

k3s集群&ks8集群&rancher 集群

• 集群

- https://mp.weixin.qq.com/s?__biz=MzkyNzM4Nzk1NQ==&mid=2247500723&idx=1&sn=64def8cd6ec7fd874440690f1f589a3a
- <http://kingsd.top/2020/07/01/k3s-cert-rotary/>
- <https://www.cnblogs.com/databank/p/16334715.html>

集群部署步骤

集群10节点

集群kubeadm节点

<https://github.com/yuyicai/update-kube-cert>

```
# 集群部署
kubeadm certs check-expiration

# 集群部署
chmod 777 update-kubeadm-cert.sh

# 集群部署
./update-kubeadm-cert.sh all

# 集群部署
./update-kubeadm-cert.sh master
```

rancher集群

```
# rancher部署
curl -Ik https://ip:port

# 部署
docker exec -it <rancher_server_id> /bin/bash

# 部署
```

```
kubectl --insecure-skip-tls-verify -n kube-system delete secrets k3s-serving
kubectl --insecure-skip-tls-verify delete secret serving-cert -n cattle-system
```

```
# [redacted]
mv /var/lib/rancher/k3s/server/tls /var/lib/rancher/k3s/server/tls-20250507
rm -rf /var/lib/rancher/k3s/server/tls
```

```
# [redacted]rancher [redacted]
```

```
# [redacted]rancher-agent [redacted]
kubectl get po -n cattle-system
```

```
# [redacted]rancher agent [redacted], [redacted]rancher [redacted]
docker ps -a | grep cattle
```

```
# [redacted]cattle-agent [redacted]
docker logs -f <cattle-agent-container-name>
```

- [redacted]

```
# [redacted] agent [redacted] kubectl get ns
kubectl -n cattle-system delete daemonset.apps/cattle-node-agent deployment.apps/cattle-
cluster-agent
```

```
# [redacted] server-url [redacted]
```

```
# [redacted]
RANCHERURL="https://192.168.0.10:8000"
```

```
# [redacted]ID
CLUSTERID="c-8d1c7"
```

```
# [redacted]token, [redacted]api&&keys [redacted]Bearer Token [redacted]
# Token
TOKEN="token-8kdfz:f4kgn4ptrq92wxkmlzjh9wntbxc4jpnnwq6spnv6mlhm76259wl6"
```

```
# jq
yum install -y epel-release
yum install -y jq

# curl
curl -s -H "Authorization: Bearer ${TOKEN}"
"${RANCHERURL}/v3/clusterregistrationtokens?clusterId=${CLUSTERID}" | jq -r '.data[] |
select(.name != "system") | .command'

# curl
curl -s -k -H "Authorization: Bearer ${TOKEN}"
"${RANCHERURL}/v3/clusterregistrationtokens?clusterId=${CLUSTERID}" | jq -r '.data[] |
select(.name != "system") | .insecureCommand'

# curl
curl --insecure -sfL
https://192.168.0.10:8000/v3/import/sztcbkgpcffdvmd8rn9qvd9flp595np5zc6x6ljqk89jqkdx8rhf.yaml
| k3s kubectl apply -f -
```

• k3s

k3s

```
# k3s
# --insecure-skip-tls-verify=true
k3s kubectl --insecure-skip-tls-verify=true delete secret k3s-serving -n kube-system

# k3s
kubectl delete secret k3s-serving -n kube-system
```


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```
mkdir -p  tlrbak
cp /var/lib/rancher/k3s/server/tls/** ./tlrbak -rf
rm /var/lib/rancher/k3s/server/tls/dynamic-cert.json
```

```
# [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
openssl x509 -noout -dates -in server-ca.crt
```

[illegible]#

--	--	--	--	--	--

```
mkdir -p /data/vpclub/kubernetes-bak/kubernetes-20240620
```

```
cp /etc/kubernetes/** /data/vpclub/kubernetes-bak/kubernetes-20240620 -r
```

```
# kubectl exec master-0 -- kubectl exec kubeadm certs check-expiration
```

[illegible][illegible][illegible]

```
kubeadm certs renew all
```

[illegible]

```
kubeadm certs renew apiserver
kubeadm certs renew apiserver-etcd-client
kubeadm certs renew apiserver-kubelet-client
kubeadm certs renew etcd-healthcheck-client
kubeadm certs renew etcd-peer
kubeadm certs renew etcd-server
kubeadm certs renew front-proxy-client
kubeadm certs renew scheduler.conf
kubeadm certs renew admin.conf
```

```
# 000master 0000000000000000
```

```
# kubelet
systemctl restart kubelet
```

```
# docker
systemctl restart docker

# 4POD
# etcd kube-apiserver kube-scheduler kube-controlle
```

[illegible]

```
# [ ] [ ] [ ] [ ] [ ] [ ]

kubeadm init phase certs all

# [ ] [ ] [ ] [ ] [ ] pki [ ] [ ] etcd [ ] [ ] etcd2

mv etcd/ etcd2/

# [ ] [ ] master [ ] [ ] pki [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

scp -r /etc/kubernetes/pki/** 172.18.41.4: /etc/kubernetes/pki/

# [ ] [ ] etcd2 [ ] [ ] **peer.crt** **server.crt** [ ] [ ] etcd [ ] [ ]

cp etcd2/*peer.crt ./etcd/

cp etcd2/*server.crt ./etcd/

# [ ] [ ] kubeadm certs renew all [ ] [ ] [ ] [ ] [ ] [ ]
```

• K3S

- ☐ 

```
# node[]

cat /etc/rancher/node/password

# [] control panel []master[]

cat /var/lib/rancher/k3s/server/cred/node-passwd

# []

# []k3s.services[]token
```

```
# [redacted]token
```

```
cat /var/lib/rancher/k3s/server/node-token
```

```
# [redacted]noded[redacted]token
```

```
sed -i "s/<old-token>/<new-token>/g" /usr/lib/systemd/system/k3s.service
```

```
# [redacted]
```

```
systemctl daemon-reload
```

```
# [redacted]
```

```
systemctl restart k3s
```

```
[redacted] #33
```

```
[redacted] [redacted] 16 [redacted] 2023 08:51:27
```

```
[redacted] [redacted] 16 [redacted] 2025 06:08:02
```