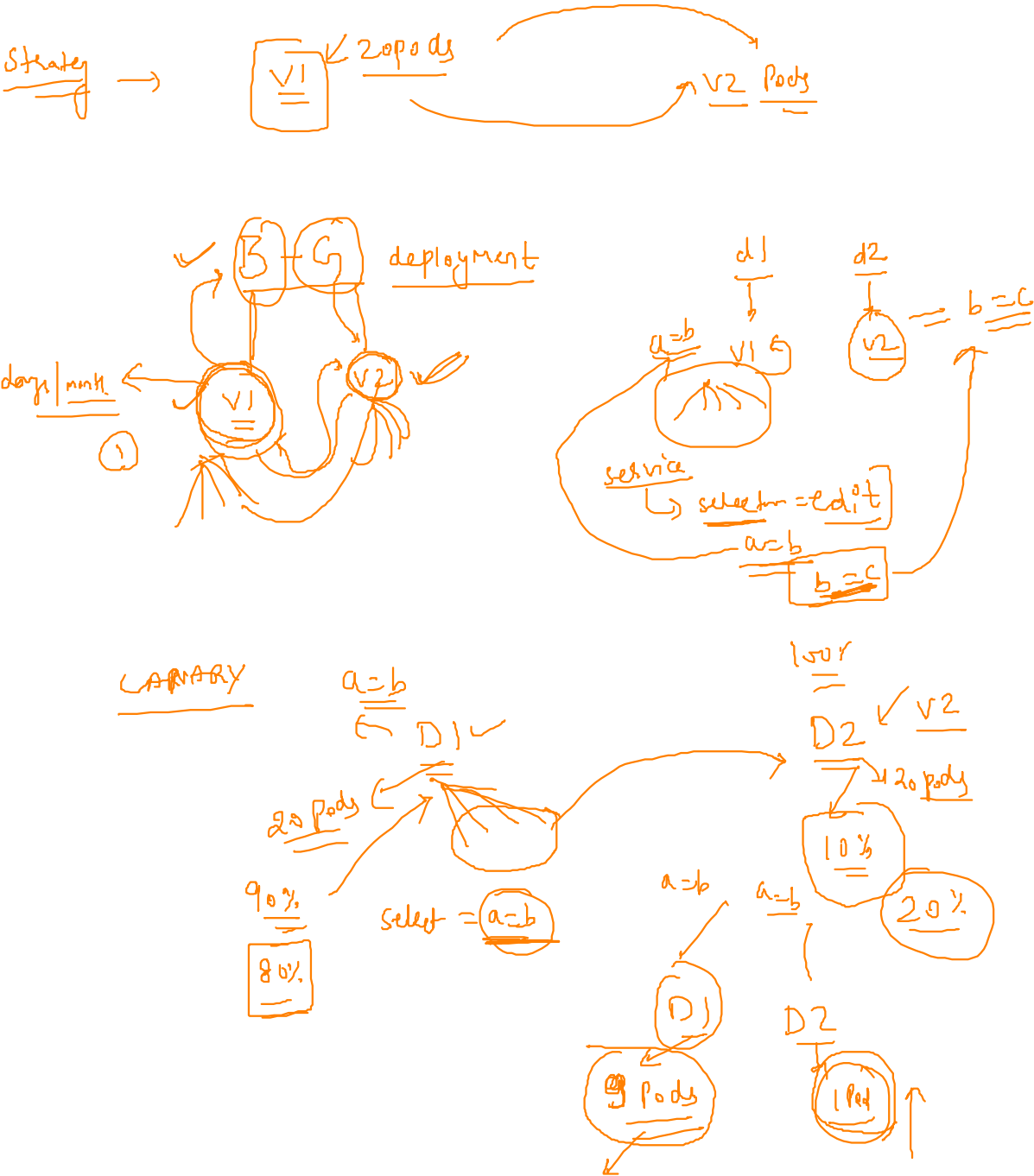


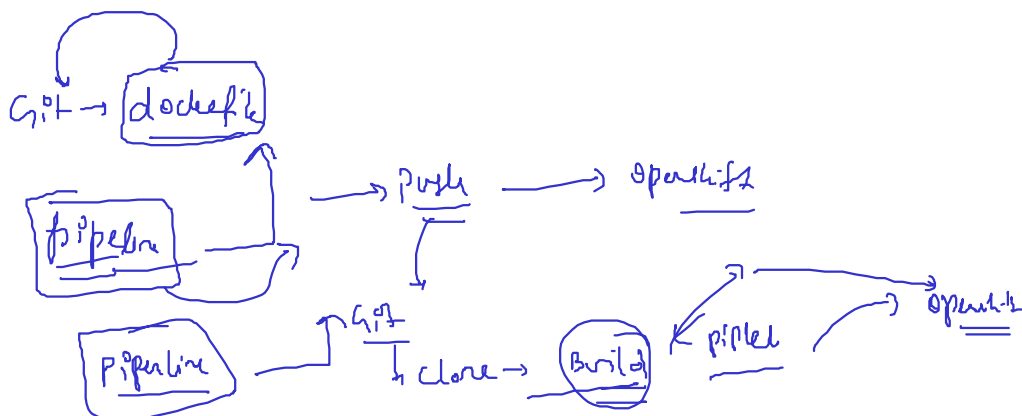
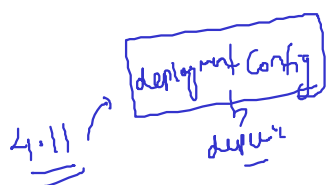
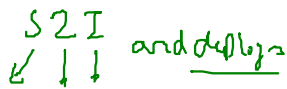
Recap Day 2 :-

- 1. Strategy
  - a. RollingUpdate
  - b. Recreate
  - c. RollBack
- 2. Secret And Configmap
  - Types Of Secret
    - a. Generic
    - b. tls
    - c. Docker-registry
- 3. Managing Resources
  - a. Resources Quota
  - b. Limit ranges
  - c. Deployment Level Limits for resources
- 4. Scaling
  - a. Manual Scaling
  - b. Automatic Scaling --
    - Resources Name for Automatic Scaling >>> HPA
    - Horizontal Pod Autoscaling / Autoscaler

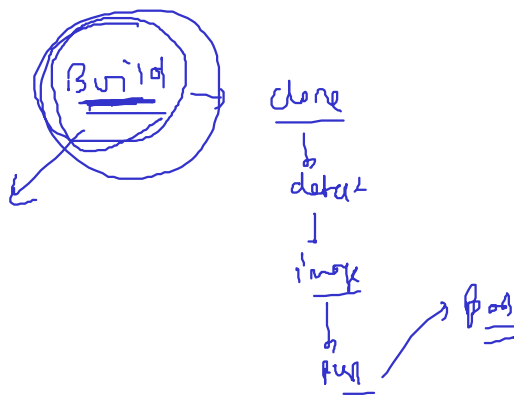
- Agenda Day 3 :-
- 1. S2I - Source To Image
    - a. Build
    - b. Build Config
  - 2. Storage In Openshift
    - a. PV
    - b. PVC
    - c. SC
  - 3. Health Checks
    - a. Readiness Probe
    - b. Liveness Probe
  - 4. Authentication and Authorization



