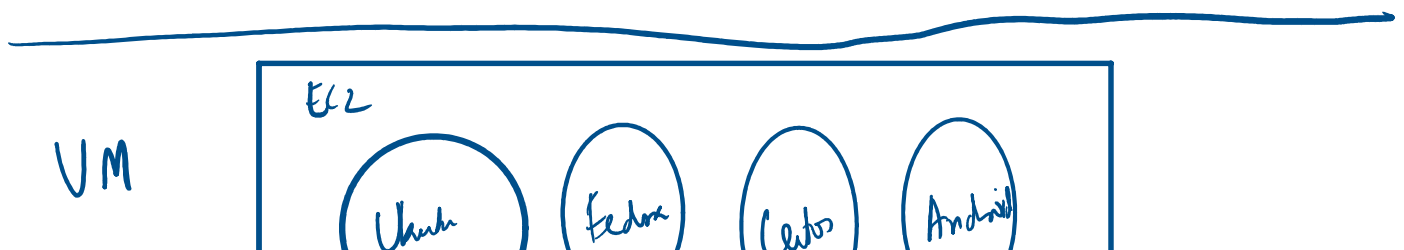
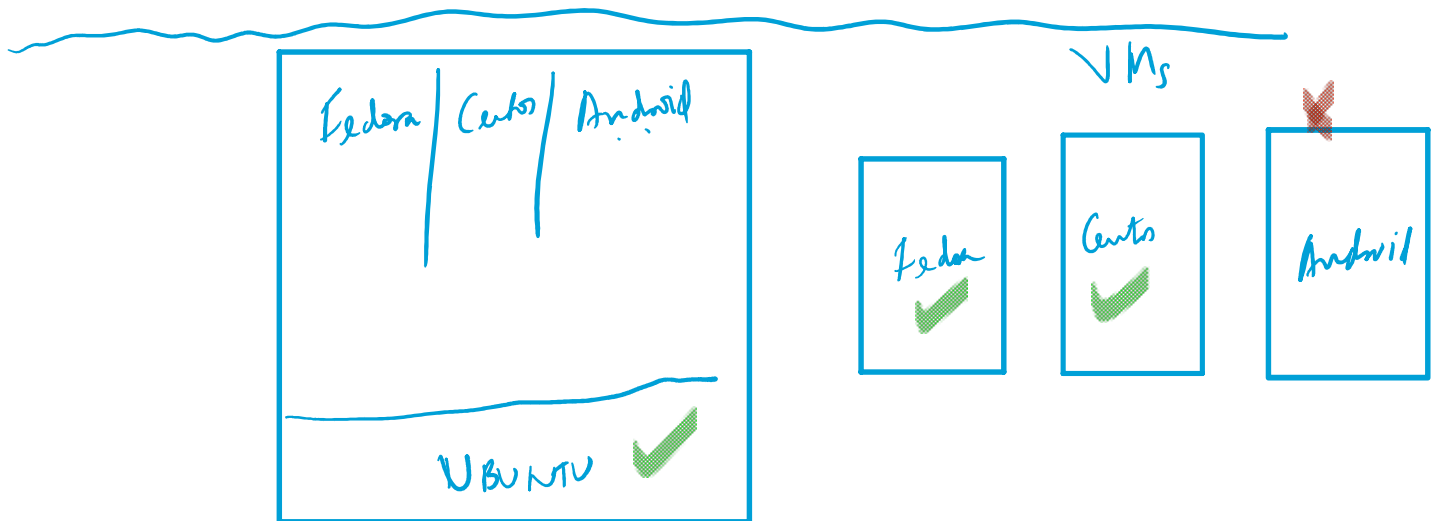
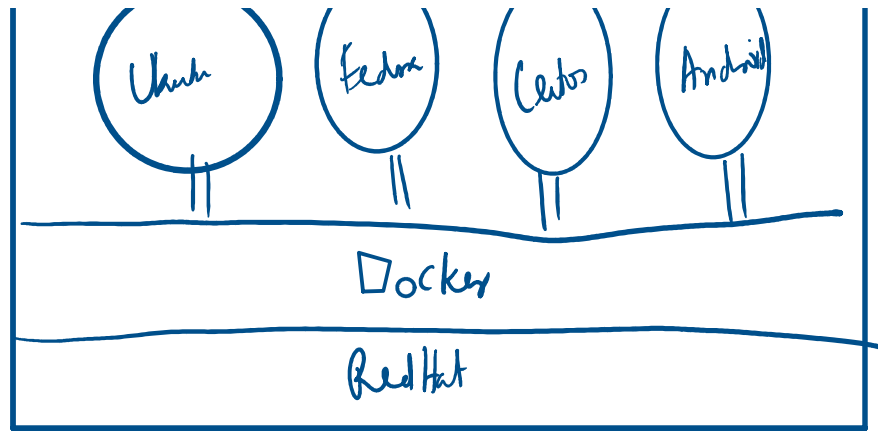


