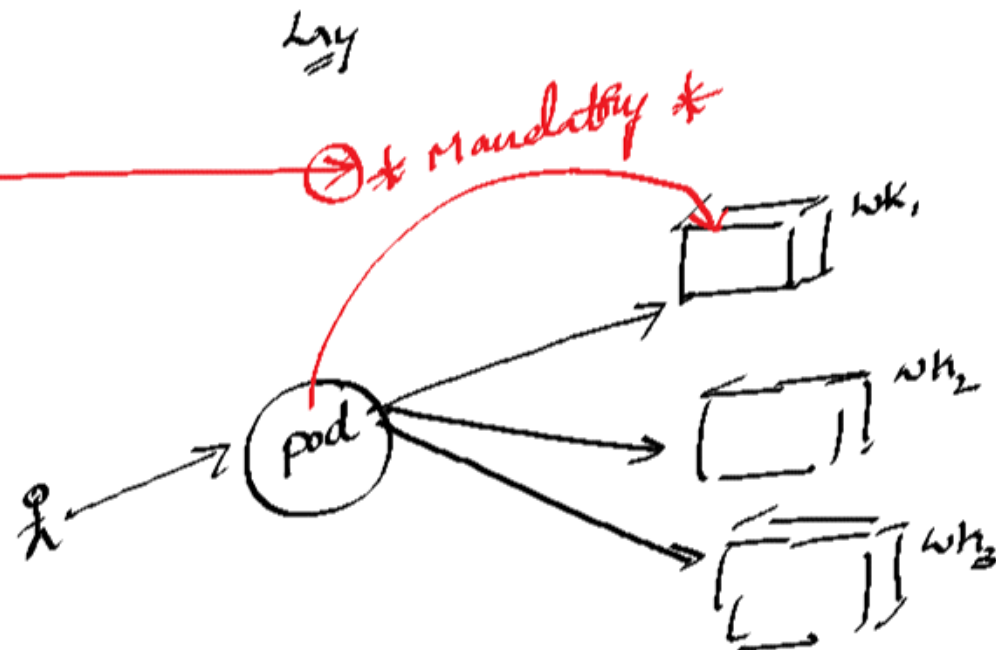


ks:-

Scheduling:-

- ① Node name
- ② Node Selector



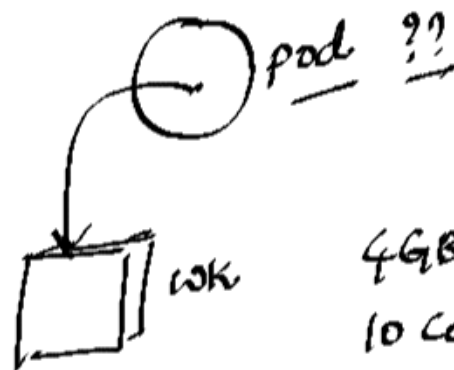
Resource Management:-

Cpu, RAM

1GB \rightarrow 1024MB

1GiB \rightarrow 1000MiB

1core Cpu \rightarrow 1000m micores Ctrl



4GB RAM
10 core Cpu

① Limits \rightarrow Max value

② requests \rightarrow Min Value
req for pod



limit 1GiB RAM
1 core Cpu

Request 100MiB
100 m micores

pod → 100Mi of RAM
100 milli cores of CPU

resources:

limits:

cpu: 1

memory: 200Mi

Ctrl

requests:

cpu: 80m

memory: 20Mi

Resources

min \rightarrow resources (requests)

max \rightarrow resources (limit)

Cpu \rightarrow cores \rightarrow 1000 Millicores
 \rightarrow 100M

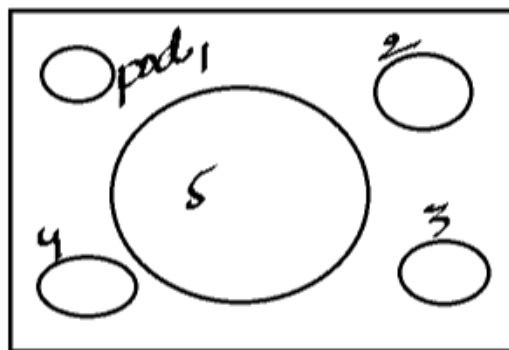
Memory \rightarrow 1 GiB \rightarrow 1000 Mi
 \rightarrow 100Mi (100MB)