kubernetes → docker image

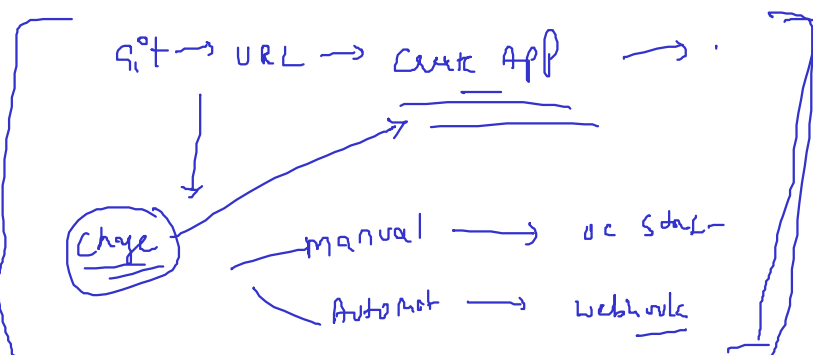


GitHub  
URL → deploy

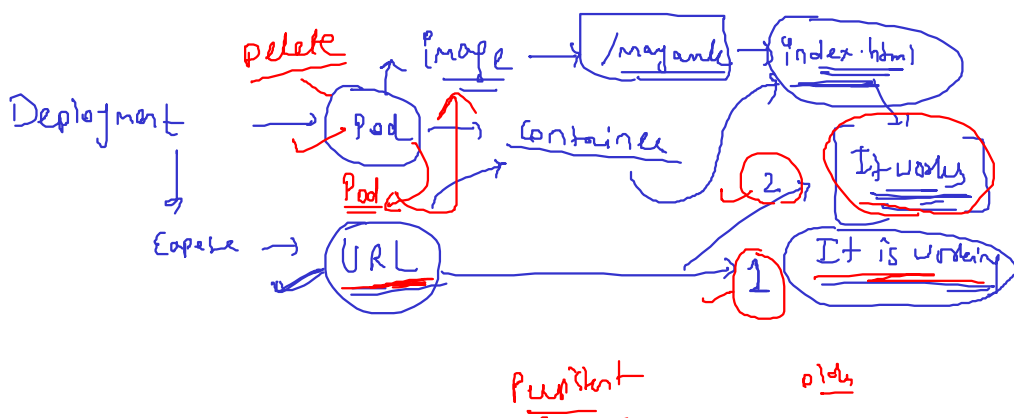


Container is in creating stage in that time --- sky blue  
running ---- normal blue