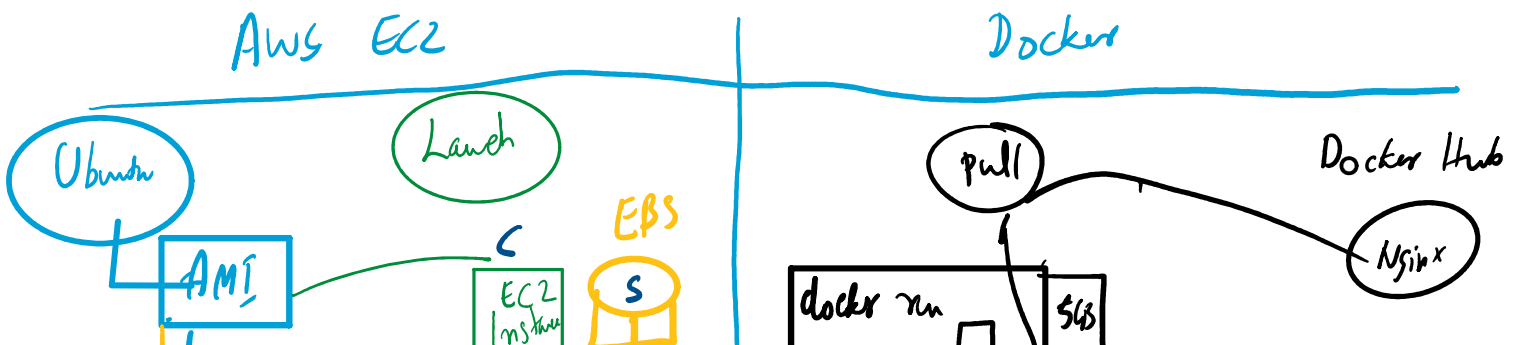
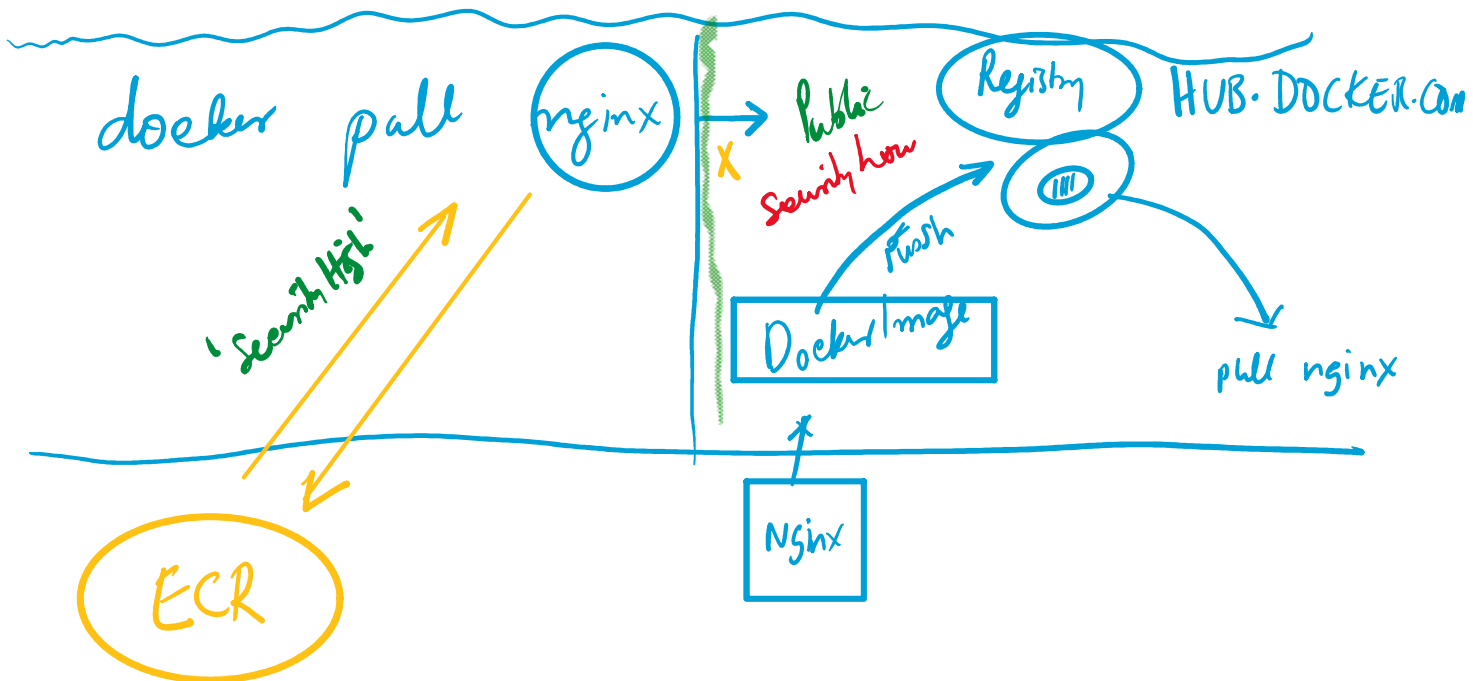
AA-Schuf

