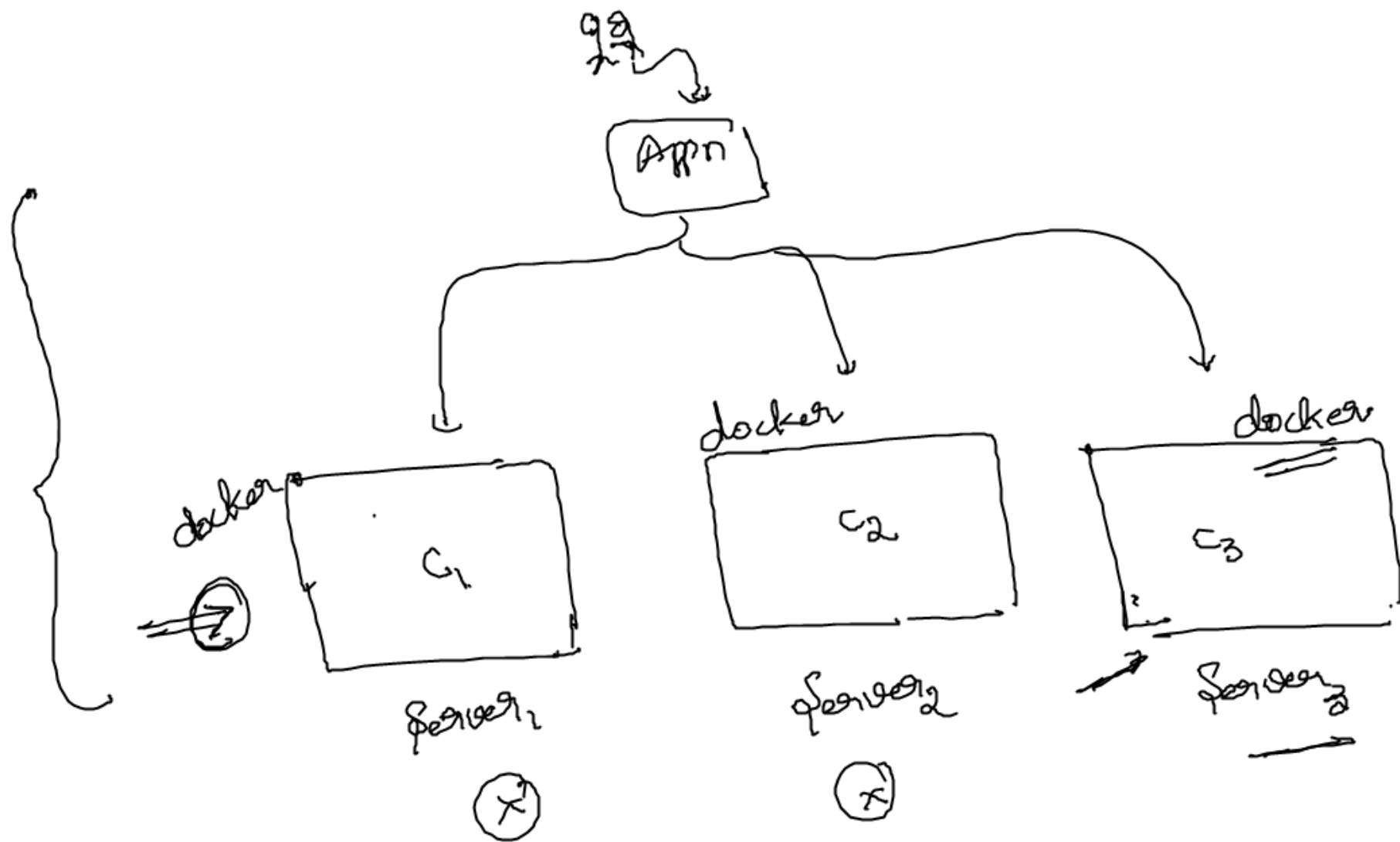
kubernetes - k8s

drawbacks of docker :-



~~Security ??~~

"disaster"



cluster of nodes docker

↓

1. docker swarm. (X)

2. Apache mesos (X)

costly (X) 3. Redhat openshift (X)

(opensource) (1)

4. (2)

Kubernetes (K8S)

AWS

[EKS]

Azure

[AKS]