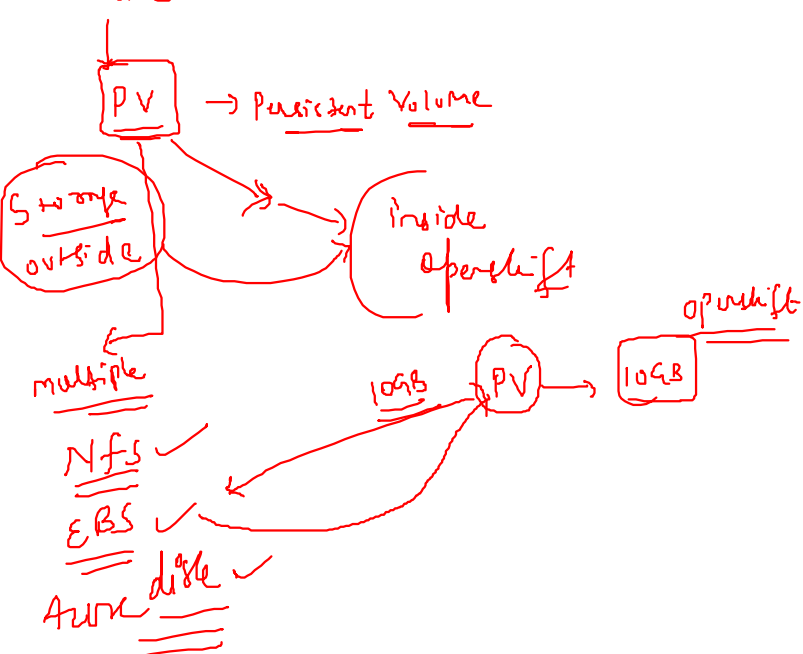
Terminate any container ---- DAARK BLUE



Storage →

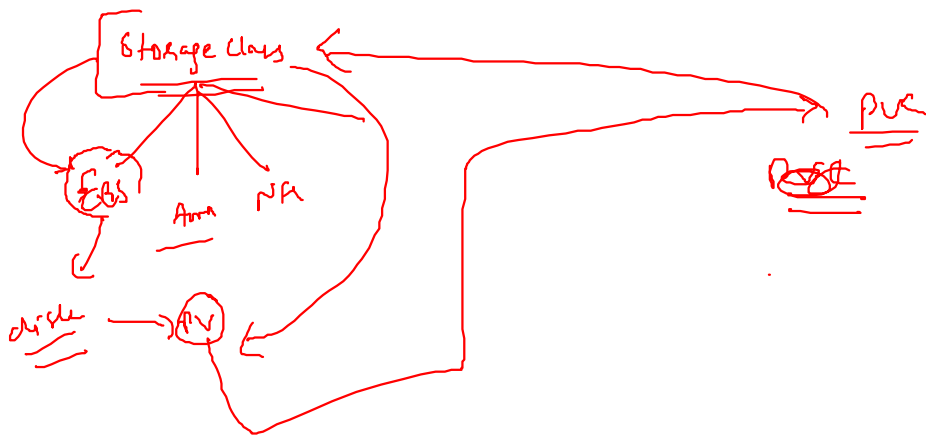


Resource

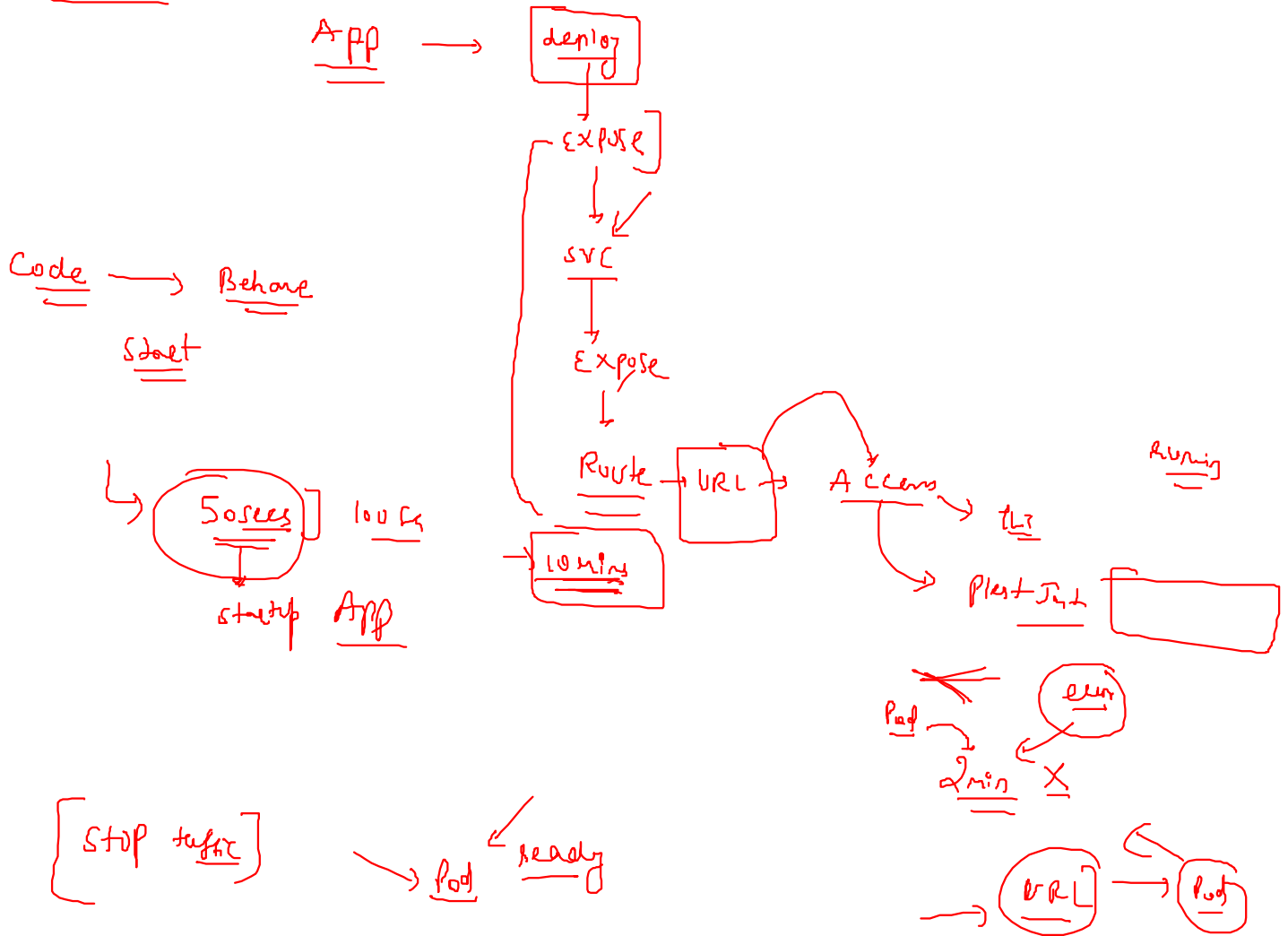