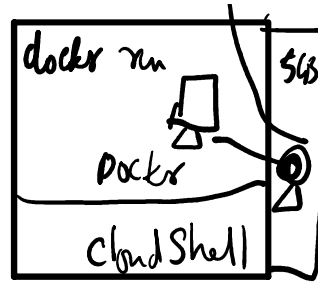
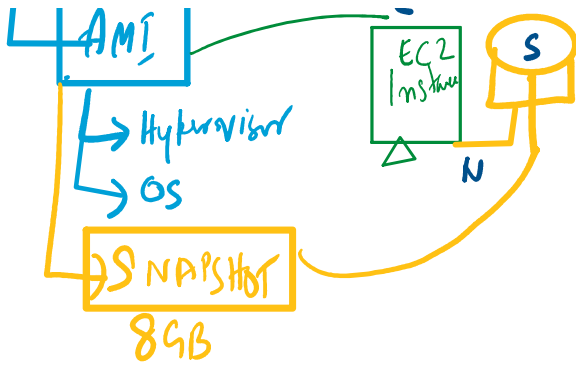


VM

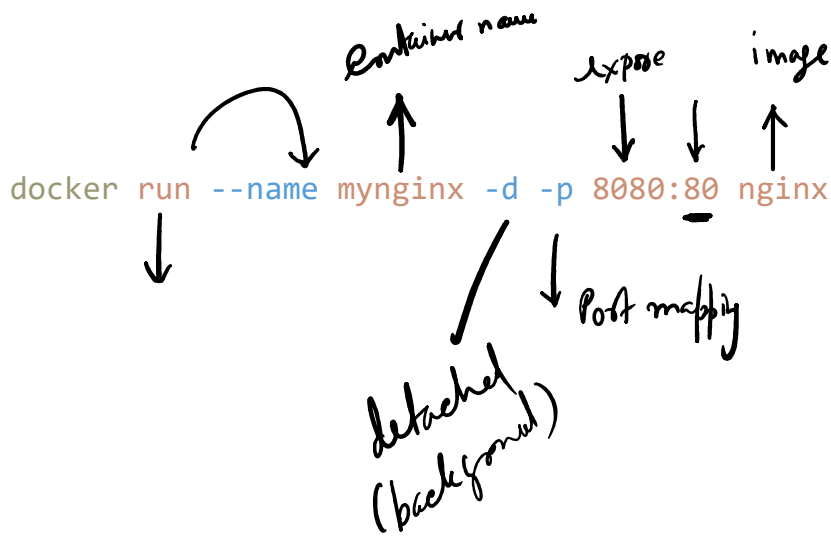


All users have Admin access!
Full access / Limited Resources — '4'

