

k3s & ks8 & rancher

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- 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>

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kubeadm

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

<https://jiovhm.com/uploads/software/k8s/update-kubeadm-cert.sh>

```
#  
kubeadm certs check-expiration  
  
#  
chmod 777 update-kubeadm-cert.sh  
  
#  
./update-kubeadm-cert.sh all  
  
# master etcd  
./update-kubeadm-cert.sh master
```

rancher

```
# rancher  
curl -Ikv https://ip:port  
  
#  
docker exec -it <rancher_server_id> /bin/bash
```

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

```
# [redacted]
rm -rf data/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"
```

```

# CLUSTERID
CLUSTERID="c-8d1c7"

# curl -s -k -H "Authorization: Bearer Token"
# 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/sztcbkgpcffdvmd8rn9qvd9flp595np5zc5s6xljqk89jqkdx8rhf.yam
l | k3s kubectl apply -f -

```

• k3s

k8s k3s k8s

```

# k3s k8s
# --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
```

```
#
```

```
mkdir -p tlsbak
```

```
cp /var/lib/rancher/k3s/server/tls/** ./tlsbak -rf
```

```
rm /var/lib/rancher/k3s/server/tls/dynamic-cert.json
```

```
#
```

```
openssl x509 -noout -dates -in server-ca.crt
```

```
# k3s
```

```
systemctl restart k3s
```

k8s

```
#
```

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

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

```
# master
```

```
kubeadm certs check-expiration
```

```
#
```

```
#
```

```
#
```

```
kubeadm certs renew all
```

```
# ETCD
```

```
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
```

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

```
# [ ] kubelet
```

```
systemctl restart kubelet
```

```
# [ ] docker
```

```
systemctl restart docker
```

```
# [ ] 4 [ ] POD [ ]
```

```
# etcd [ ] kube-apiserver [ ] kube-scheduler [ ] kube-controlle
```

```
[ ] master [ ] pki [ ] etcd [ ] etcd [ ] etcd [ ] pki [ ]
```

```
# [ ]
```

```
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
```

```
# [ ]token
```

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

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

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

```
# [ ]
```

```
systemctl daemon-reload
```

```
# [ ]
```

```
systemctl restart k3s
```

```
[ ] #37
```

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

```
[ ] [ ] 14 [ ] 2025 07:32:01
```