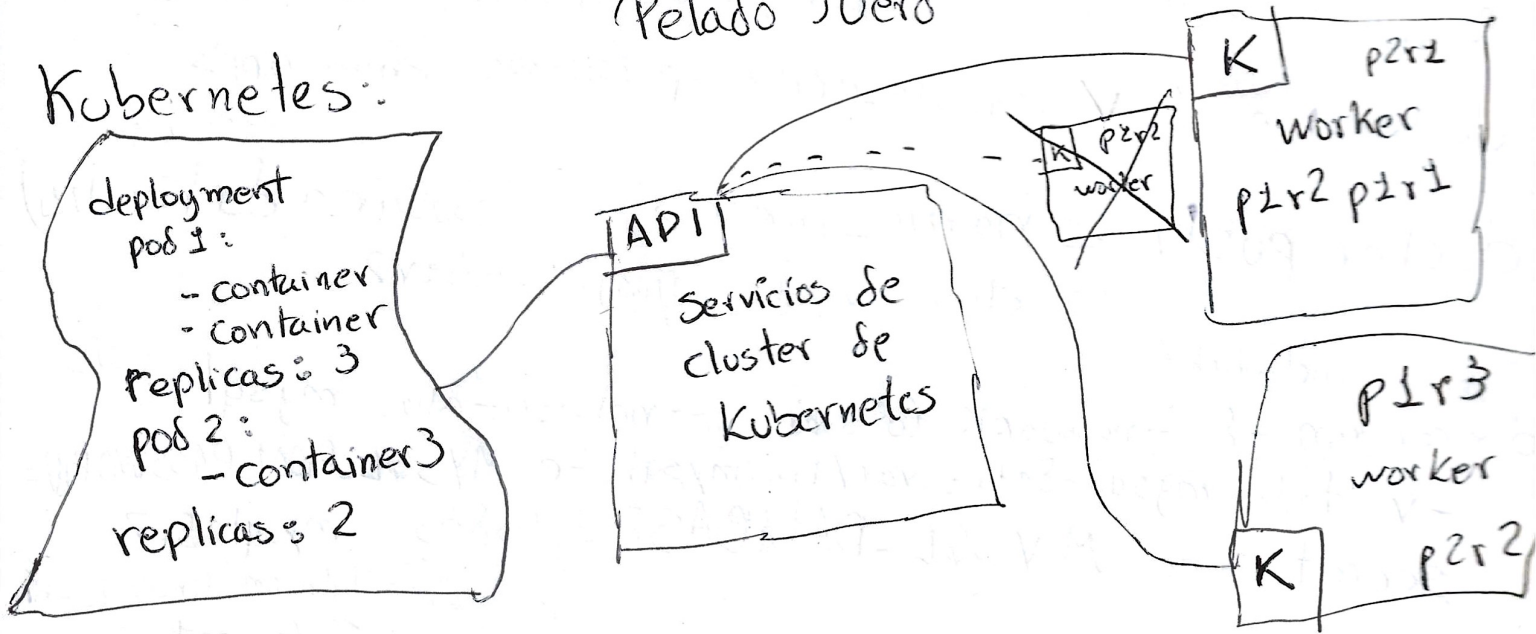
