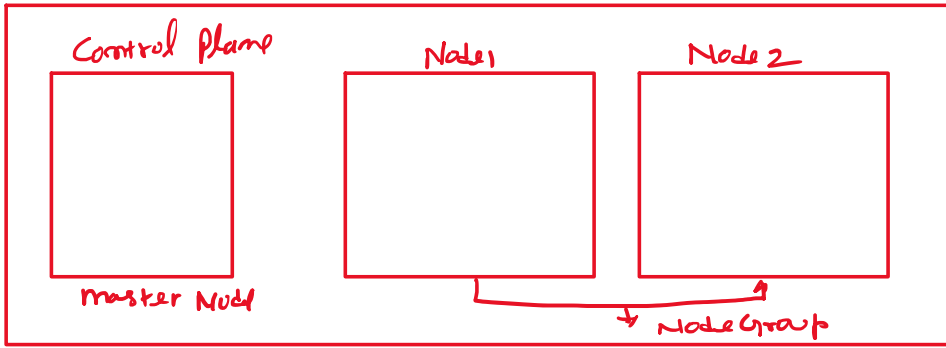


mimikube
deshner-desktop

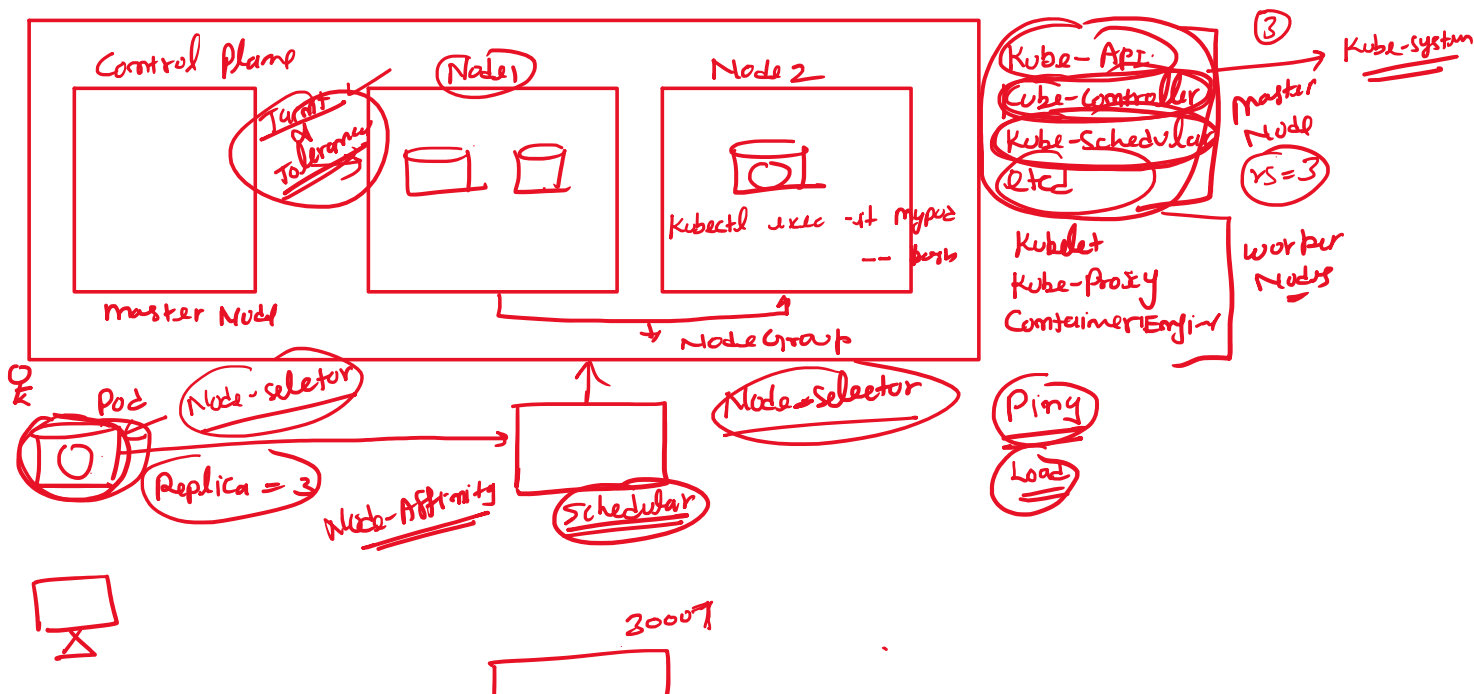
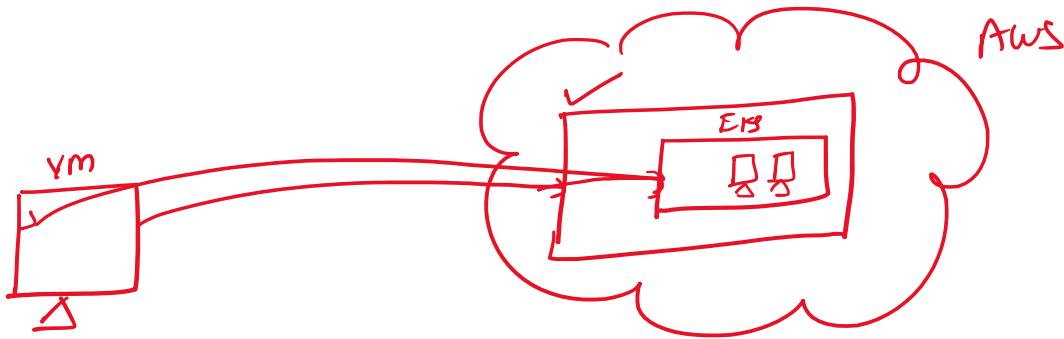
EKS Cluster