Daemons ①

① * ①

↳ de
replicas

② Background process ②



P₁

wk₃

P₂/P₃

wk₁

~~P₆~~

wk₂

P₄

wk₄

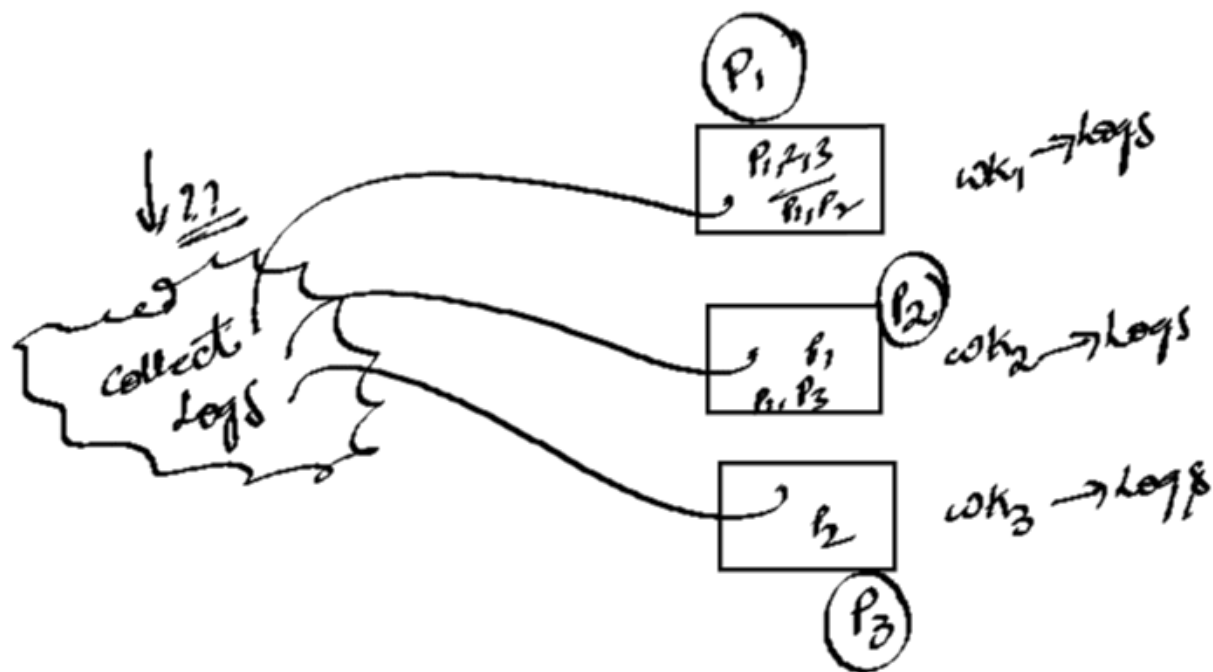
P₅

wk₅

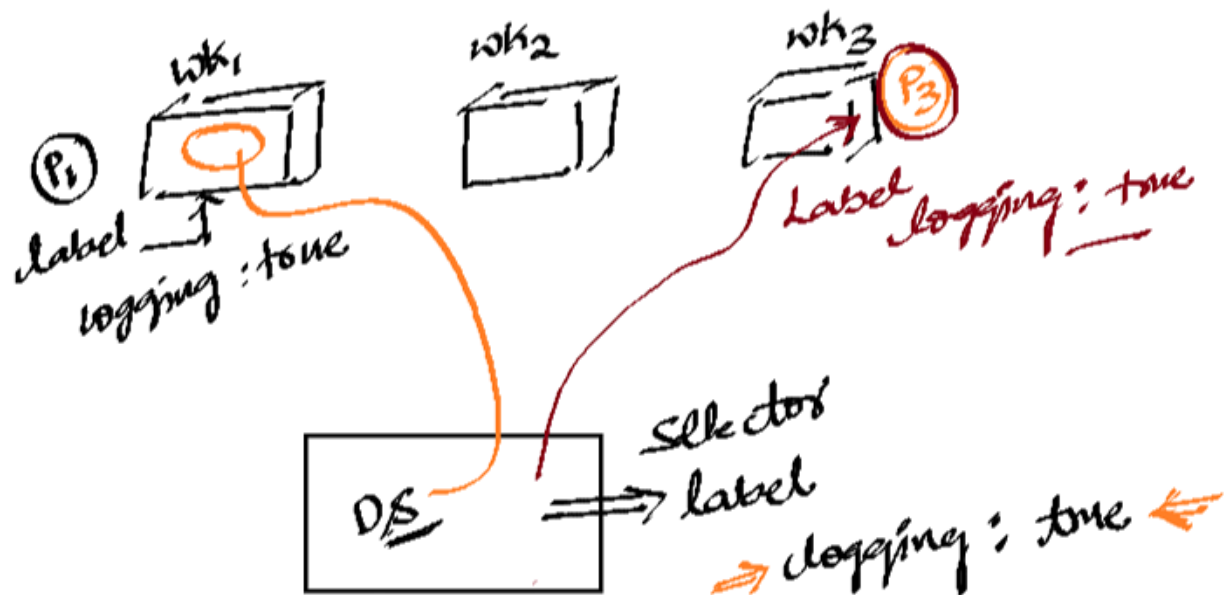
Ctrl

"Logging"
daemons

Ctrl



DS \rightarrow DaemonSet