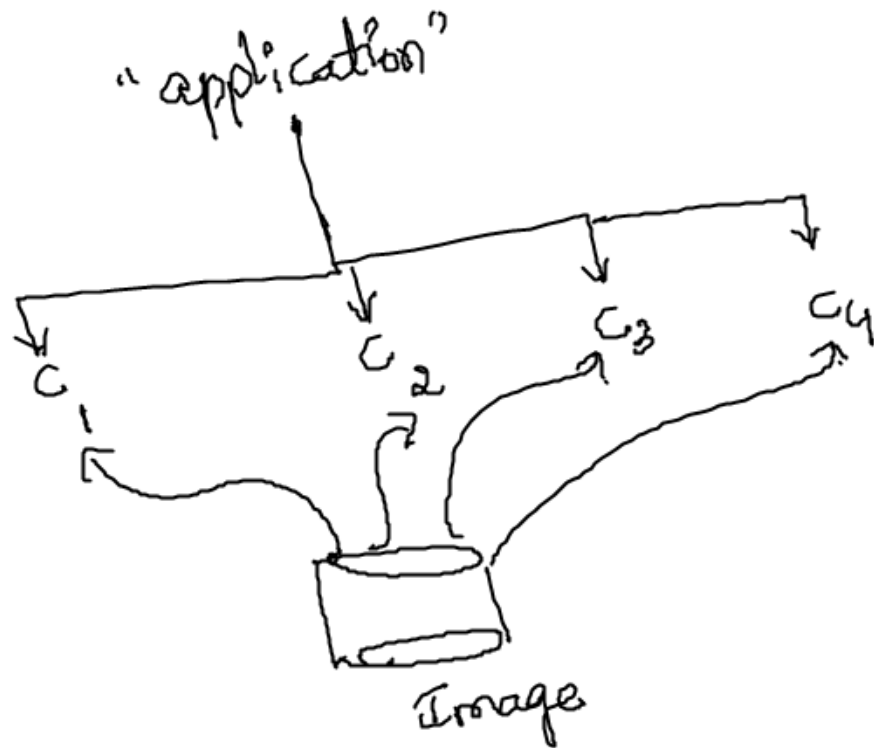
Google

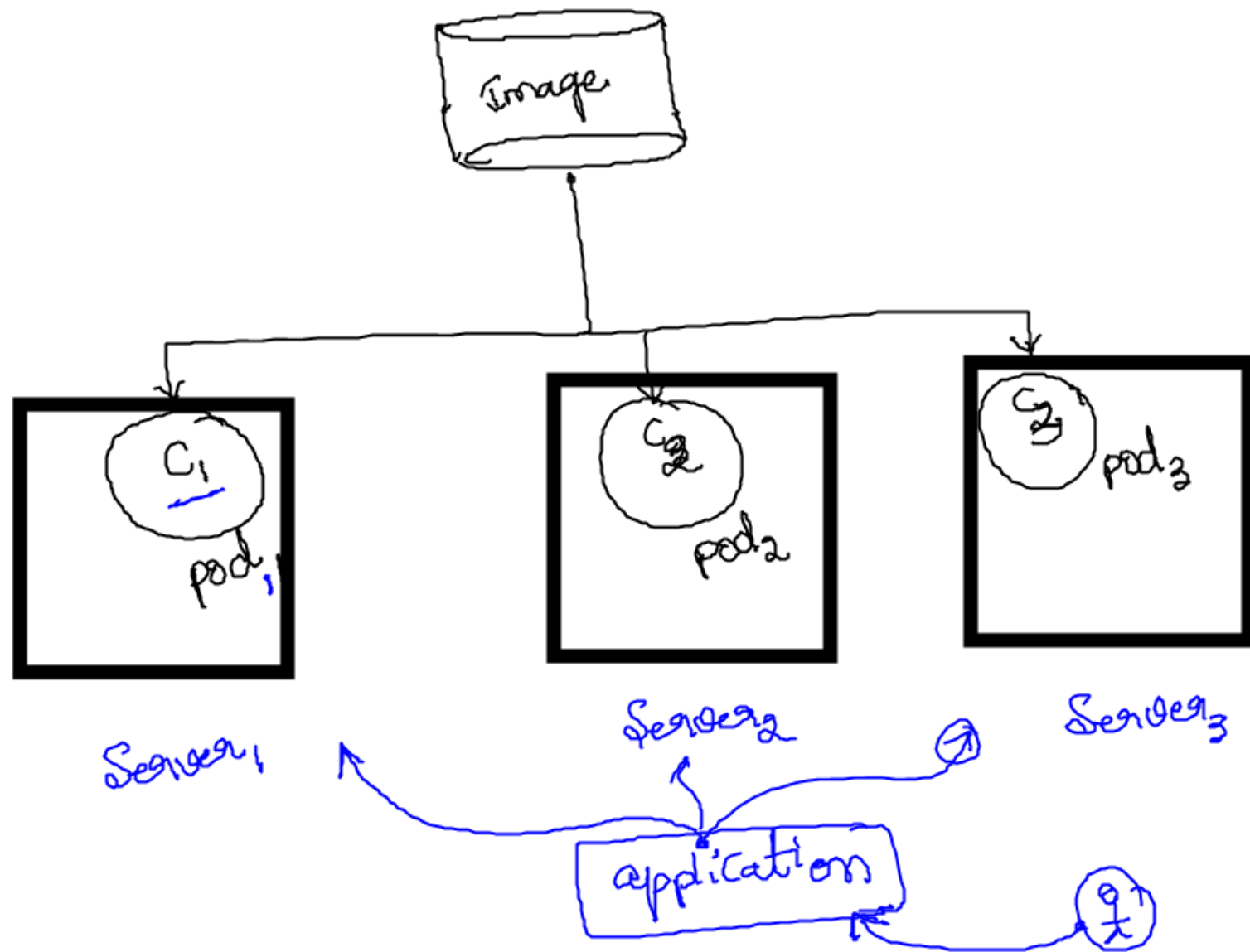
[GKE]

