k8s□□□□□□□□□

□□□□https://zahui.fan/posts/34d8fad0/

- □□kubeadm□□

```
kubectl -n kube-system get configmap kubeadm-config -o jsonpath='{.data.ClusterConfiguration}'
> kubeadm.yaml
```

- □□□□SANs□□

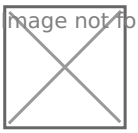
certSANs□extraArgs□□□□□□□□□□□□□□□□□master□□□□IP□□

controlPlaneEndpoint: kube-api-server:6443 □□□□□□□□□□

□□□□□□□

```
apiServer:
  certSANs:
    # □□□□□□□□□□□□□master□□□hostname□ip
    - kube-api-server
    - 5-10.vpclub.io
    - 5-11.vpclub.io
    - 5-12.vpclub.io
    - 192.168.5.10
    - 192.168.5.11
    - 192.168.5.12
    - 192.168.5.200
  extraArgs:
    authorization-mode: Node,RBAC
  timeoutForControlPlane: 4m0s
apiVersion: kubeadm.k8s.io/v1beta2
certificatesDir: /etc/kubernetes/pki
clusterName: kubernetes
controlPlaneEndpoint: kube-api-server:6443  # □□□□□□□□□□
controllerManager: {}
dns:
  type: CoreDNS
```

```
etcd:
  local:
    dataDir: /var/lib/etcd
imageRepository: registry.aliyuncs.com/google_containers
kind: ClusterConfiguration
kubernetesVersion: v1.20.15
networking:
  dnsDomain: cluster.local
  podSubnet: 10.244.0.0/16
  serviceSubnet: 10.96.0.0/12
scheduler: {}
```



- □□□kubernetes□□□□

```
mkdir -p /data/vpclub/kubernetes-bak/kubernetes-20240619
cp /etc/kubernetes/** /data/vpclub/kubernetes-bak/kubernetes-20240619 -rf
```

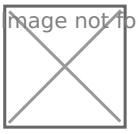
- □□□□□□

```
# □□□□□□
rm /etc/kubernetes/pki/apiserver.key -rf
rm /etc/kubernetes/pki/apiserver.crt

# □□□□□□
kubeadm init phase certs apiserver --config kubeadm.yaml

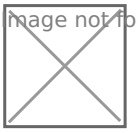


# □□□□□□□□□□□□□□□□□□□□□□IP□□
openssl x509 -in /etc/kubernetes/pki/apiserver.crt -text
```



- □□cluster-info□□

```
# server□□□□□□□□□□□□□□□□□□□□ kube-api-server
kubectl -n kube-public edit cm cluster-info
```



- □□□□□□□□

```
kubeadm init phase upload-config kubeadm --config kubeadm.yaml


# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
kubectl edit cm kubeadm-config -n kube-system
```

- □□Apiserver

```
kubectl delete pod □kube-apiserver-5-10.vpclub.io kube-controller-manager-5-10.vpclub.io -n
kube-system
```

- □□KUBE-VIP□□□□□□

```
# □□□□□□□VIP□□□□□□□

docker run --network host --rm swr.cn-south-1.myhuaweicloud.com/vp-whdev/all-in-devops/kube-
vip:v0.6.0 manifest pod --interface=eth0 --vip 192.168.5.200  --controlplane --services  --
arp  --leaderElection |  tee /etc/kubernetes/manifests/kube-vip.yaml

# □□□□VIP□□□□, □□□□□□ping□□
ping kube-api-server
ping 192.168.5.200
```

- □□□□□□,□□□□□□□□□□server□□□□□□□□□□□□□□□□□□□□ kube-api-server

```
vi /etc/kubernetes/kubelet.conf
# □□□□□□□□□□□□□□IP
vi /etc/kubernetes/controller-manager.conf
# □□□□□□□□□□□□□□IP
vi /etc/kubernetes/scheduler.conf
```



- □□kubelet□□□

```
systemctl restart kubelet
kubectl delete pod -n kube-system kube-controller-manager-5-10.vpclub.io
kubectl delete pod -n kube-system kube-scheduler-5-10.vpclub.io
```

- □□kube-proxy□□□□server □□□□□□□□□□□□□□□□□□□□ kube-api-server

```
kubectl edit configmap kube-proxy -n kube-system

# □□ kube-proxy
kubectl rollout restart daemonset kube-proxy -n kube-system
```

- □□kubectl □□

```
vi ~/.kube/config
vi /etc/kubernetes/admin.conf
# □□□□□□
kubectl cluster-info
```

- □□□master□□

```
echo "$(kubeadm token create --print-join-command) --control-plane --certificate-key $(kubeadm
init phase upload-certs --upload-certs | tail -1)"

□□□□□□□master□□□□
```

- □□node□□□

```
kubeadm token create --print-join-command
```

□□□ #13
□ □□□ □□□ 21 □□ 2023 05:51:12
□ □□□ □□□ 30 □□ 2025 04:38:42