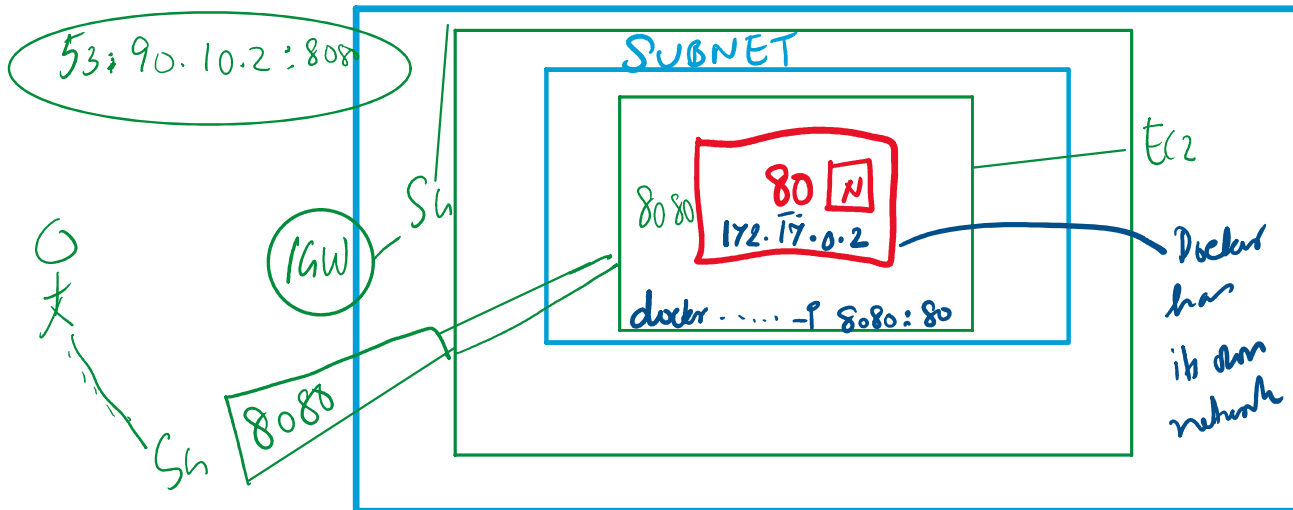




nginx

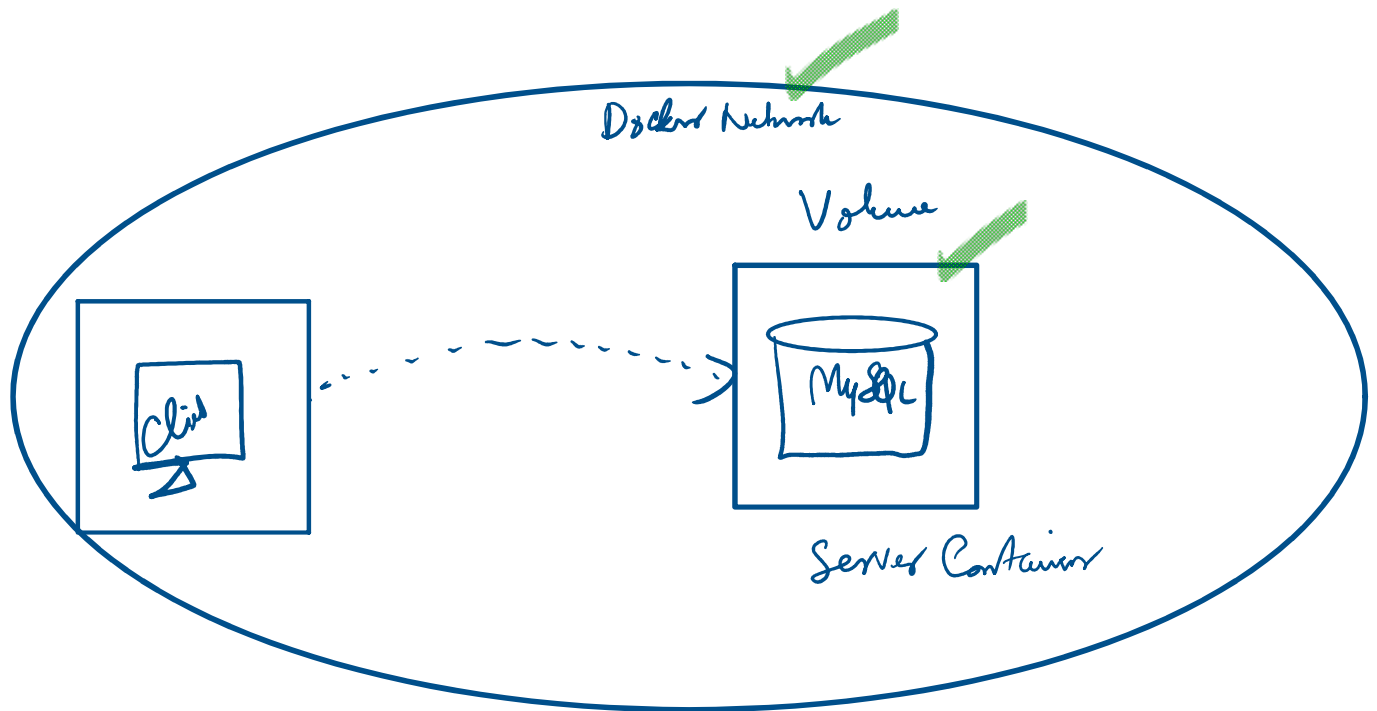


VPC 172.31.0.0/16 - CIDR



Class A	
B	
C	
D	
E	

classes



```
docker run --name mysql-server \
  --network mysql-net \
  -e MYSQL_ROOT_PASSWORD=rootpass \
  -v mysql-data:/var/lib/mysql \
  -d mysql:8.0
```