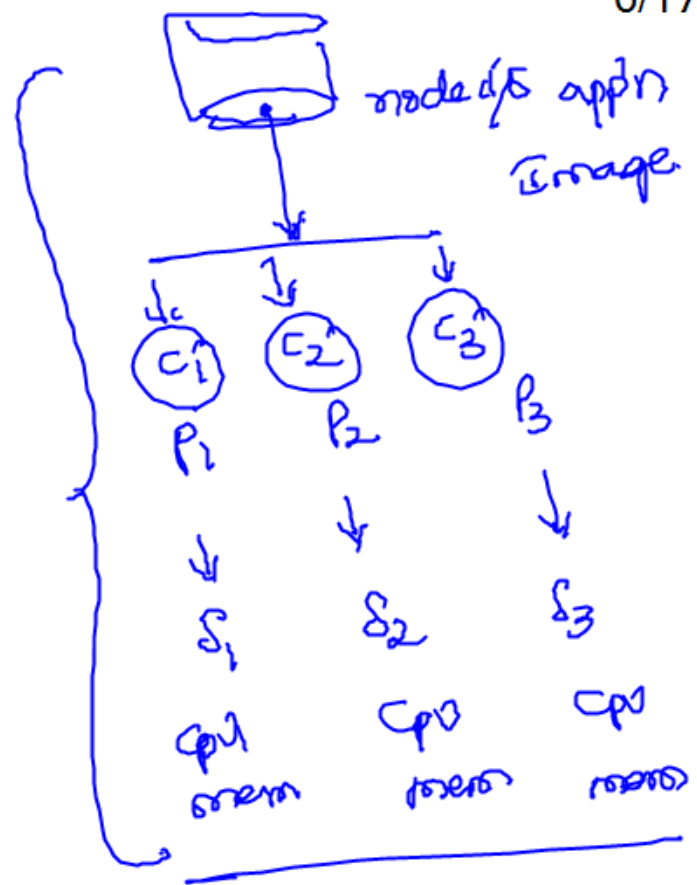
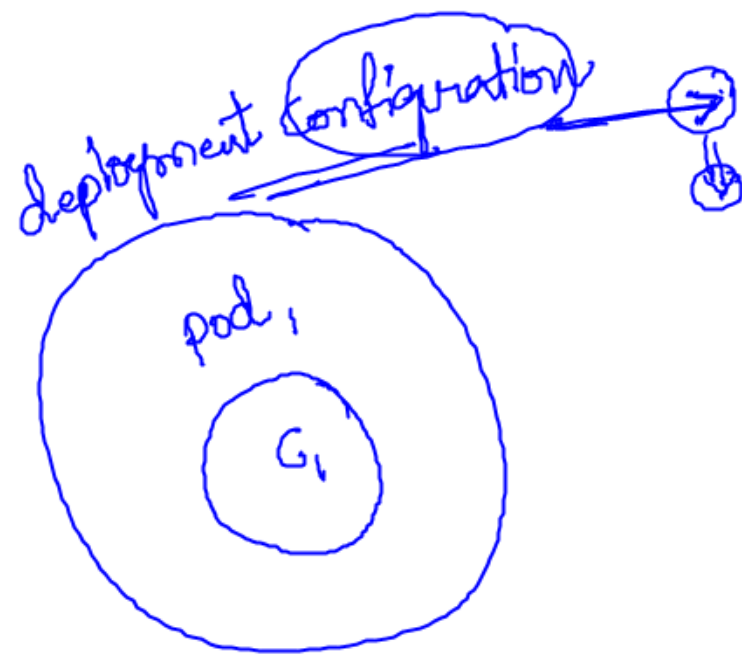
kubernetes
Application components

