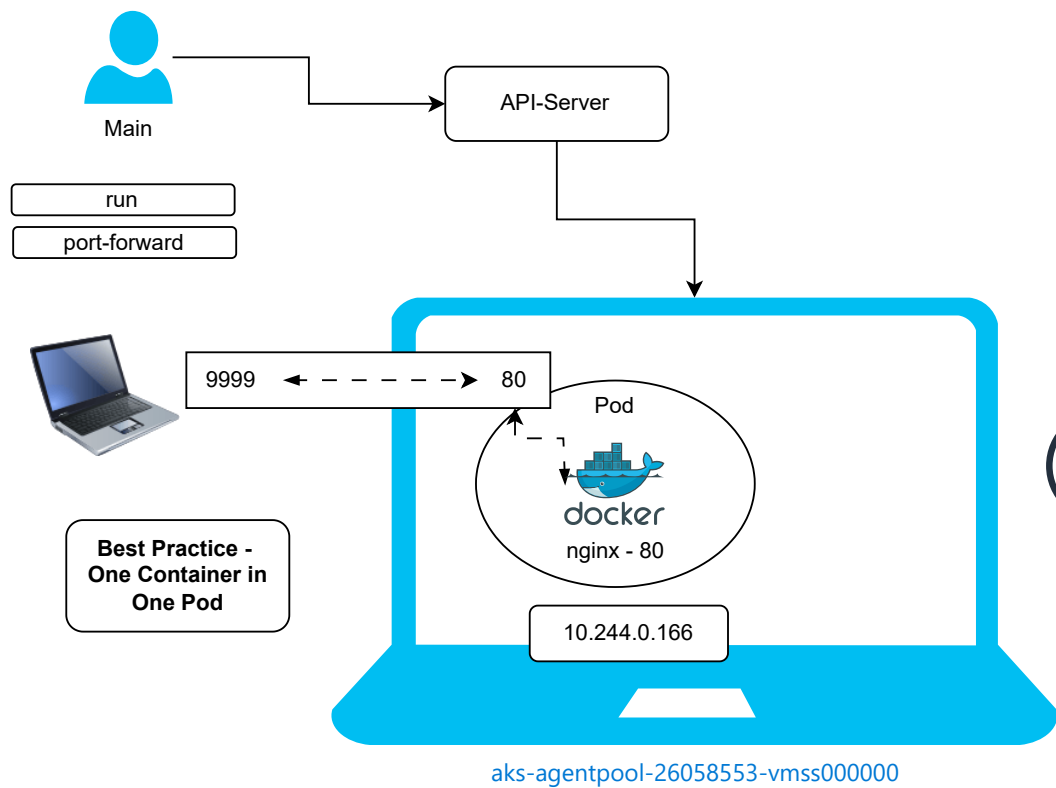Kubernetes Control Plane ke upr taint lga hota hai jiske karan uspe koi pods nahi schedeule hote hai..
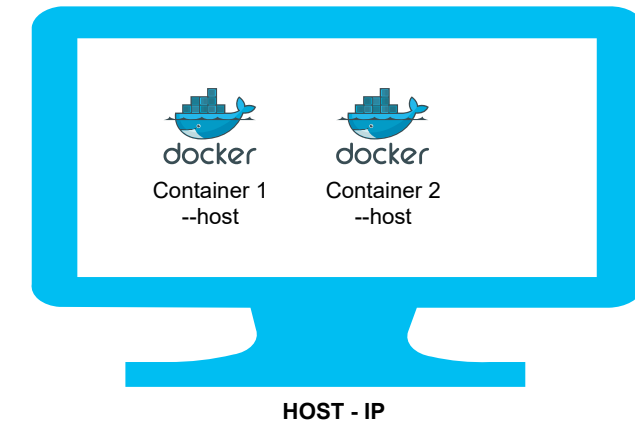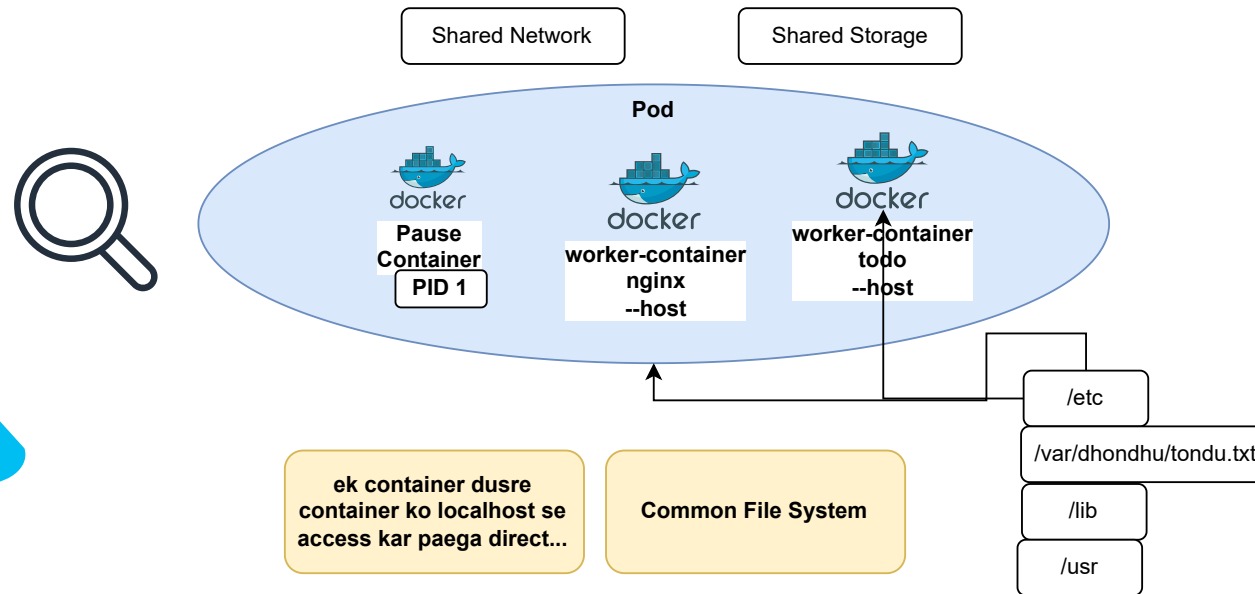
workload = A workload is an application running on Kubernetes.