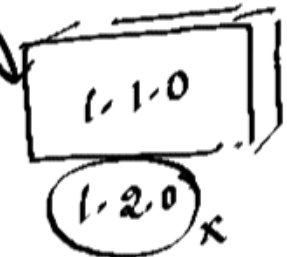
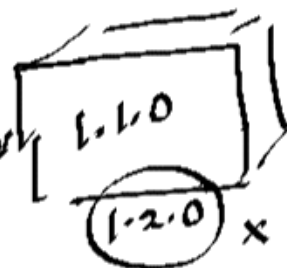


Ctrl

Application Management

⬇
⬆
ⓧ
1.2.0[ⓧ]
Correct

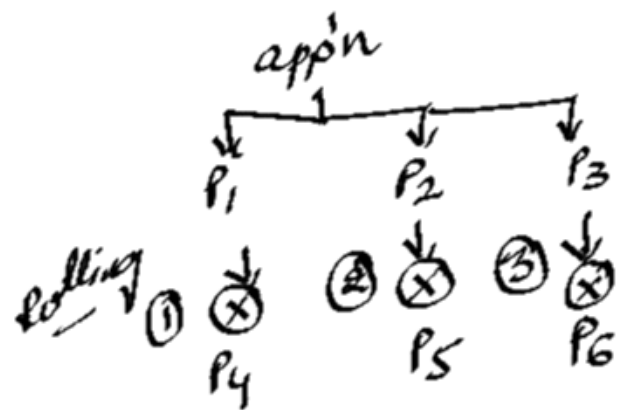
quest:- How fast you can revert
back to 1.1.0 ??