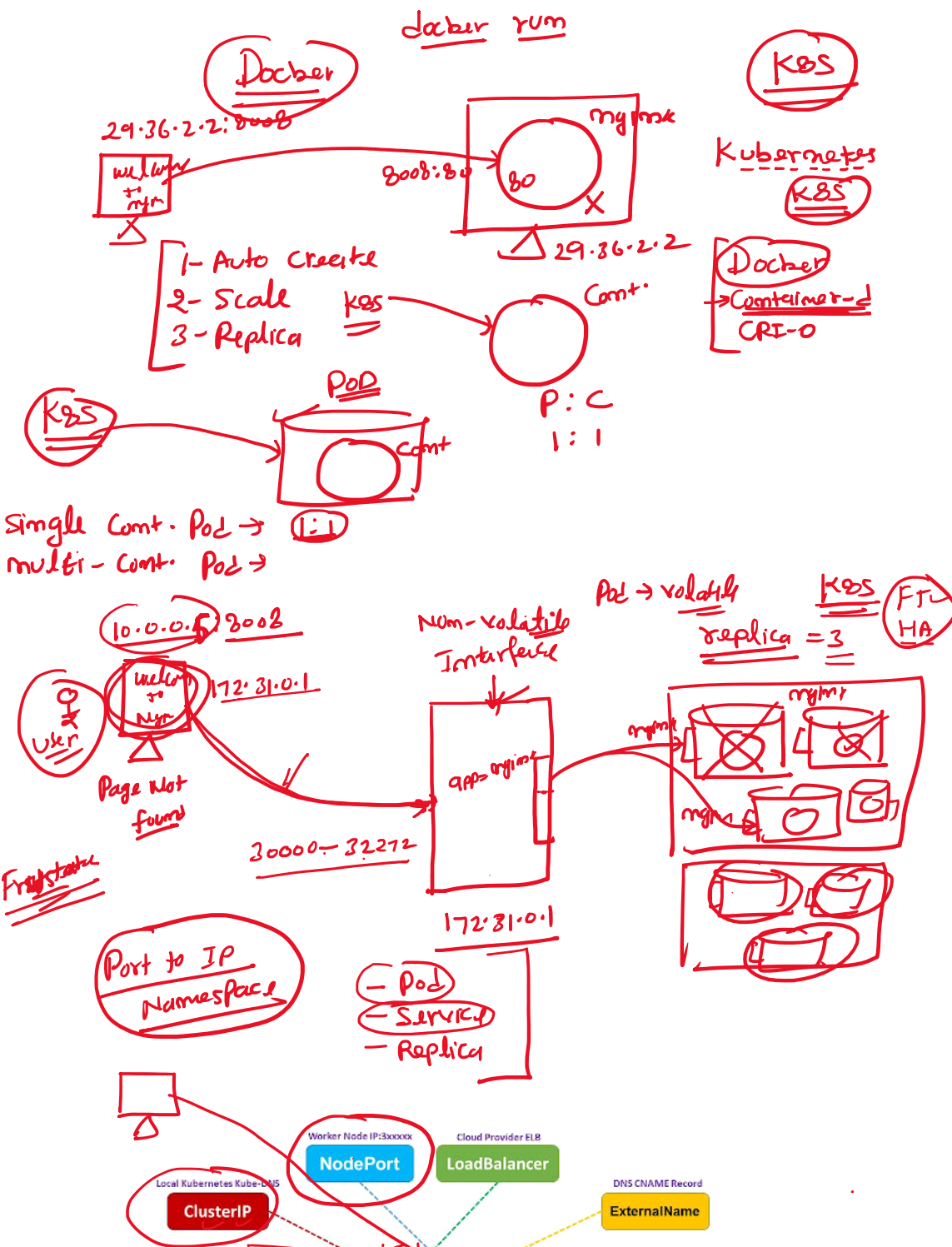
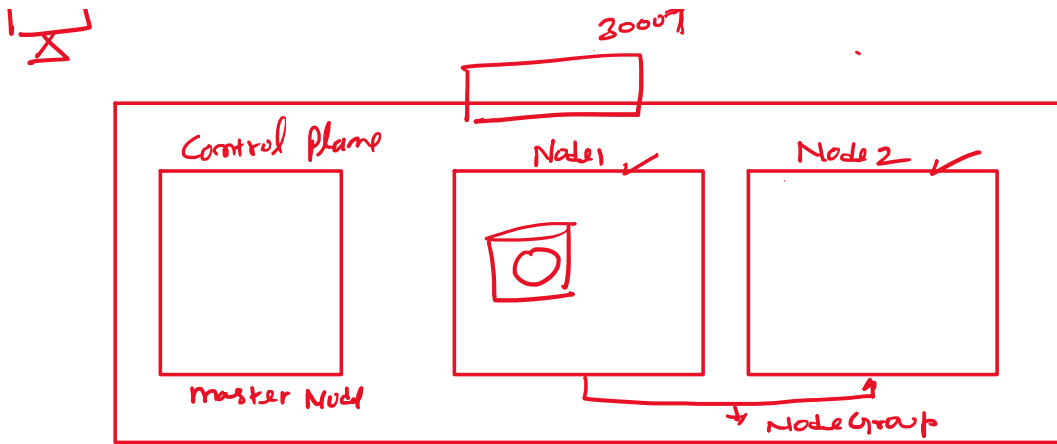