- ① Netzwerk
- ② MySQL 8.0.
- ③ Volume / directory
- ④ Environment Variable

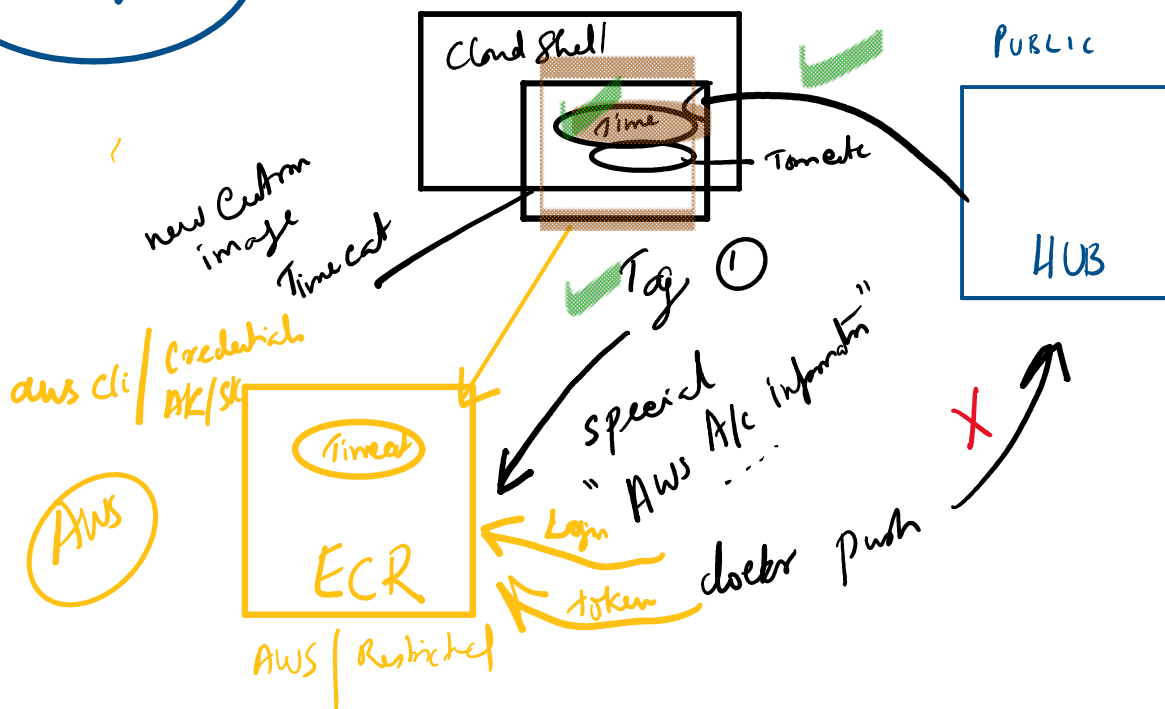
HUB → mysql-server

```
docker exec -it mysql-server mysql -uroot -prootpass
```

i - interactive
t - tty

```
docker run -it --rm \
  --network mysql-net \
  mysql:8.0 mysql -h mysql-server -ulabuser -
plabpass
```

Burymbox - Linux container → < 5MB



- ① Get new Tomcat image by pulling — tomcat
- ② Develop an JSP app — timecat
- ③ "Dockerize" your application
 - /webapps/ROOT/time.jsp
 - Dockerfile (Conts)
 - Image