Deployment



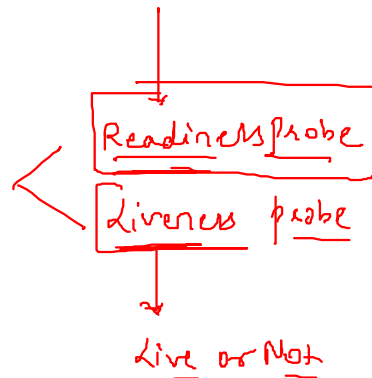


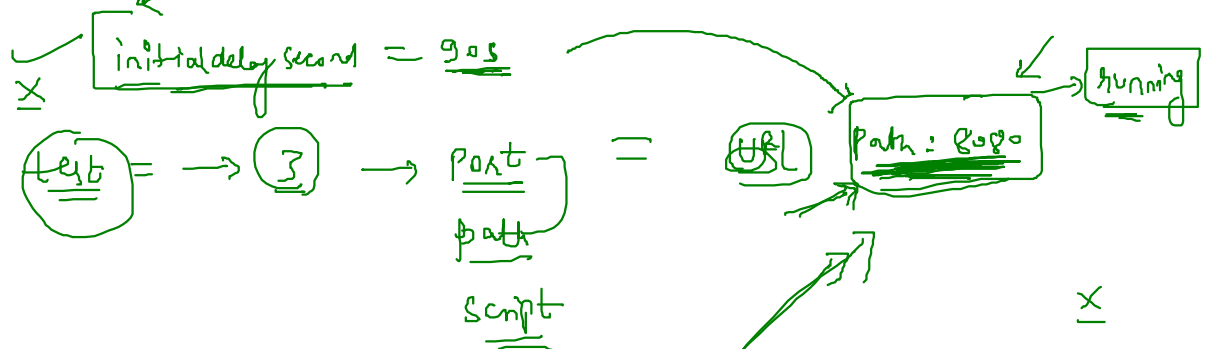
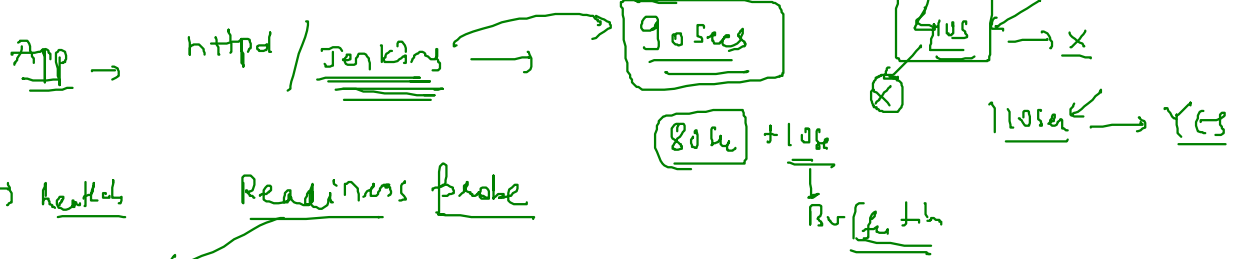
## Health checks



