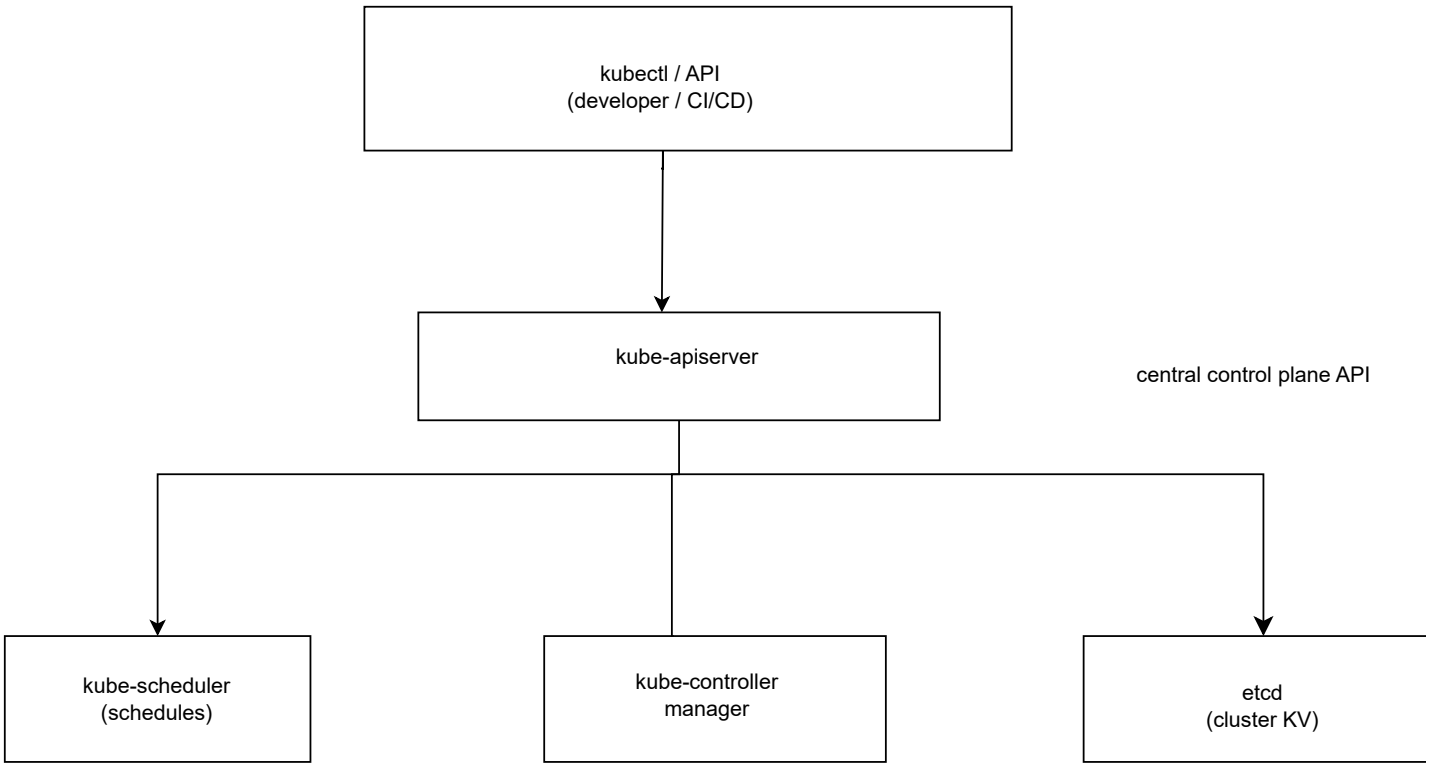
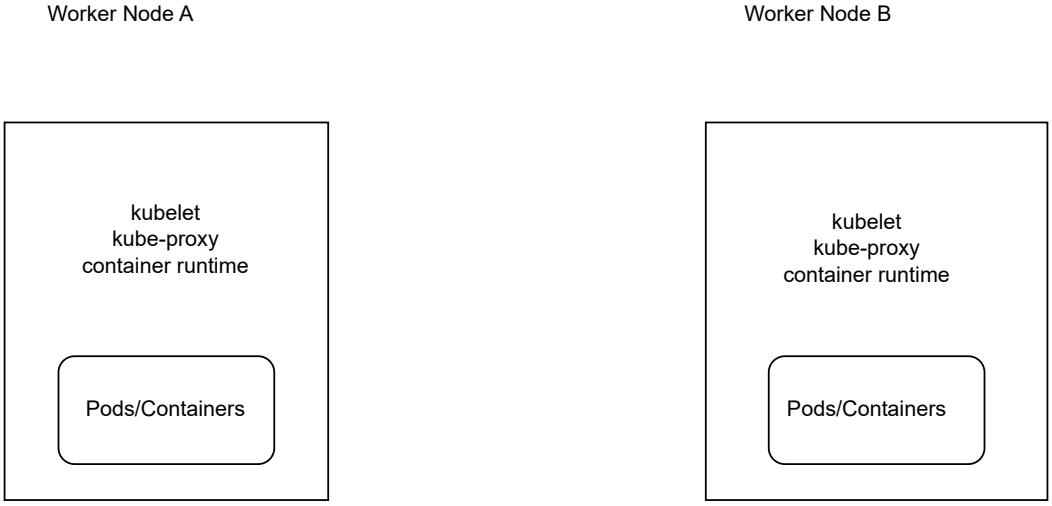
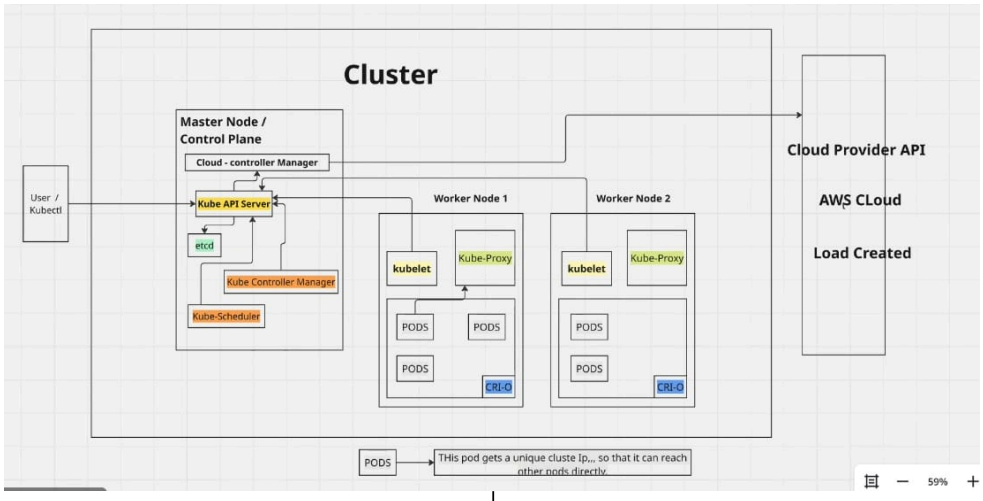
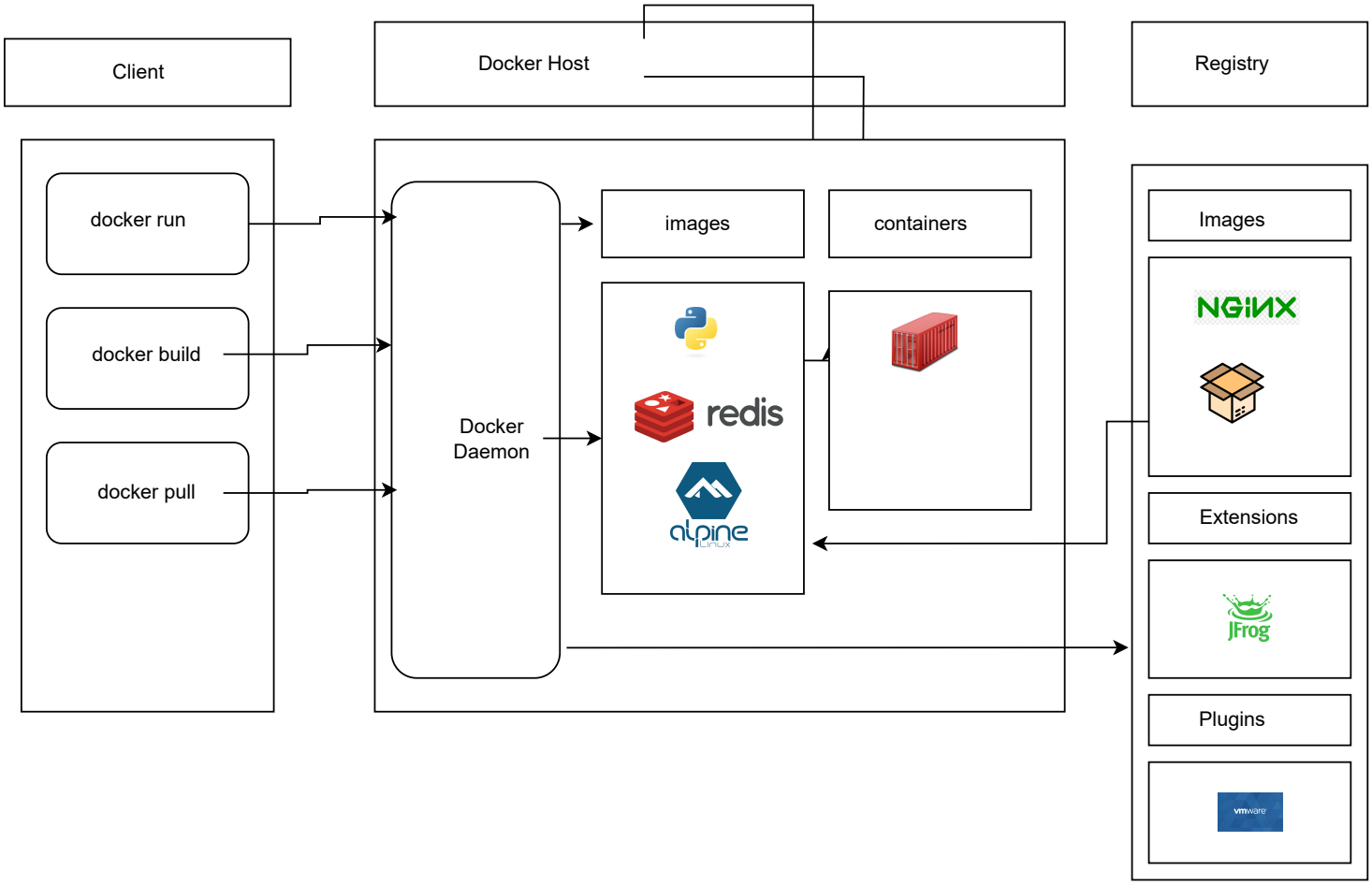


Control plane manages worker nodes via kubelet/kube-proxy:




Cluster
Master Node /
Control Plane
Cloud - controller Manager
User /
Kubectl
Kube API Server
etcd
Kube Controller Manager
Kube-Scheduler
Worker Node 1
kubelet
Kube-Proxy
PODS
PODS
PODS
CRI-O
Worker Node 2
kubelet
Kube-Proxy
PODS
PODS
CRI-O
Cloud Provider API
AWS CLoud
Load Created
PODS
THis pod gets a unique cluste Ip,., so that it can reach
other pods directly
59%

Networking:
- Services (ClusterIP/NodePort/LoadBalancer) provide stable endpoints
- kube-proxy handles traffic to Pod IPs
- CNI plugin provides Pod-to-Pod networking (flannel, calico, etc.)


Client
Docker Host
Registry
docker run
docker build
docker pull
Docker
Daemon
images
containers
redis
alpine
Images
NGINX
Extensions
JFrog
Plugins
vmware