**mkdir cert && cd cert**

Text

Description automatically generated

**openssl genrsa -out user1.key 2048**

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with low confidence

openssl req -new \

-key user1.key \

-out user1.csr \

-subj "/CN=user1/O=eralabs"

Text

Description automatically generated

cp /etc/kubernetes/pki/ca.\* /root/cert/

Text

Description automatically generated with low confidence

# generate .crt

openssl x509 -req \

-in user1.csr \

-CA ca.crt \

-CAkey ca.key \

-CAcreateserial \

-out user1.crt \

-days 500

Text

Description automatically generated

kubectl config set-context user1-context \

--cluster=Kubernetes \

--namespace=ns1 \

--user=user1

Text

Description automatically generated

kubectl config view

Text

Description automatically generated

kubectl config use-context user1-context

Text

Description automatically generated

kubectl config current-context

A picture containing text

Description automatically generated

Need to copy admin.config file to your cert Repo

Text

Description automatically generated

Now edit admin.config to below

apiVersion: v1

clusters:

- cluster:

certificate-authority-data: 

server: https://10.0.1.5:6443

name: kubernetes

contexts:

- context:

cluster: Kubernetes

namespace: ns1

user: user1

name: user1-context

current-context: user1-context

kind: Config

preferences: {}

users:

- name: user1-context

user:

client-certificate-data: 

client-key-data: 

- name: kubernetes-admin--client-certificate=/etc/kubernetes/pki/ca.crt

user:

client-key: pki/ca.key

- name: user1

user:

client-certificate: /root/Kubernetes/developer/user1.crt

client-key: /root/Kubernetes/developer/user1.key

Text

Description automatically generated with medium confidence

Text

Description automatically generated