

Minikube Ingress

Minikube Ingress

1. Minikube Ingress

```
minikube start --driver=docker --cpus=2 --memory=4g # 2 4G  
minikube addons enable ingress
```

2. Ingress

```
kubectl get pods -n ingress-nginx
```

3 Pod

NAME	READY	STATUS	RESTARTS	AGE
ingress-nginx-admission-create--1-x2n5g	0/1	Completed	0	1m
ingress-nginx-admission-patch--1-x8p7k	0/1	Completed	0	1m
ingress-nginx-controller-5d88495688-d7v6r	1/1	Running	0	1m

3.

```
#  
kubectl create deployment web --image=nginx
```

```
#  
kubectl expose deployment web --port=80
```

4. Ingress

ingress.yaml

```
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: example-ingress
spec:
  rules:
  - host: web.minikube.test
    http:
      paths:
      - path: /
        pathType: Prefix
      backend:
        service:
          name: web
          port:
            number: 80
```

□□□□

```
kubectl apply -f ingress.yaml
```

5. □□□□

□□ 1□□□□□ hosts□□

```
echo "$(minikube ip) web.minikube.test" | sudo tee -a /etc/hosts
```

□□□□□□□□ http://web.minikube.test

□□ 2□□□ curl□□

```
curl -H "Host: web.minikube.test" $(minikube ip)
```

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1. Ingress □□□□□

```
minikube delete
minikube start --driver=docker --cpus=2 --memory=4g
minikube addons enable ingress
```

2. Pod ContainerCreating

```
minikube ssh -- docker pull registry.k8s.io/ingress-nginx/controller:v1.8.1
minikube ssh -- docker pull registry.k8s.io/ingress-nginx/kube-webhook-certgen:v20230407
```

3.

```
kubectl describe ingress example-ingress
kubectl logs -n ingress-nginx ingress-nginx-controller-xxxx
```

4.

```
#  yml
wget https://raw.githubusercontent.com/kubernetes/ingress-nginx/controller-
v1.11.2/deploy/static/provider/cloud/deploy.yaml
#  "deploy.yaml"
sed -i 's#registry.k8s.io/ingress-
nginx/controller:v1.11.2@sha256:d5f8217feeac4887cb1ed21f27c2674e58be06bd8f5184cacea2a69ab
af78dce#registry.aliyuncs.com/google_containers/nginx-ingress-controller:v1.11.2#g' deploy.yaml
sed -i 's#registry.k8s.io/ingress-nginx/kube-webhook-
certgen:v1.4.3@sha256:a320a50cc91bd15fd2d6fa6de58bd98c1bd64b9a6f926ce23a600d87043455a
3#registry.aliyuncs.com/google_containers/kube-webhook-certgen:v1.4.3#g' deploy.yaml


# 
kubectl apply -f deploy.yaml

# 
kubectl delete -f deploy.yaml

[ ](https://blog.csdn.net/z1299236067/article/details/142502502)
```



1. HTTPS

```
# 
openssl req -x509 -nodes -days 365 -newkey rsa:2048 \
-keyout tls.key -out tls.crt -subj "/CN=web.minikube.test"
```

```
# [] TLS secret
kubectl create secret tls web-tls --cert=tls.crt --key=tls.key
```

```
# [] ingress.yaml[] tls[]
spec:
  tls:
    - hosts:
      - web.minikube.test
    secretName: web-tls
```

2. [] Ingress[]

```
kubectl logs -n ingress-nginx deployment/ingress-nginx-controller -f
```



```
kubectl delete ingress example-ingress
kubectl delete service web
kubectl delete deployment web
minikube addons disable ingress
```

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Minikube[][][][][]

Ingress[][][][][][][]

Pod[][]

Ingress[][][][][]

Revision #2

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