App → Health

Health checks





timeout second = 10

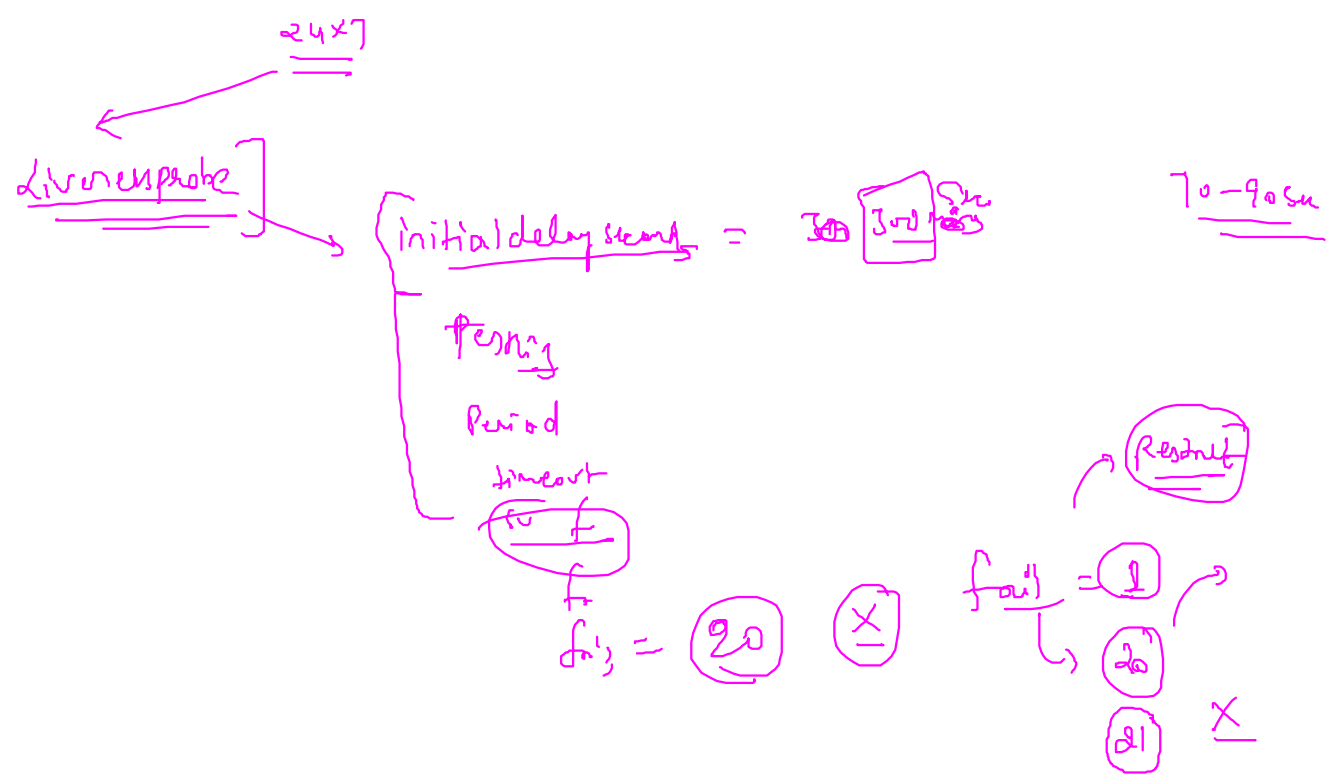
period seconds = 10

failure threshold = 10

Success threshold = 11  
3

App failed

Read



Ops shift  
↓  
login

Authn  
Authz

US/pas

login → What you can do

Google auth

GitHub

file →

US/pas

user1  
user20

admin1

kubeadmin ← temp

user → Admin

1 → Authentication ← config

① file → US/pas  
↓  
store data

Secret → Any name