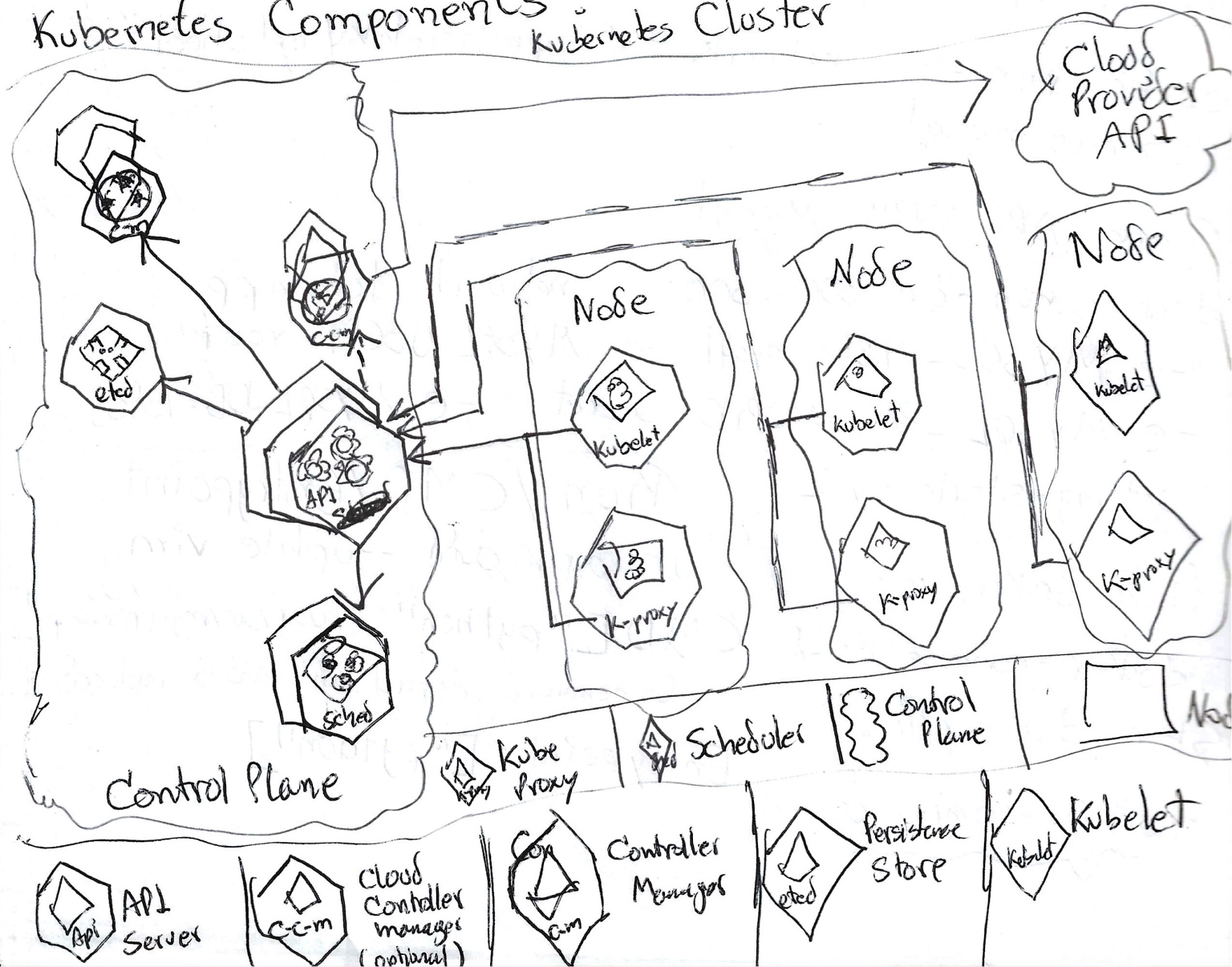