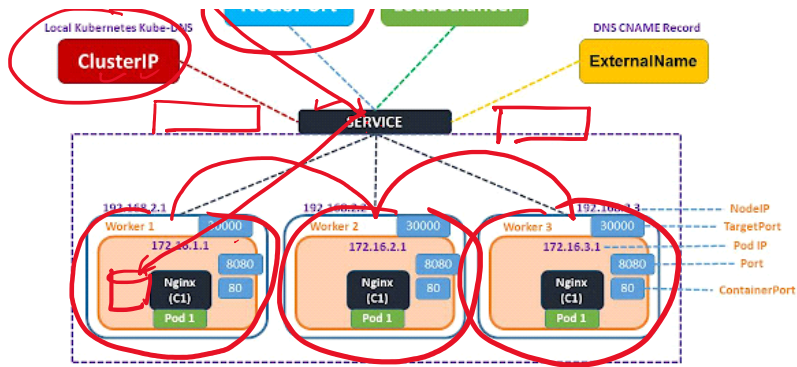
→ AWS CLI
→ Kubectl

IAM Roles
VPC
Subnet
IG
RT
EKS
Nodegroup

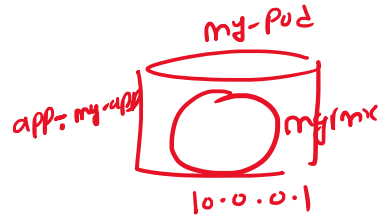
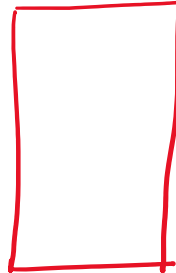
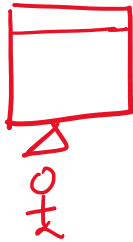
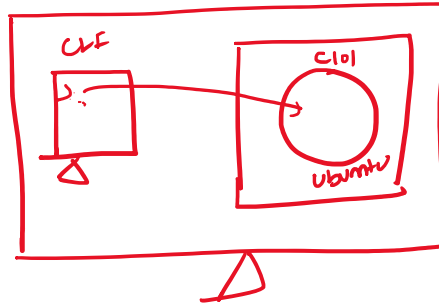
(17)