failed

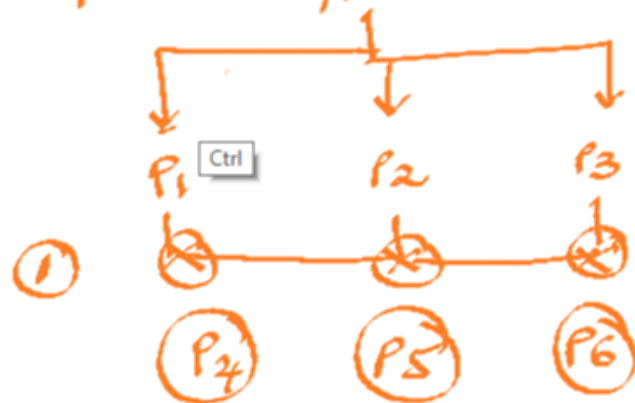
Ctrl

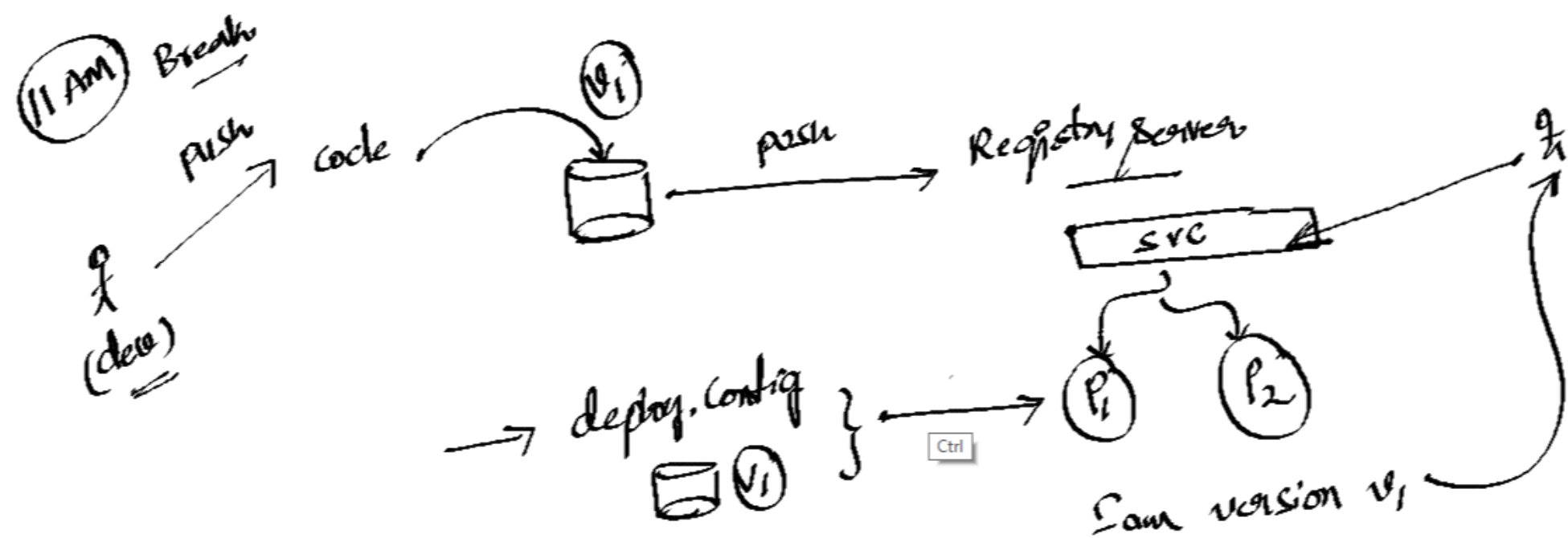
deployment configurations

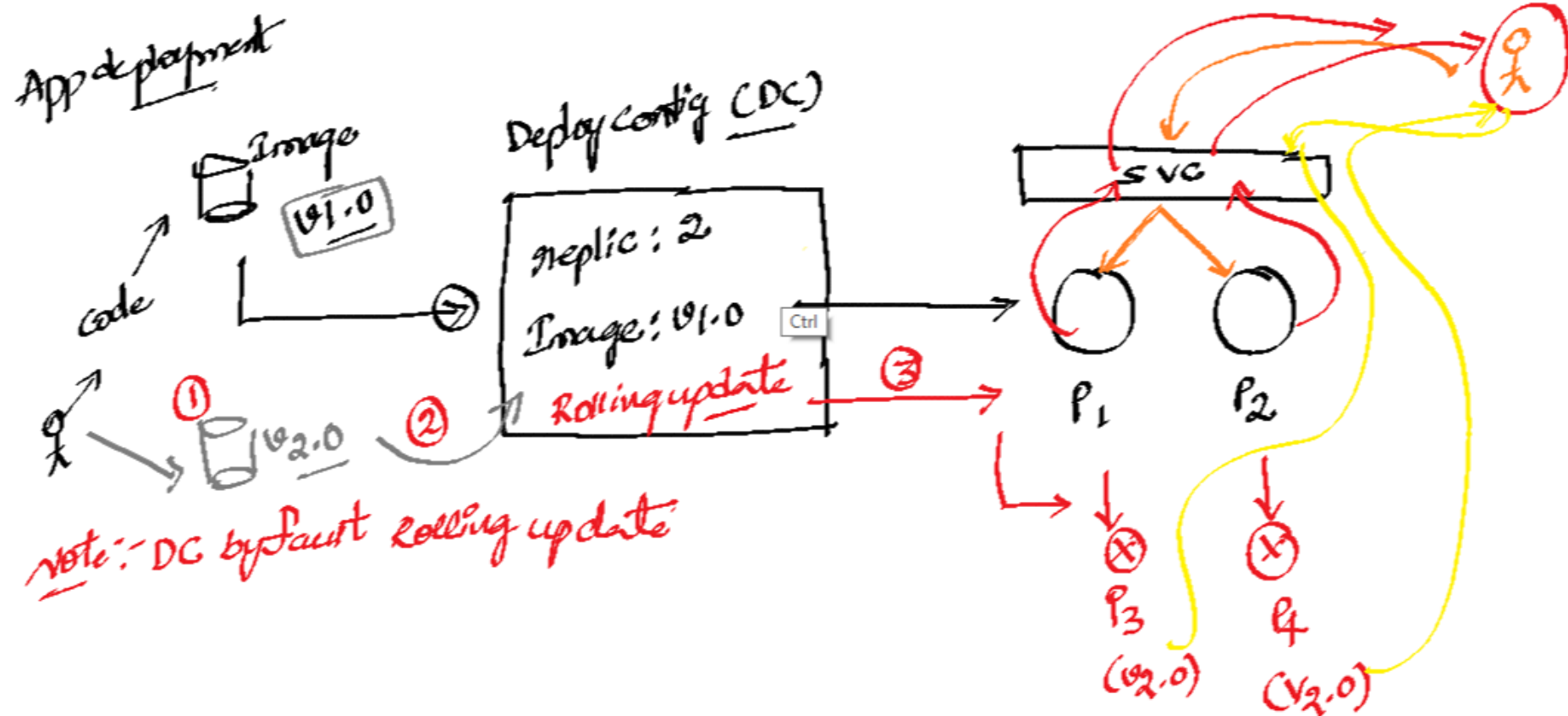