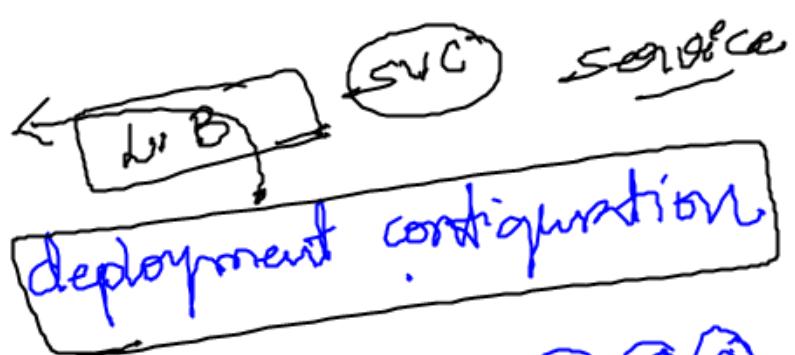
4/17

docker
③

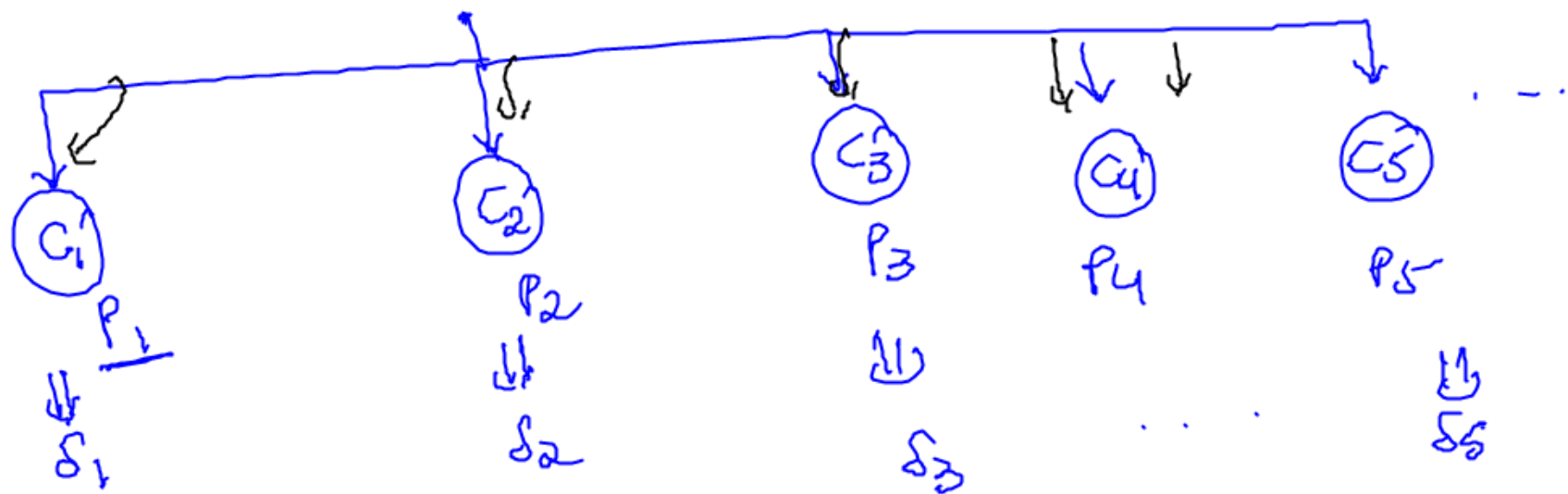


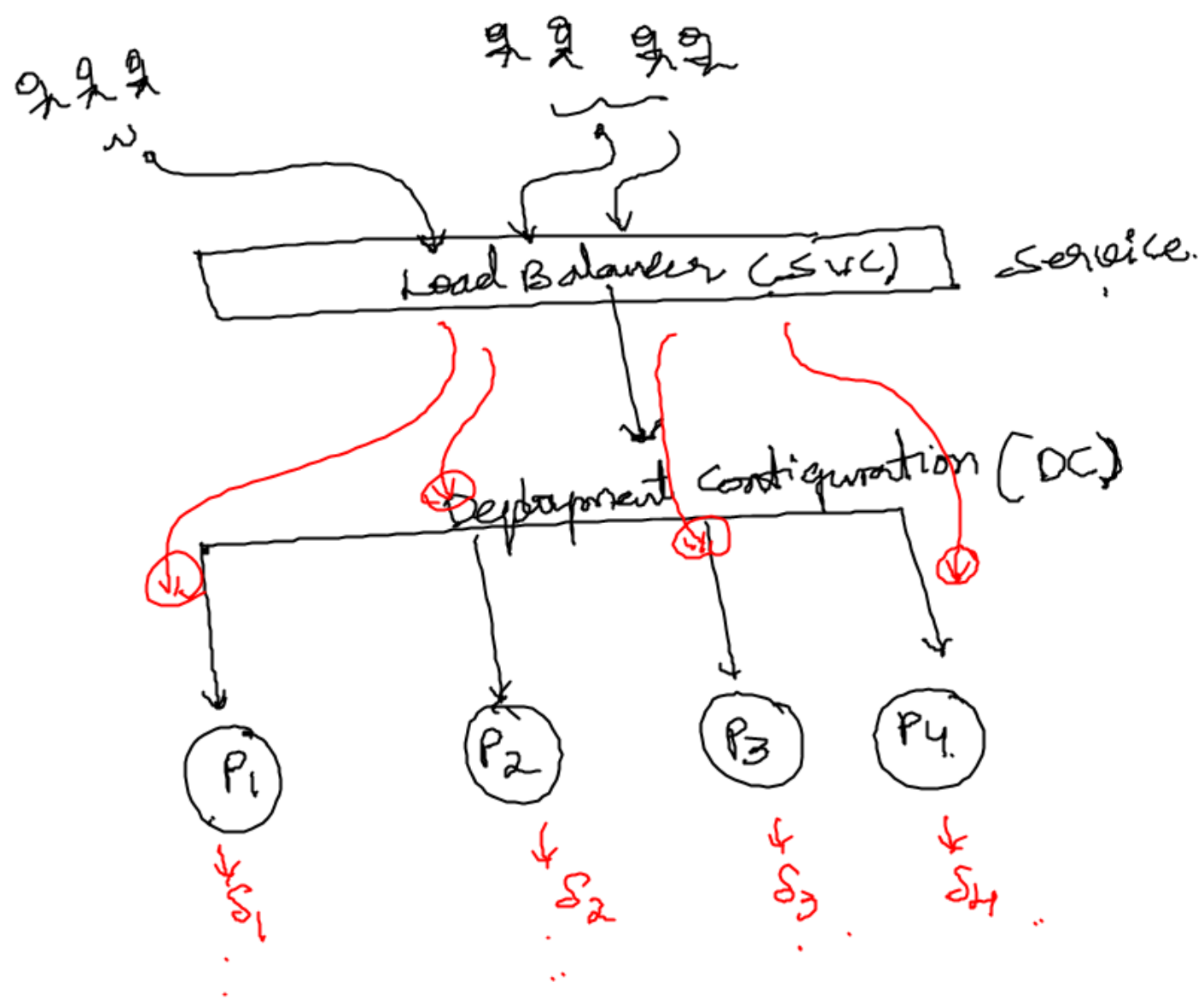






replicas : 3 5 7
 image : nginx
 cpu : 100 m
 mem : 100 m

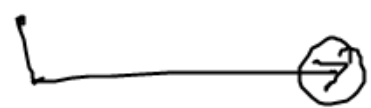




Namespace -dev, -sit, -val, -pt, -prod

9/17

App'n



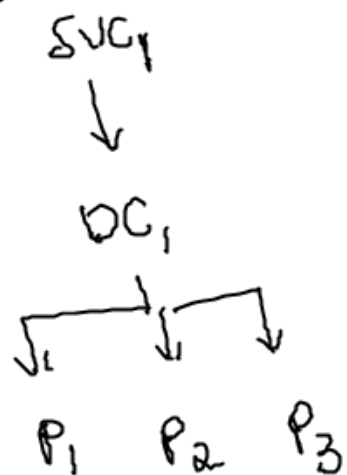
3 frontend microservice
& backend microservice

