[**https://kubernetes.io/docs/concepts/cluster-administration/certificates/**](https://kubernetes.io/docs/concepts/cluster-administration/certificates/)

**kubernetes 证书制作工具**

[**https://blog.csdn.net/qq\_21816375/article/details/80028662**](https://blog.csdn.net/qq_21816375/article/details/80028662)

**kubernetes二进制部署时ca认证排错记录**

[**https://blog.csdn.net/qqhappy8/article/details/78776172**](https://blog.csdn.net/qqhappy8/article/details/78776172)

**生成证书和密钥**

kubectl describe secret default-token-g28k6 --namespace=kube-system

default-token-g28k6 kubernetes.io/service-account-token 2 16m

heapster-token-rkcwm kubernetes.io/service-account-token 2 16m

kubernetes-dashboard-admin-token-tnclg kubernetes.io/service-account-token 2 16m

kubernetes-dashboard-certs Opaque 4 3h40m

kubernetes-dashboard-token-9rkcq kubernetes.io/service-account-token 2 16m

**# kubectl get secrets --namespace=kube-system**

NAME TYPE DATA AGE

default-token-wxzm7 kubernetes.io/service-account-token 2 19h

**# kubectl describe secret default-token-wxzm7 --namespace=kube-system**

Name: default-token-wxzm7

Namespace: kube-system

Labels: <none>

Annotations: kubernetes.io/service-account.name=default

kubernetes.io/service-account.uid=80bc5d75-41e9-11e7-b90e-000c29f6f813

Type: kubernetes.io/service-account-token

Data

====

namespace: 11 bytes

token: eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJrdWJlcm5ldGVzL3NlcnZpY2VhY2NvdW50Iiwia3ViZXJuZXRlcy5pby9zZXJ2aWNlYWNjb3VudC9uYW1lc3BhY2UiOiJrdWJlLXN5c3RlbSIsImt1YmVybmV0ZXMuaW8vc2VydmljZWFjY291bnQvc2VjcmV0Lm5hbWUiOiJkZWZhdWx0LXRva2VuLXd4em03Iiwia3ViZXJuZXRlcy5pby9zZXJ2aWNlYWNjb3VudC9zZXJ2aWNlLWFjY291bnQubmFtZSI6ImRlZmF1bHQiLCJrdWJlcm5ldGVzLmlvL3NlcnZpY2VhY2NvdW50L3NlcnZpY2UtYWNjb3VudC51aWQiOiI4MGJjNWQ3NS00MWU5LTExZTctYjkwZS0wMDBjMjlmNmY4MTMiLCJzdWIiOiJzeXN0ZW06c2VydmljZWFjY291bnQ6a3ViZS1zeXN0ZW06ZGVmYXVsdCJ9.m1dIyZiU2vejuUrhjUb3mwykBkp\_nrfTQ9kyz6kYQghcJT4iuGNqh3sPBpQ6F4QxCDu\_PgKGWr5A7PA3mnvwfmwE8MbLktizf4khOR7gMxp\_xwQw8izutdjQZJgtejxzSkBeW3Kh-Xr7YnUt6cpAdkITWJ65rTI5Fp4KmrK-AVMnKr0h3YIbmCTC2-rKJSJw\_NUHLYjCELh8c5K2gnn1wTl6QXhgsojtx7cDZZrPBPF6pOX5xtZYN2YEOjjeHS01LA1jbmkaCJiaTT1umICVpGZ8PxRbuuzaUBAdJaxxsE05Jve67E9e6qFIYROsZMIgnoN5t5UBooypBuMkms\_31g1

./easyrsa --batch "--req-cn=192.168.101.176@`date +%s`" build-ca nopass

Generating a 2048 bit RSA private key

./easyrsa --subject-alt-name="IP:192.168.101.176" build-server-full server nopass

**./easyrsa --batch "--req-cn=192.168.101.176@`date +%s`" build-ca nopass**

**./easyrsa --subject-alt-name="IP:192.168.101.176,"\**

**"IP:10.254.0.1,"\**

**"IP:192.168.101.62,"\**

**"IP:192.168.101.63,"\**

**"DNS:kubernetes,"\**

**"DNS:kubernetes.default,"\**

**"DNS:kubernetes.default.svc,"\**

**"DNS:kubernetes.default.svc.cluster,"\**

**"DNS:kubernetes.default.svc.cluster.local" \**

**--days=10000 \**

**build-server-full server nopass**

# mkdir /etc/kubernetes/pki

# cp pki/ca.crt pki/issued/server.crt pki/private/server.key /etc/kubernetes/pki/

# chmod 644 /etc/kubernetes/pki/\*

KUBE\_API\_ARGS="--client-ca-file=/etc/kubernetes/pki/ca.crt --tls-cert-file=/etc/kubernetes/pki/server.crt --tls-private-key-file=/etc/kubernetes/pki/server.key"

KUBE\_CONTROLLER\_MANAGER\_ARGS="--service-account-private-key-file=/etc/kubernetes/pki/server.key --root-ca-file=/etc/kubernetes/pki/ca.crt"