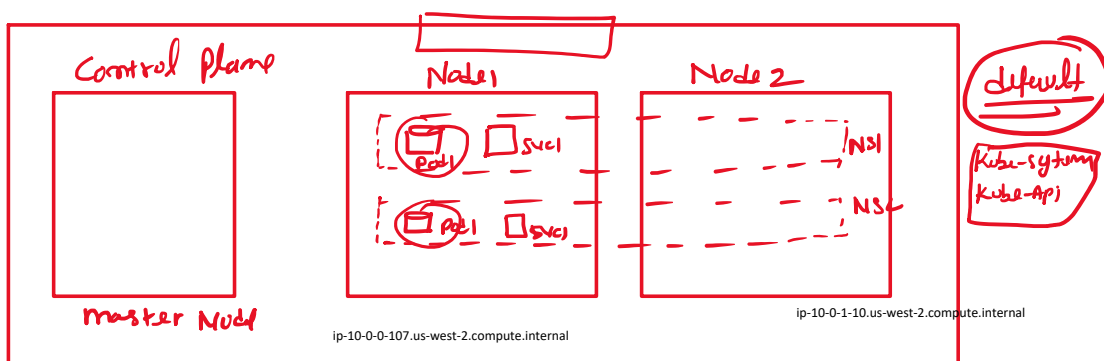




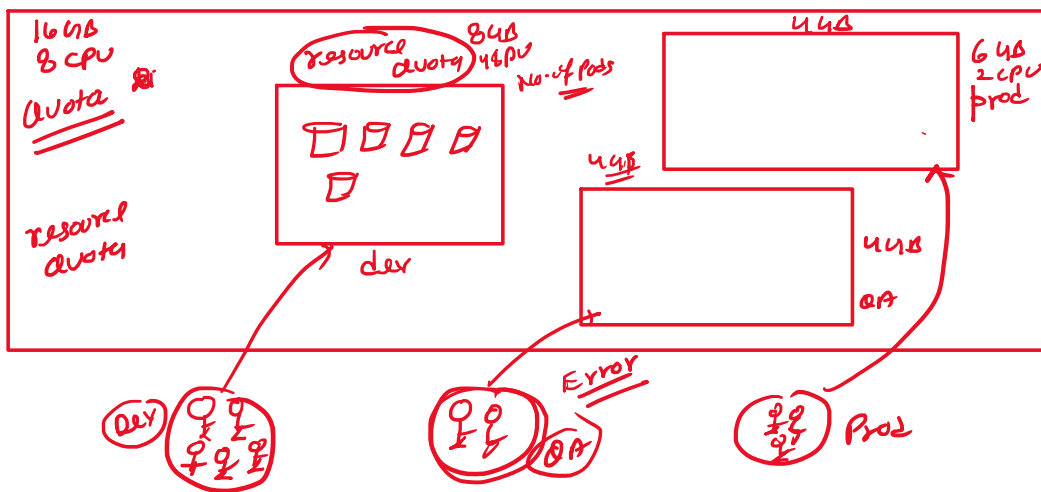
`docker exec -it c101 /bin/bash`



Namespace

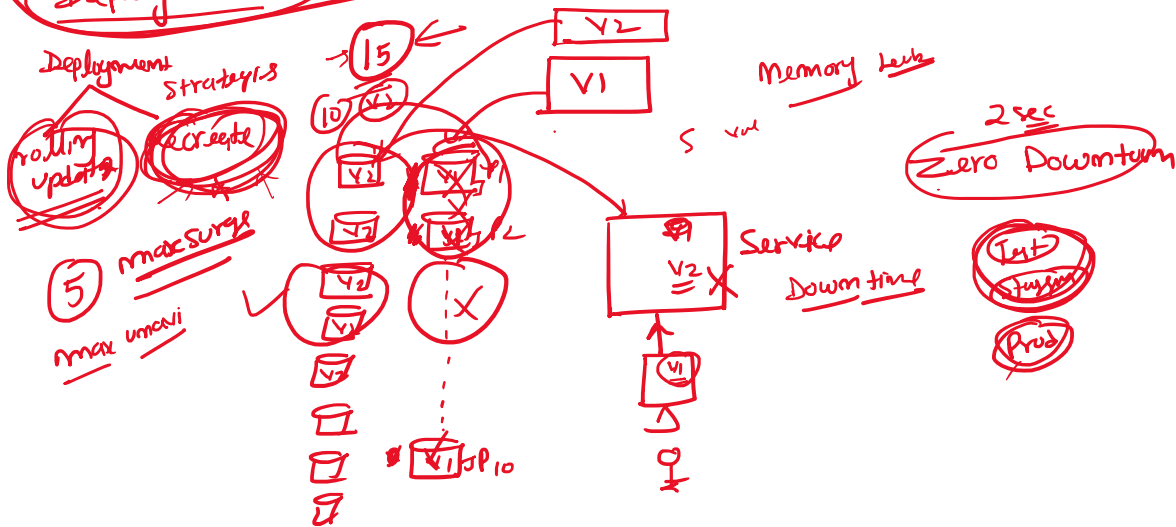


Pod 1



- 1) Three Node Fk3 cluster
- 2) Pod
- 3) Service
- 4) Replicaset
- 5) Namespace
- 6) Resource Quota

Deployment



```
C:\DAY-1-DEMO>kubectl get all
```

NAME	READY	STATUS	RESTARTS	AGE
pod/nginx-deployment-rolling-59c4b47d55-4kzs3	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-5zphd	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-gxk3x	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-hgzqk	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-ldkfj	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-sshtf	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-xmmt9	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-59c4b47d55-z2vt2	1/1	Running	0	5m14s
pod/nginx-deployment-rolling-7987b67cd4-2wq59	1/1	Running	0	3s
pod/nginx-deployment-rolling-7987b67cd4-6g4rk	1/1	Running	0	3s
pod/nginx-deployment-rolling-7987b67cd4-c55h7	1/1	Running	0	3s
pod/nginx-deployment-rolling-7987b67cd4-fcf51	1/1	Running	0	3s
pod/nginx-deployment-rolling-7987b67cd4-jcfhq	1/1	Running	0	3s
pod/nginx-deployment-rolling-7987b67cd4-kcp48	1/1	Running	0	3s
pod/nginx-deployment-rolling-7987b67cd4-tw9gx	1/1	Running	0	3s

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/nginx-deployment-rolling-59c4b47d55	8	8	8	5m14s
replicaset.apps/nginx-deployment-rolling-7987b67cd4	7	7	7	3s

Day-2 (Agenda)

1- Volume < Entity Dir
Unit Path

Day-2 (Kubernetes)

- 1- Volume
 - ↳ Empty Dir
 - ↳ Host Path
- 2- Node Selector
- Node Affinity
- 3- Taint Tolerance
- 4- HPA
- 5- RBAC

Operator

Custom Resources

HELM