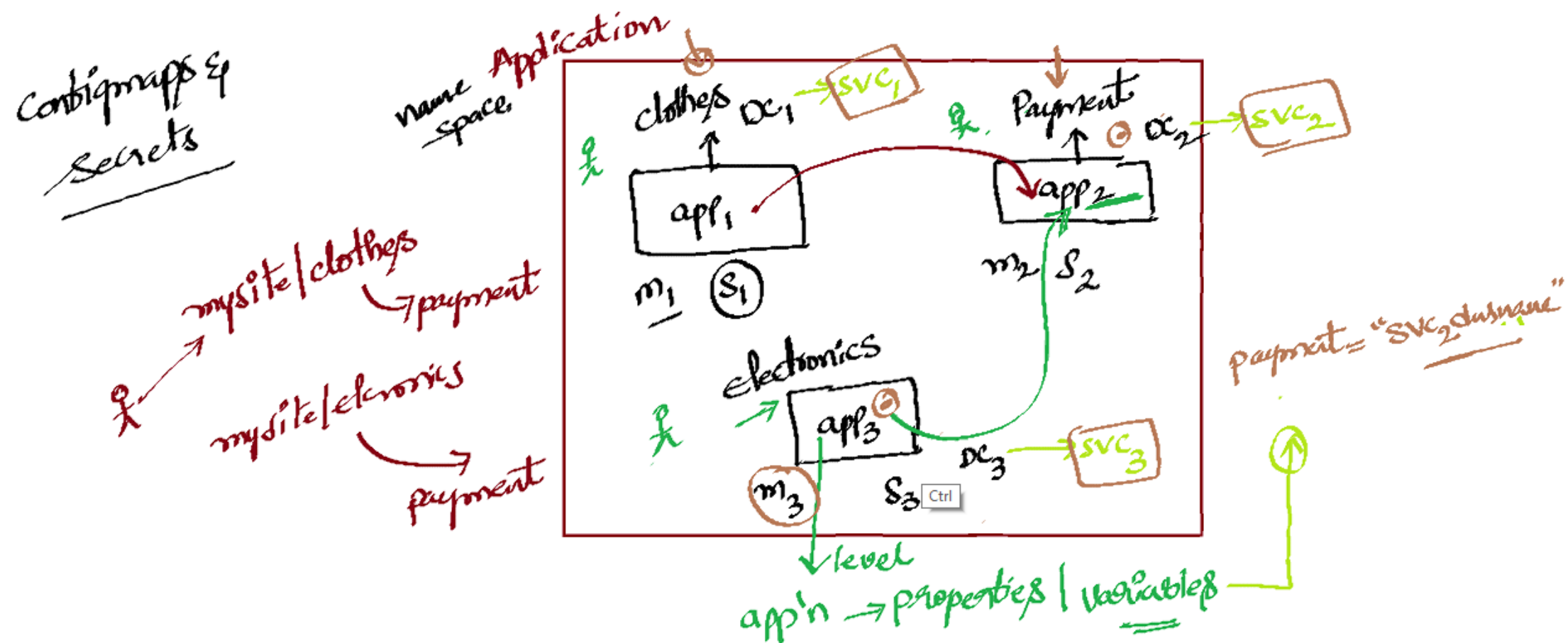
- ① Rolling deployment/update ✓
- ② ReCreate deployment/update
- ③ Custom deployment app'n → "Blue, Green deployment"