1 microservice → DC, SVC, x4z0 ... →
↓
5 * DC, 5 * SVC, 5 * x4z0

Internet Banking
Namespace (app1)

10/17

1st microservice

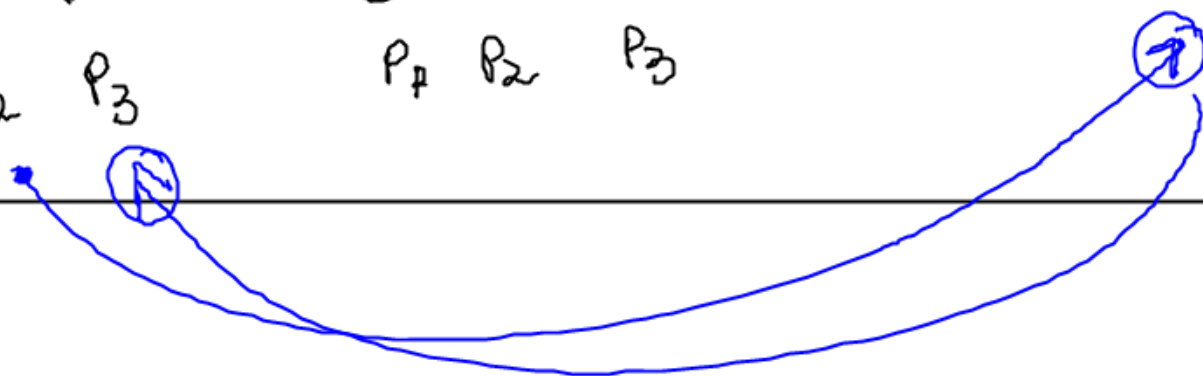


