## Woek I:

Fundamentals course:

= Containers:

You start from the image.

= Pod: Group 1 or more containers

Pod runs on nodes, => connected with networking

Kibernetes Managed GCP, EKS AKS Oracle

Hybrid Rancher, Anthos, VM ware

((Custom Edge???

\* Scalability & Elasticity

H scaling More nooles

\* Security & RBAC FLS, cert Manger, Secret Manager & \* Volume & nount 1/0 => connect different containers de Balancer de

\* Portability

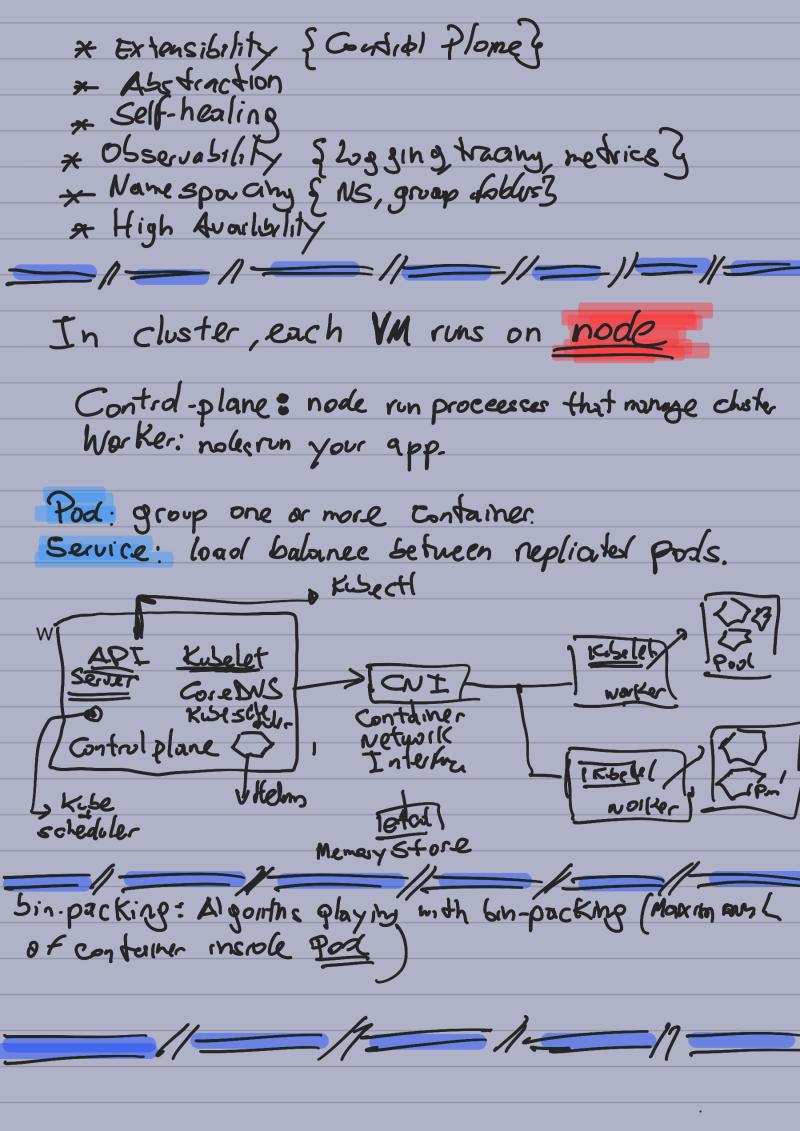
\* Resources & CDU, Menory 3

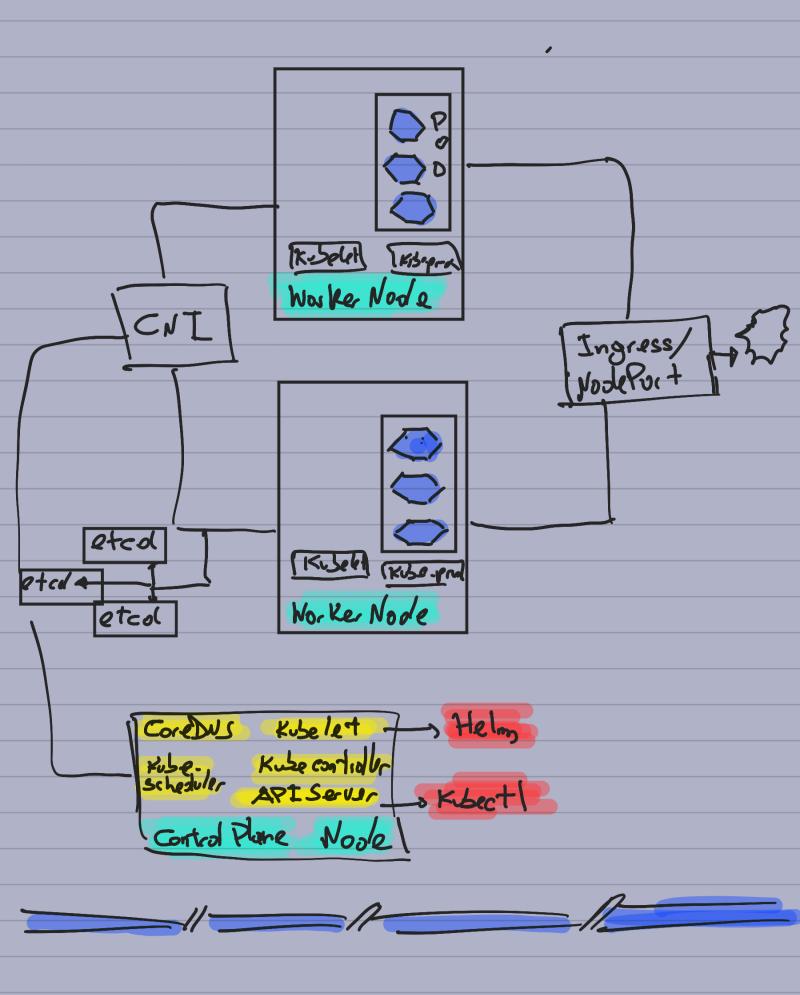
\* Scheduling & IpAddresses &

\* Declarative

\* Distributed & Falacy }

\* Networking





Kubectl create namespace ticketing
Kubectl label namespace ticketing venue-opera
woth: (p)

Kubertl get namespaces Kubertl get namespace treketing to YAML

1/=//=

api Version: v1

kinsl: Namespace
metadata:
name: trcketing
labels:
venue: opera
watch: cpu

spec:

apriversion: U1
Kind: Pook
netaditu:
labels:
app: nginx
spec:
Containers:
- name: nginx
inage: n

api Version: V1 Kind: Sevice retadata: nome: rubsuru

spec: type: Nodelort

selector:
app:ngina
poits:

- Poit:3100 target Poit: minr-poit! type: tcp nodePoit:3100

Helm: pockage manager

From other Ciles