Recreate

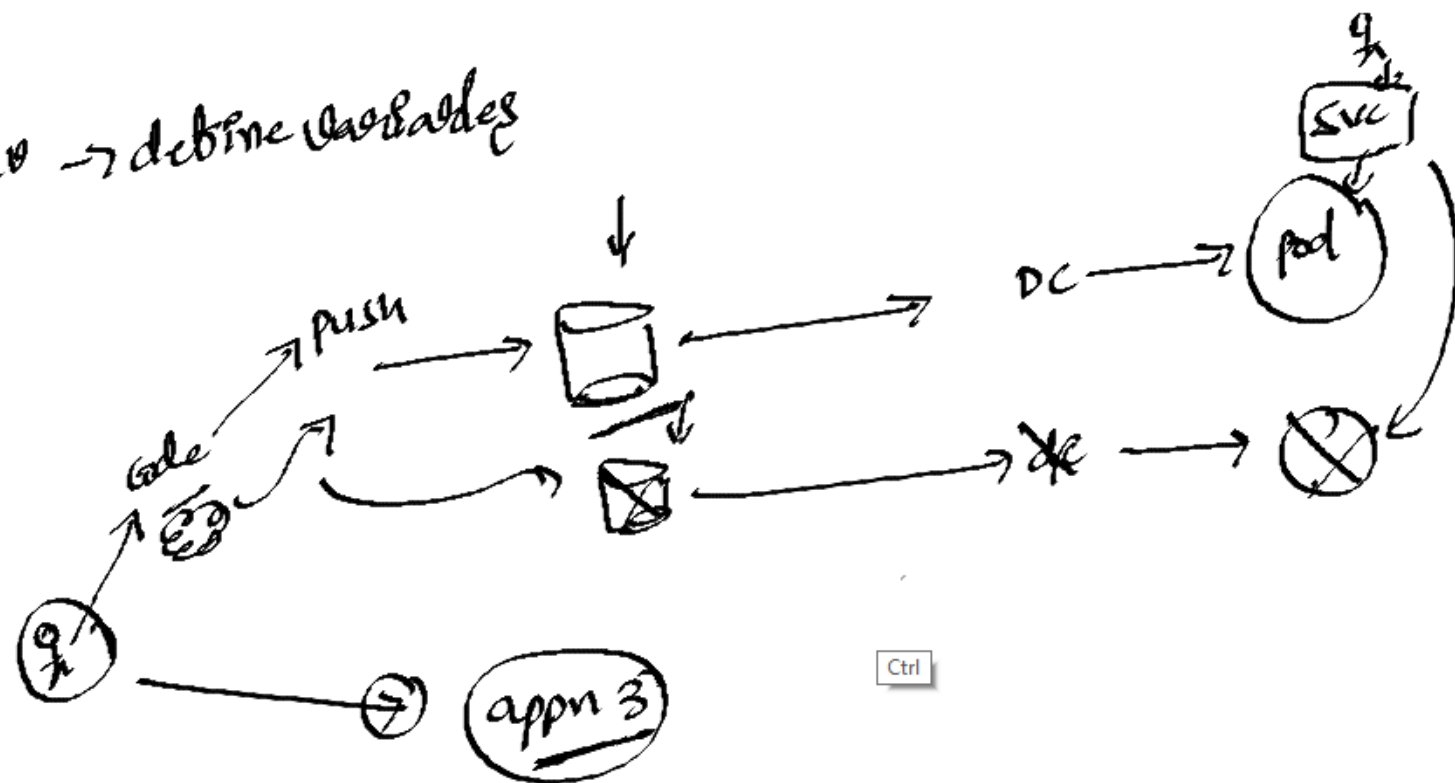




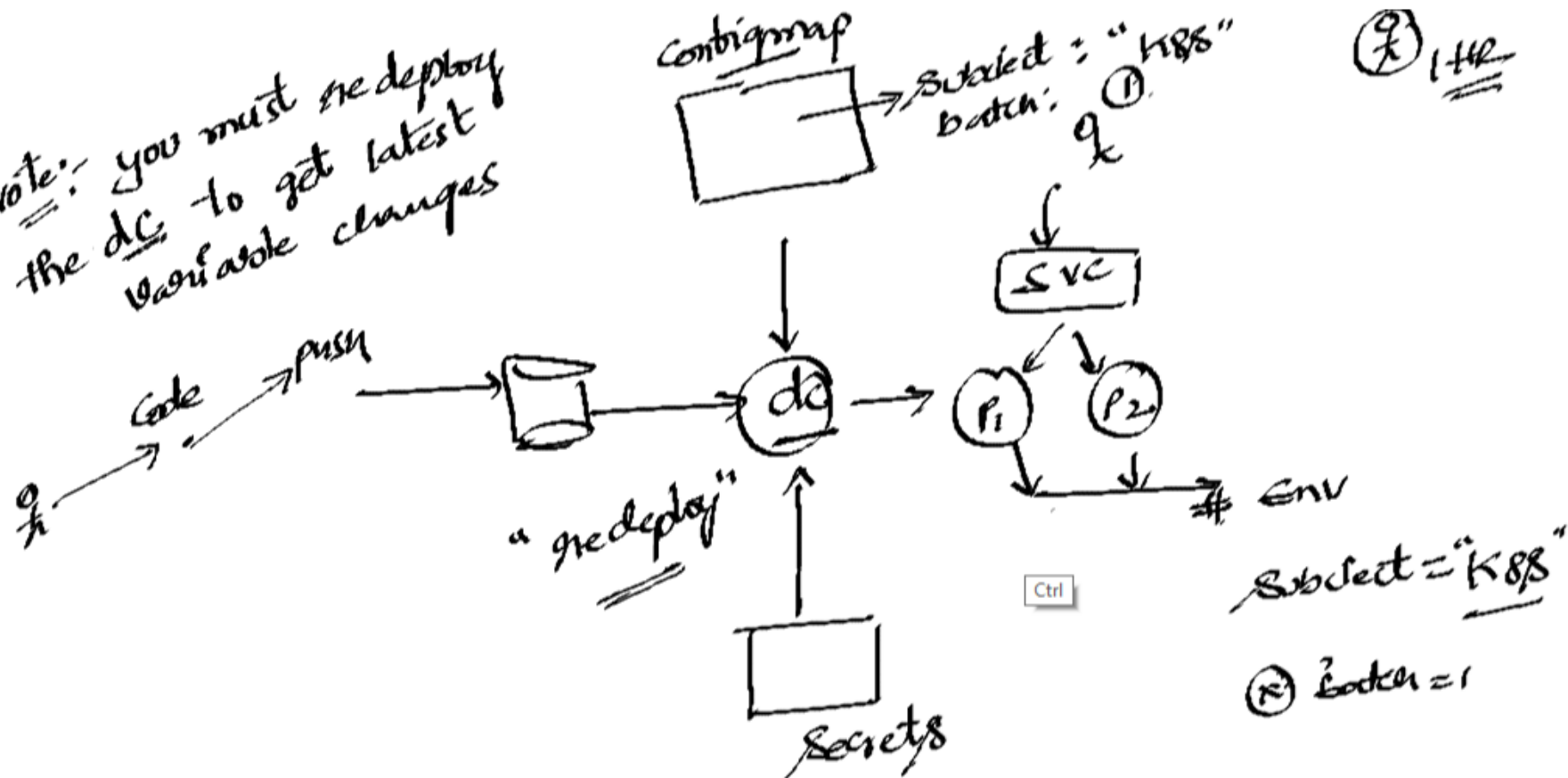




g → dev → define variables



note: you must redeploy
the dc to get latest
variable changes



① configmap

"subject": "kubernetes"
"day": "Saturday"

② deployment

↓ nginx

replica: 1

pod



verified
variants

③

config
map

①

DC

②

pod

③

verify

2

verify

Note: I cannot apply changes to a pod definition, I have to delete it & then create it back for new changes.

apiVersion: apps/v1

kind: Deployment

metadata:

name: demo-configmap

labels:

app: configmap

spec:

replicas: 1

selector:

matchLabels:

app: configmap

template:

metadata:

labels:

app: configmap

spec:

containers:

- name: configmap

image: nginx

ports:

- containerPort: 80

env:

- name: SUBJECT

valueFrom: app1-configmap

key: subject.

