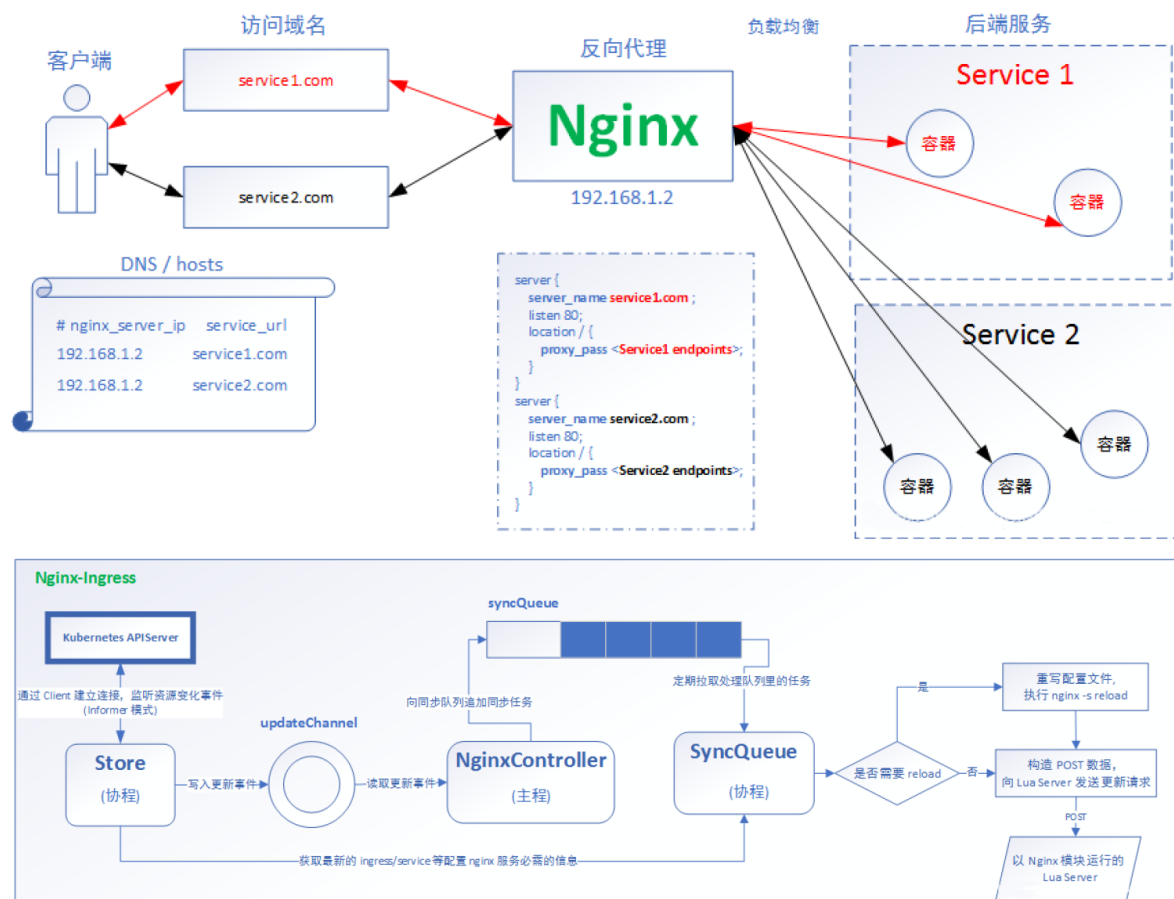


ingress

Date: 20191203
Author: LiuZhangshu
Version: v1.0.0

版本	修改内容	修改人
v1.0.0	init	刘章术

1. 原理



2. 部署

`wget https://raw.githubusercontent.com/kubernetes/ingress-nginx/master/deploy/static/mandatory.yaml`
`wget https://raw.githubusercontent.com/kubernetes/ingress-nginx/master/deploy/static/provider/baremetal/service-nodeport.yaml`

```
kubectl apply -f mandatory.yaml
kubectl apply -f service-nodeport.yaml
```

3.代理

3.1 HTTP

deployment、Service、Ingress yaml 文件

```
apiVersion: extensions/v1beta1
kind: Deployment
metadata:
  name: nginx-dm
spec:
  replicas: 2
  template:
    metadata:
      labels:
        name: nginx
    spec:
      containers:
        - name: nginx
          image: wanyanglinux/myapp:v1
          imagePullPolicy: IfNotPresent
          ports:
            - containerPort: 80
---
apiVersion: v1
kind: Service
metadata:
  name: nginx-svc
spec:
  ports:
    - port: 80
      targetPort: 80
      protocol: TCP
  selector:
    name: nginx
---
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
  name: nginx-test
spec:
  rules:
    - host: www1.test.com
      http:
        paths:
          - path: /
            backend:
              serviceName: nginx-svc
              servicePort: 80
```

3.2 HTTPS

创建证书，以及cert 存储方式

```
openssl req -x509 -sha256 -nodes -days 365 -newkey rsa:2048 -keyout tls.key -out  
tls.crt -subj "/CN=nginxsvc/O=nginxsvc"  
kubectl create secret tls tls-secret --key tls.key --cert tls.crt
```

deployment、Service、Ingress Yaml 文件

```
apiVersion: extensions/v1beta1  
kind: Ingress  
metadata:  
  name: nginx-test  
spec:  
  tls:  
    - hosts:  
      - foo.bar.com  
      secretName: tls-secret  
  rules:  
    - host: foo.bar.com  
      http:  
        paths:  
          - path: /  
            backend:  
              serviceName: nginx-svc  
              servicePort: 80
```