Kubernetes Course 2021: Pelado Nerd

Kubernetes:



Kubernetes Components: Kubernetes Cluster



Commands

- * Kubectl get nodes
- * Kubectl config get-contexts
- * Kubectl get ns (namespace)
- * Kubectl -n <namespace> get pods
-o wide
- * Kubectl -n <namespace> delete pod <pod-name>
- * Kubectl apply -f <manifest>
- * Kubectl exec -it <pod-name> -- sh
- * Kubectl get pod <pod-name> -o yaml
- * Kubectl delete -f <manifest>
- * Kubectl describe pod <pod-name>
- * Kubectl get all
- * Kubectl get ~~ing~~ ing
- * Kubectl -n ingress-nginx get svc
- * Kubectl logs -f <pod-name>
- * Kubectl -n <pod-name>

Namespace: División lógica del cluster de Kubernetes.

Pod: Set de contenedores

1000m → 1 core

request → guaranty

limits → Max resources

readiness Probe: → Decirle a Kubernetes que el pod está ready

HttpGet:

path: /

port: 80

Initial Delay Seconds: 5

period Seconds: 10

liveness Probe: → decirle a Kubernetes que el pod está vivo

TcpSocket:

port: 80

Initial Delay Seconds: 15

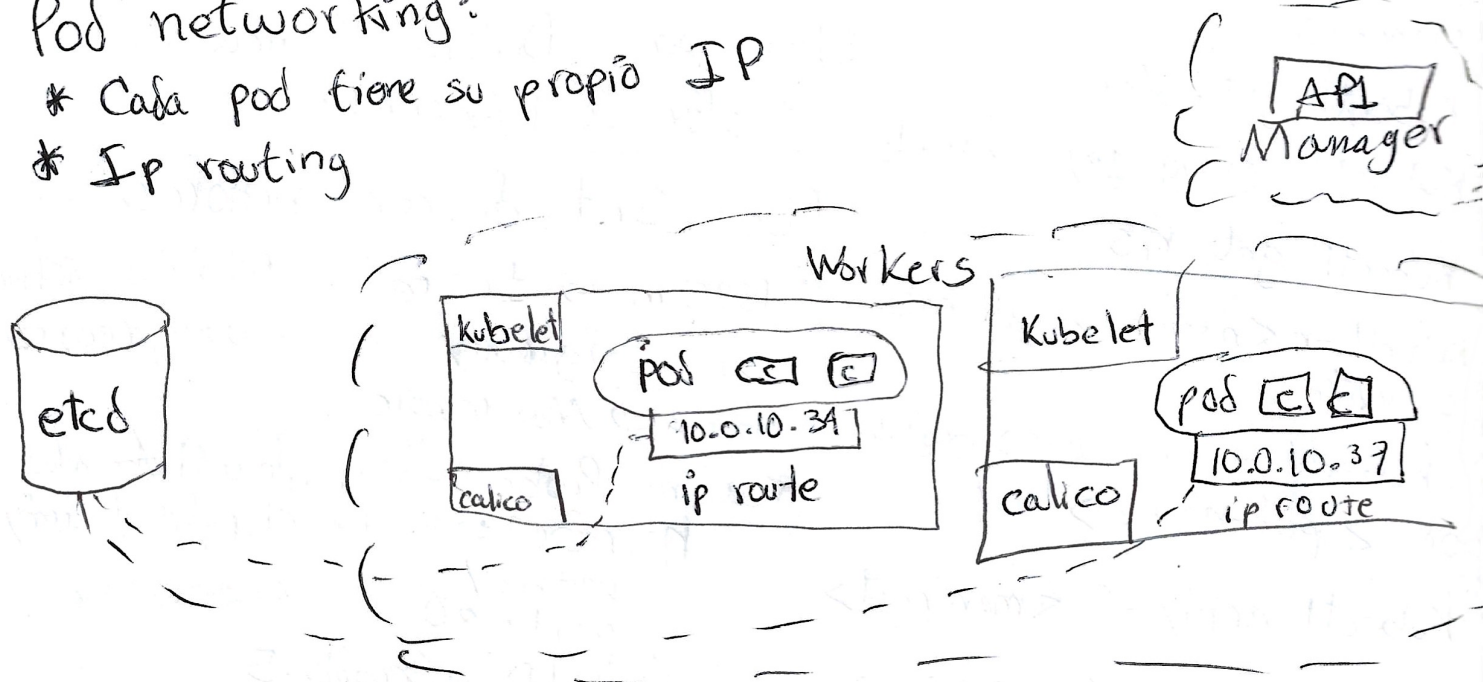
period Seconds: 20

ports:

- container Port: 80

Pod networking:

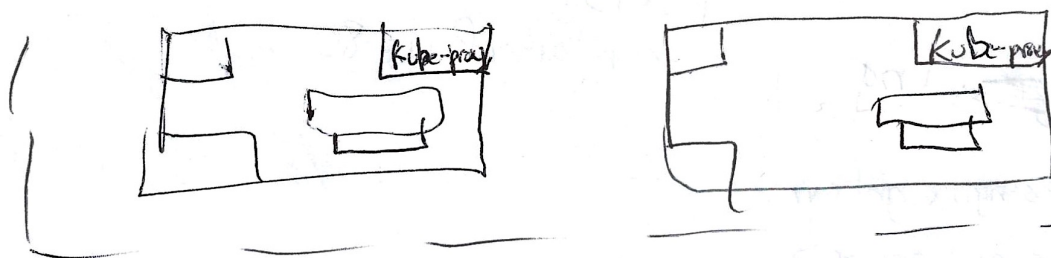
- * Cada pod tiene su propio IP
- * IP routing



Kubernetes Services: Kube-proxy

- * Cluster IP
- * Node Port
- * Load Balancer

Workers



Ingress: Permite crear accesos a nuestros servicios basados en el Path. Kubernetes hace un deploy de un controlador nginx, para manejar el tráfico.