*Untitled - Notepad

File Edit Format View Help

apiVersion: v1

kind: ConfigMap

metadata:

name: app1-configmap ✓

data:

subject: "kubernetes"

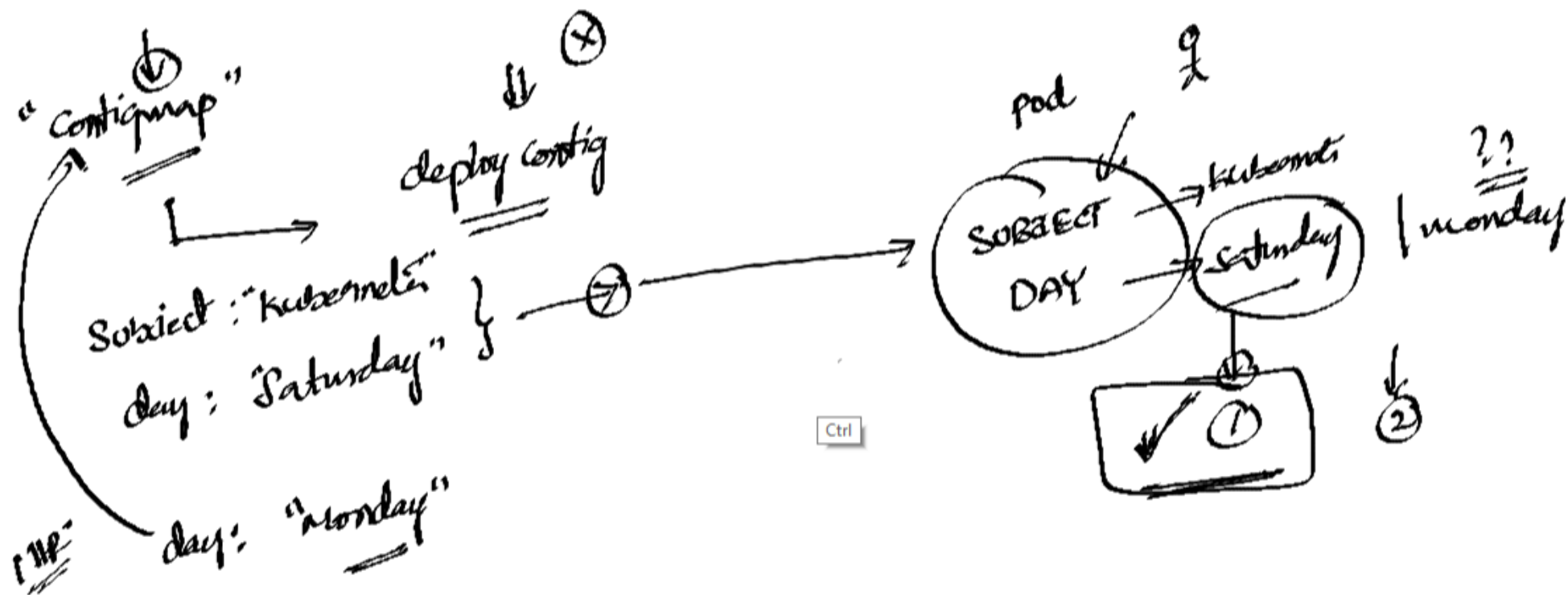
day: "saturday"

Ctrl

Ln 8, Col 1

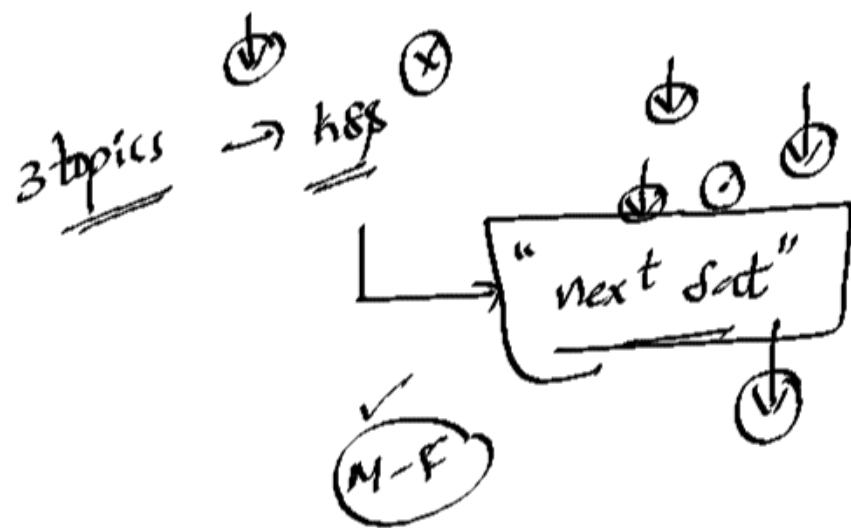
160%

Windows (CRLF)



g → reset ⇒ rawdata ⊗
mydata → base64

Ctrl



9-12:30

⇒ Syllabus done ⇐

- ① Agile process
- ② drawings

* Extra *

① Interviews — ② questions, videos