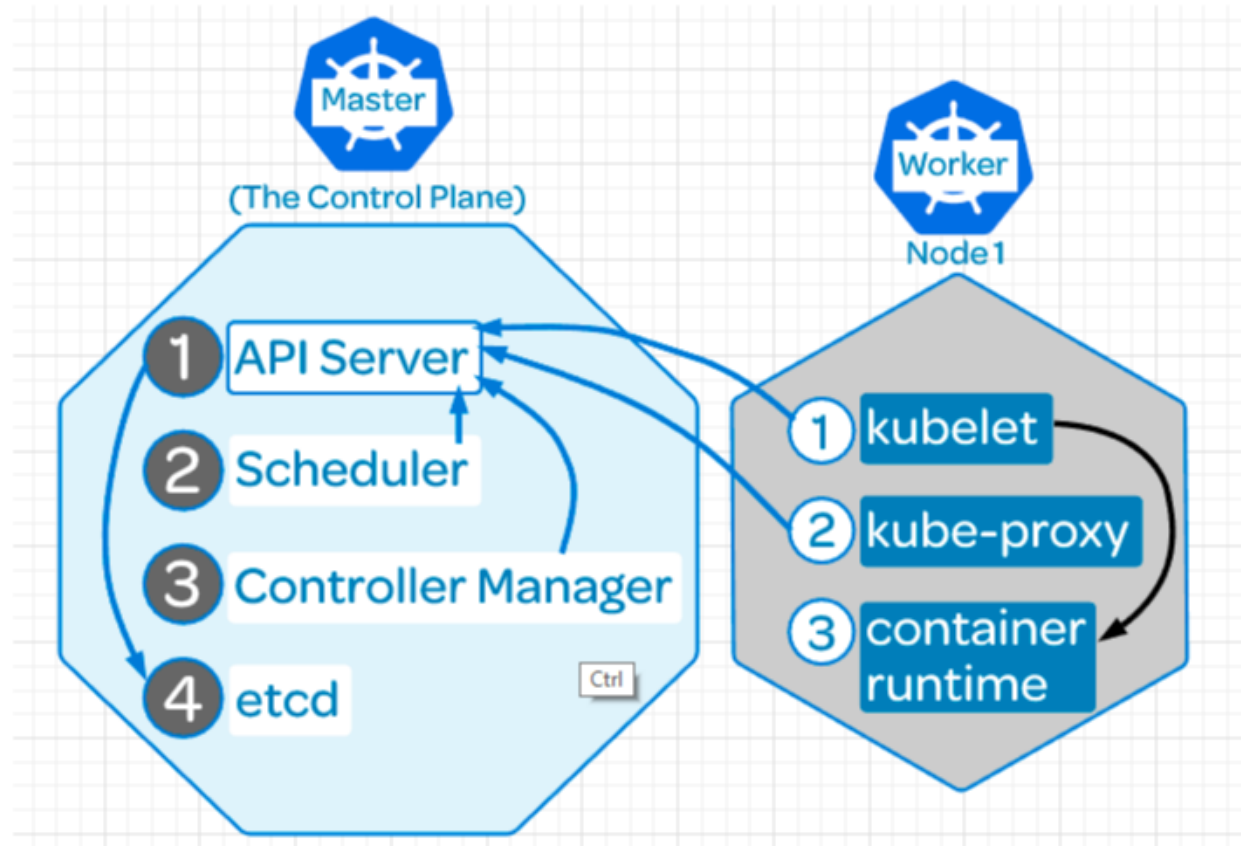
2nd microservice

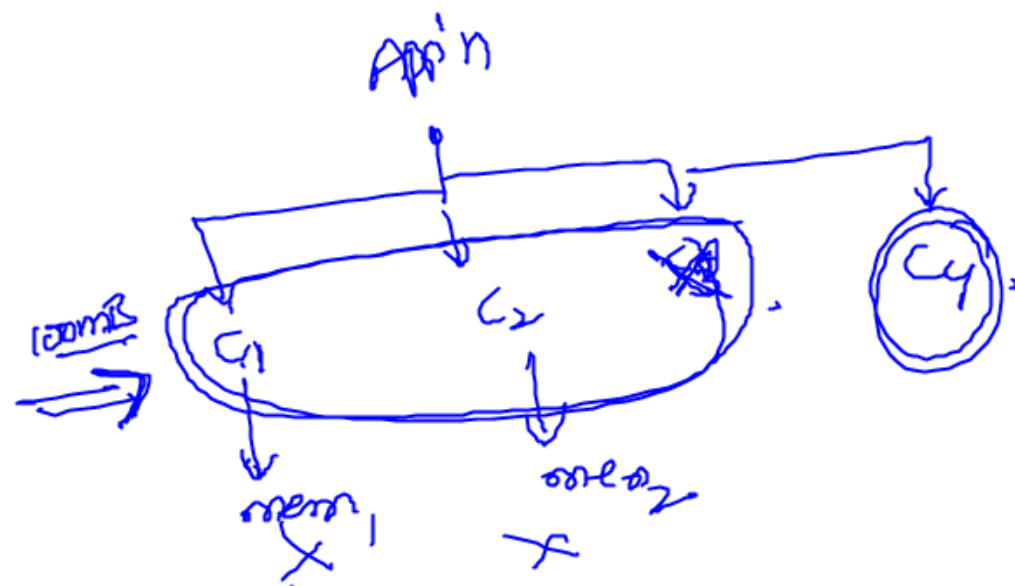
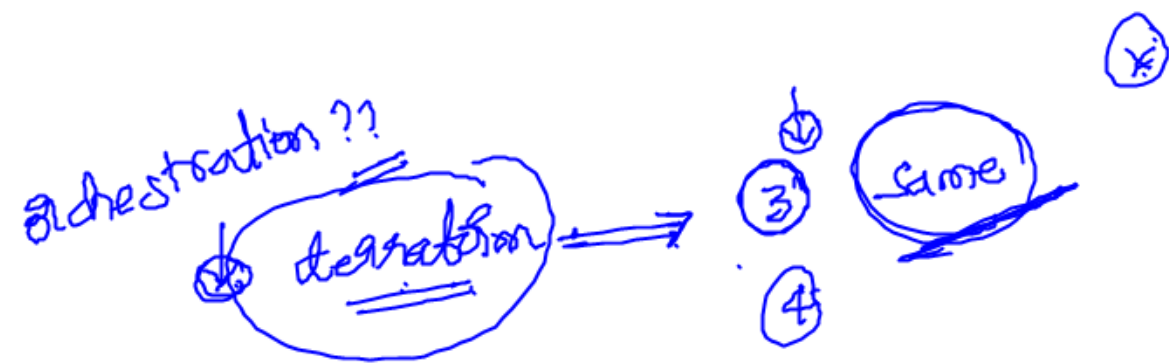