Dockerfile Conts

docker shell			
time cat	webapps Dockerfile	Root	timecat.jsp



① timecat
② copy webapps

`docker run --rm -d -p 8082:8080 --name timecat-container timecat:1.0`

Docker image created

modified the docker image tag

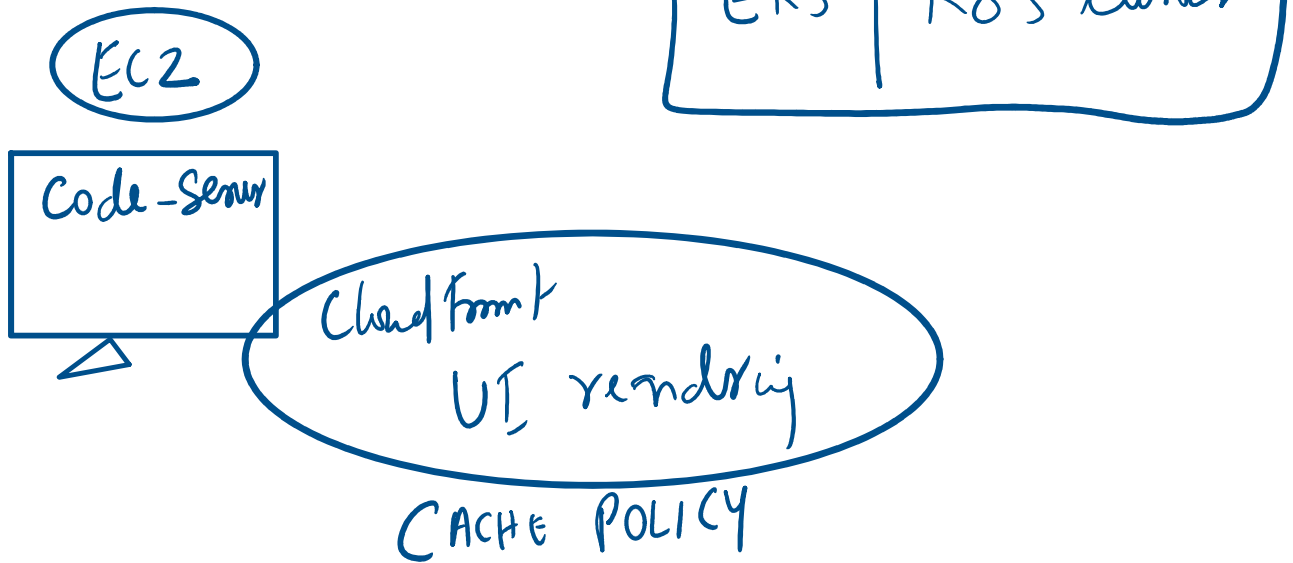
logged into AWS ECR

Pushed timecat into ECR Repo!