ops shift - Config

Ops shift - Authentication

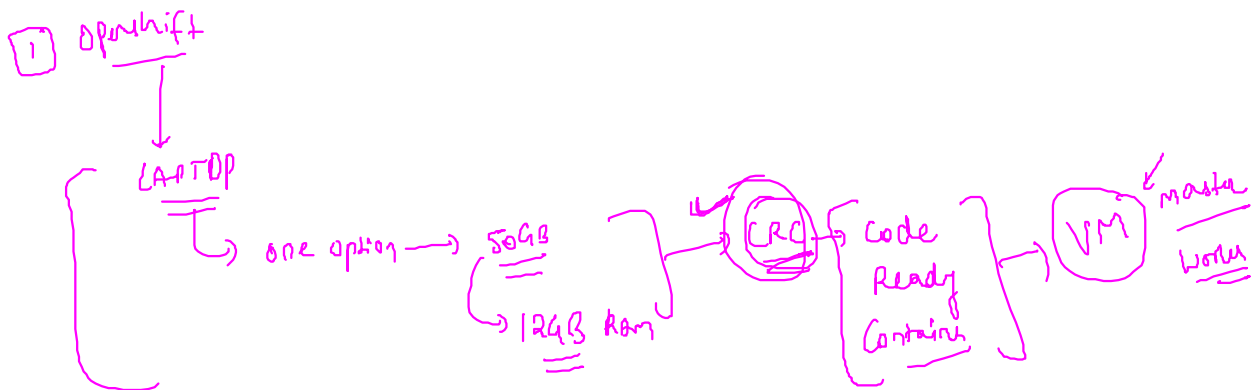
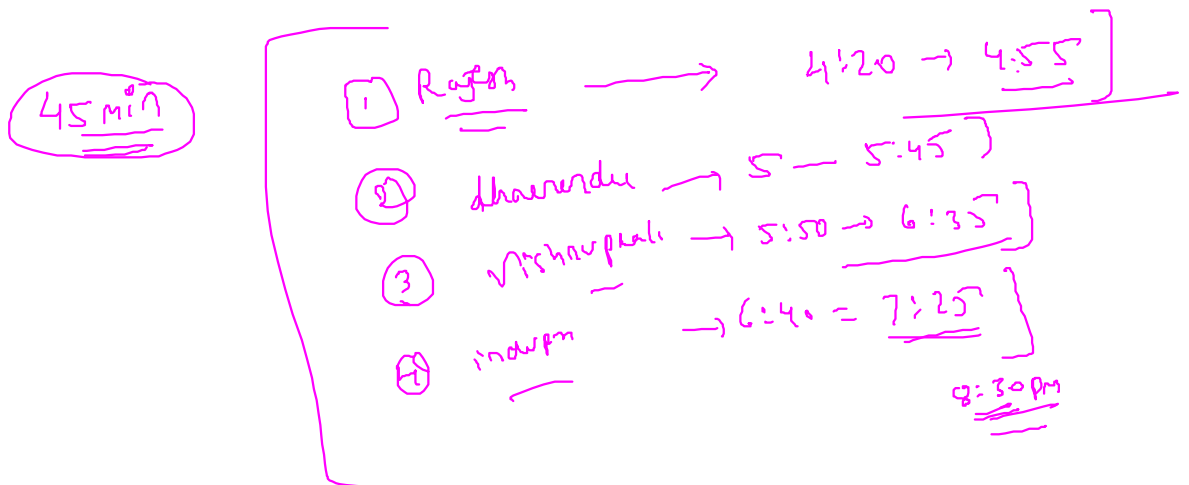
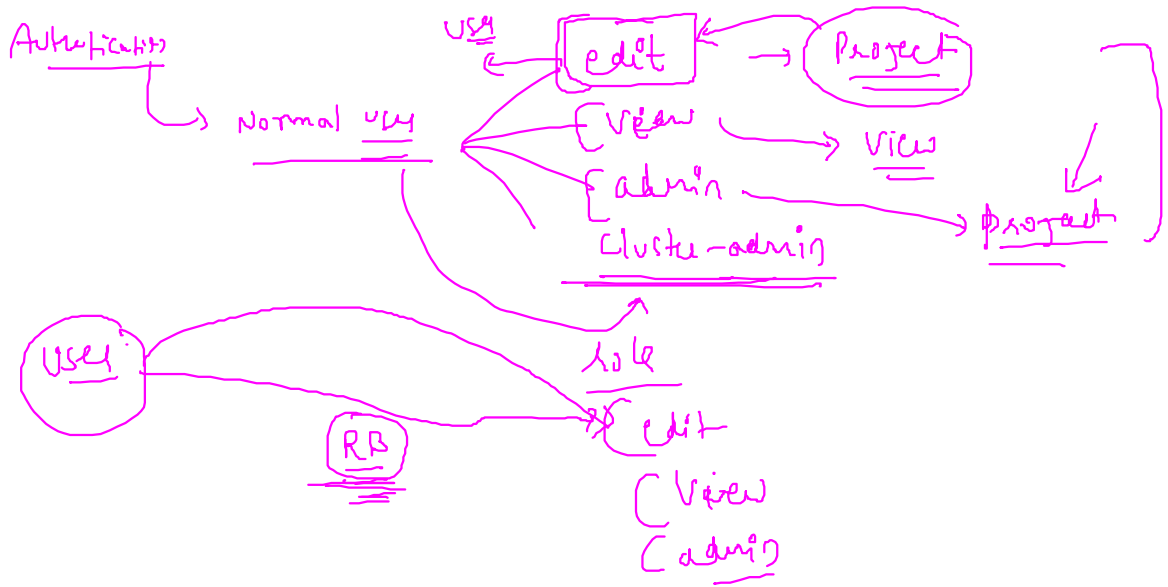
secret → file → US/pas  
↓  
authn  
1-2 mins ← update

[45 mins]

file → secret → authn

admin + user1 - user20

⑤ may make  
domains



2. 96GB X

96GB → 5-6 days

DNS

NLS

IP

for M/c Conf inst.

3. cloud se Perm

→ Any Any Google

costing → 80GB 5GB 2GB

Net 4

8GB → 1GB