Pods are the smallest deployable units of computing that you can create and manage in Kubernetes.

Pause container will store the Pod IP and pod namespace

IP is assigned to POD. Using that we will access containers.

Main

API-Server

run

port-forward

9999 ← - - - - - → 80

Pod

docker

nginx - 80

10.244.0.166

Best Practice - One Container in One Pod

aks-agentpool-26058553-vmss000000

Shared Network

Shared Storage

Pod

docker
Pause Container
PID 1

docker
worker-container nginx --host

docker
worker-container todo --host

/etc

/var/dhondhu/tondu.txt

/lib

/usr

ek container dusre container ko localhost se access kar paega direct...

Common File System

Container 1 --host

Container 2 --host

HOST - IP

Lifecycle of Pod -
1. Pending
2. Running
3. Succeed
4. Failed
5. Unknown

kubectl get pods -o wide = Get pods with additional details

run - to create a pod

get - to display resources

describe - to describe resource

delete - to delete resource

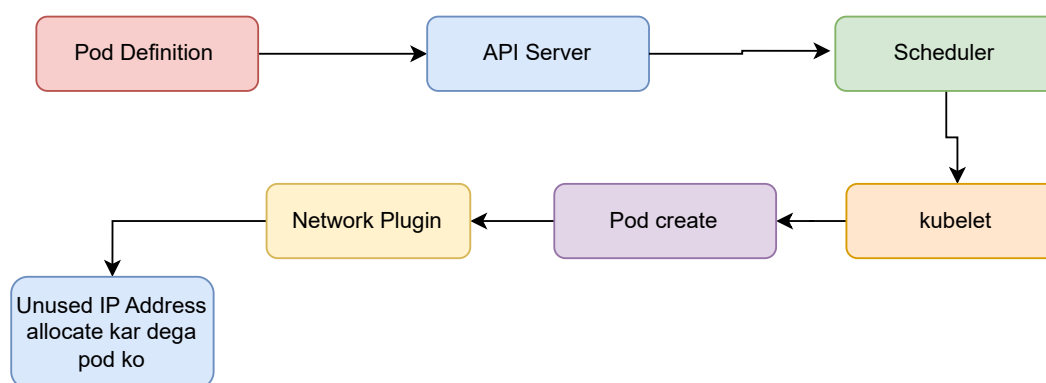kubectl describe TYPE NAME_PREFIX

kubectl describe pod nginx

kubectl run chorokasardar --image=nginx -n anuragkijaiho

Pod Definition → API Server → Scheduler

Network Plugin ← Pod create ← kubelet

Unused IP Address allocate kar dega pod ko

Pod level ka networking

Pod ko storage kaise denge?