Done with Basic Docker

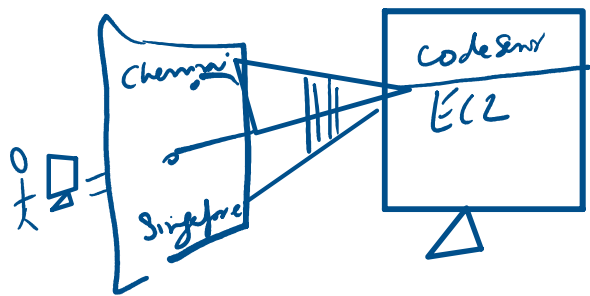
Done with Dark Woker

Welcome EKS / K8S

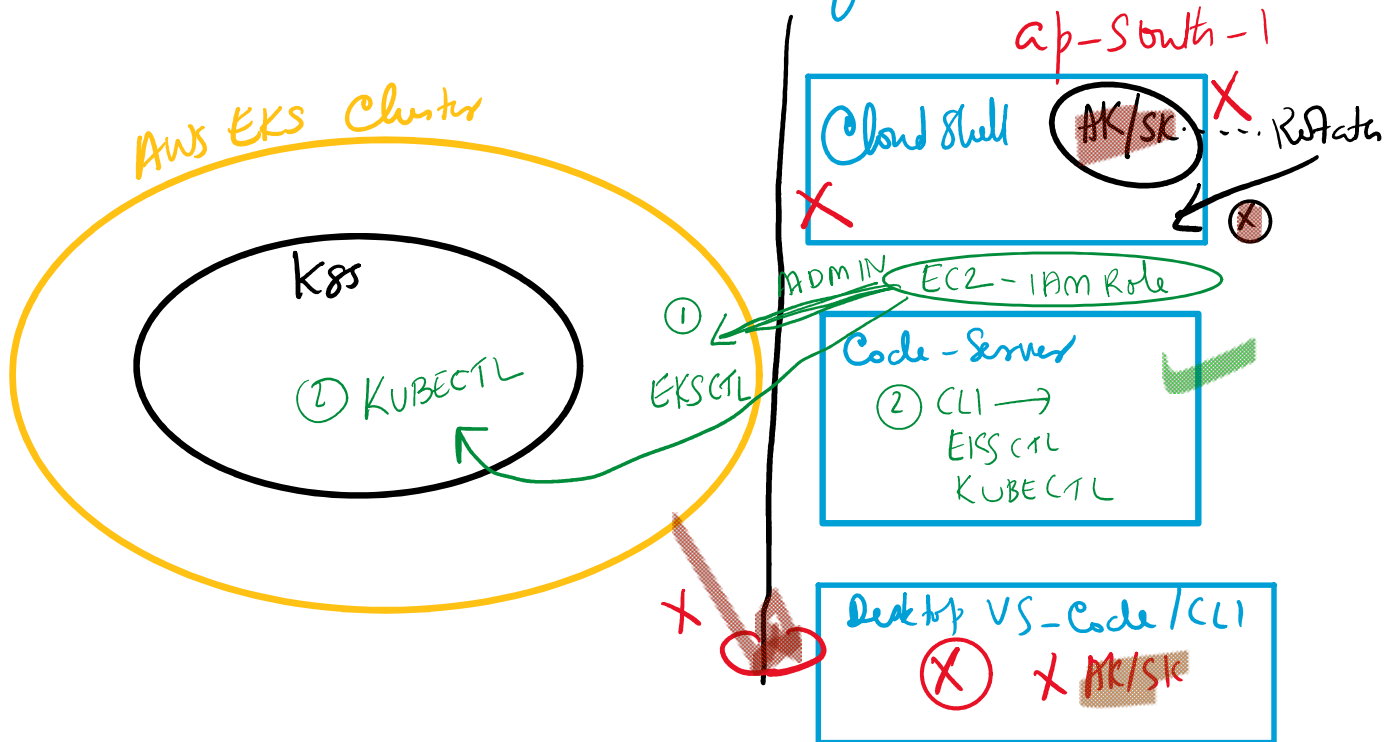


script — stop EC2

Restart-IDE



Env variables = My ID ~ ~~Ep33~~ Ep51
 = AWS - Region = ~~us-east-1~~

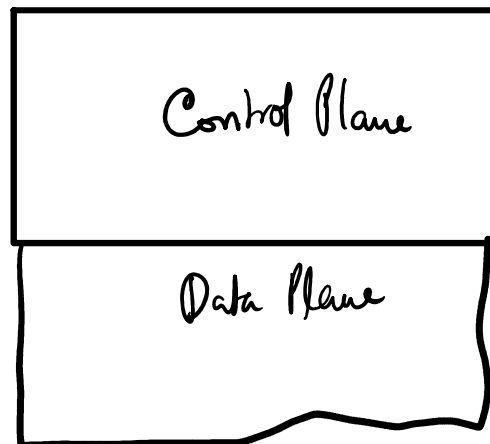