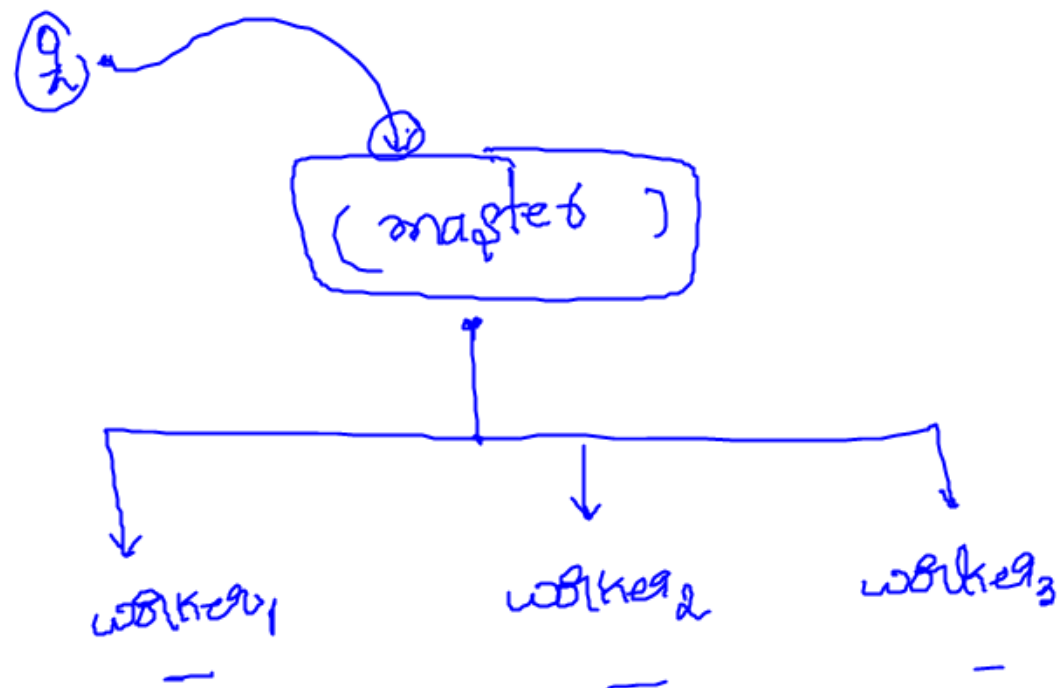
...

5th microservice

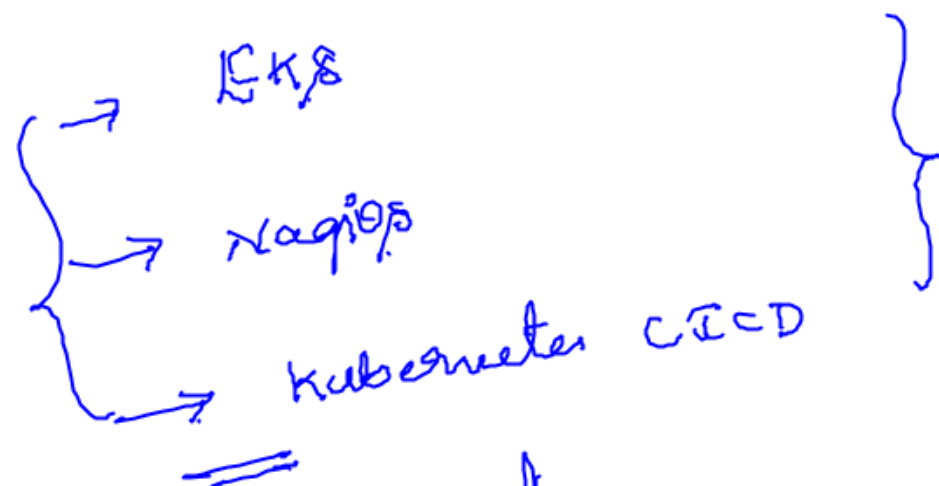








k8s → last subject



(k8s)

100 microsequences * 5 pods = 500 pods

25,000