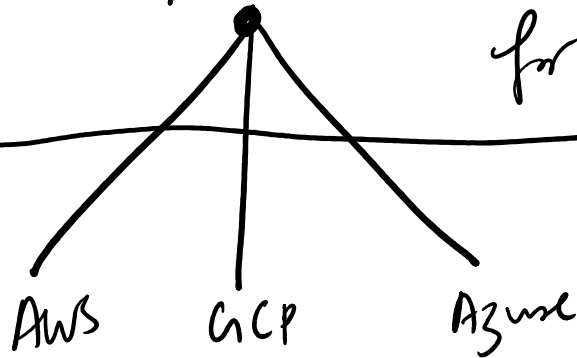


AWS → IAM / Identity Center / AD |
 K8S → Credentials

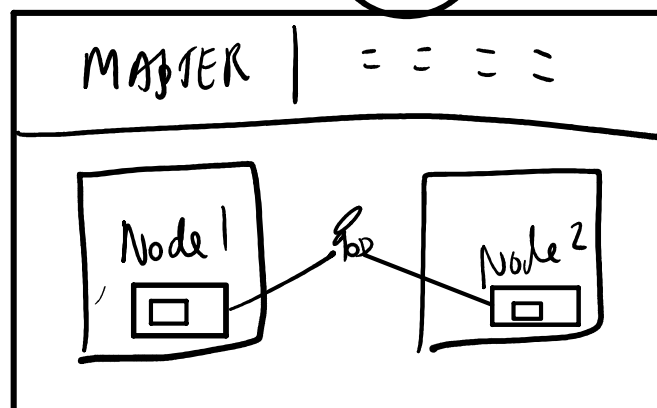
EKS → eksctl → AWS + 3rd Party
 kubectl → AWS = customized

EKS → EKS on AWS
K8S → kubectl → AWS = customized

Kubernetes → Orchestration Platform
for Containers



API



Network

