

ubuntu@ip-172-31-28-92:~$ kubectl get nodes

NAME STATUS ROLES AGE VERSION

ip-172-31-19-243 Ready <none> 2d14h v1.19.16

ip-172-31-28-92 Ready master 2d22h v1.19.16

ip-172-31-33-13 Ready <none> 28h v1.19.16

ubuntu@ip-172-31-28-92:~$ sudo vi nginx.yaml

apiVersion: apps/v1

kind: Deployment

metadata:

name: nginx-deployment

labels:

app: nginx

spec:

replicas: 3

selector:

matchLabels:

app: nginx

template:

metadata:

labels:

app: nginx

spec:

containers:

- name: nginx

image: nginx:1.7.9

ports:

- containerPort: 80

ubuntu@ip-172-31-28-92:~$ kubectl create -f nginx.yaml

deployment.apps/nginx-deployment created

ubuntu@ip-172-31-28-92:~$ kubectl get pods

nginx-deployment-5d59d67564-59w86 1/1 Running 0 16m

nginx-deployment-5d59d67564-fh6dg 1/1 Running 0 16m

nginx-deployment-5d59d67564-txf7k 1/1 Running 0 16m

ubuntu@ip-172-31-28-92:~$ kubectl create service clusterip nginx --tcp=80:80

service/nginx created

ubuntu@ip-172-31-28-92:~$ kubectl get svc

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 2d23h

nginx ClusterIP 10.109.83.136 <none> 80/TCP 26s

ubuntu@ip-172-31-28-92:~$ curl 10.109.83.136

<!DOCTYPE html>

<html>

<head>

<title>Welcome to nginx!</title>

<style>

body {

width: 35em;

margin: 0 auto;

font-family: Tahoma, Verdana, Arial, sans-serif;

}

</style>

</head>

<body>

<h1>Welcome to nginx!</h1>

<p>If you see this page, the nginx web server is successfully installed and

working. Further configuration is required.</p>

<p>For online documentation and support please refer to

<a href="http://nginx.org/">nginx.org</a>.<br/>

Commercial support is available at

<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>

</body>

</html>

ubuntu@ip-172-31-28-92:~$ sudo vi apache.yaml

apiVersion: apps/v1

kind: Deployment

metadata:

name: apache-deployment

labels:

app: apache

spec:

replicas: 3

selector:

matchLabels:

app: apache

template:

metadata:

labels:

app: apache

spec:

containers:

- name: apache

image: httpd:latest

ports:

- containerPort: 80

ubuntu@ip-172-31-28-92:~$ kubectl apply -f apache.yaml

deployment.apps/apache-deployment created

ubuntu@ip-172-31-28-92:~$ kubectl apply -f apache-service.yaml

service/apache-service created

ubuntu@ip-172-31-28-92:~$ kubectl get svc

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

apache-service NodePort 10.108.216.226 <none> 80:30081/TCP 25s

kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 3d1h

nginx ClusterIP 10.109.83.136 <none> 80/TCP 167m

ubuntu@ip-172-31-28-92:~$ sudo vi ingress.yaml

apiVersion: extensions/v1beta1

kind: Ingress

metadata:

name: simple-webserver-routing-example

annotations:

nginx.ingress.kubernetes.io/rewrite-target: /

spec:

rules:

- http:

paths:

- path: /server1

backend:

serviceName: nginx

servicePort: 80

- path: /server2

backend:

serviceName: apache-service

servicePort: 80

ubuntu@ip-172-31-28-92:~$ kubectl apply -f ingress.yaml

Warning: extensions/v1beta1 Ingress is deprecated in v1.14+, unavailable in v1.22+; use networking.k8s.io/v1 Ingress

ingress.extensions/simple-webserver-routing-example created

ubuntu@ip-172-31-28-92:~$ kubectl get ingresses

Warning: extensions/v1beta1 Ingress is deprecated in v1.14+, unavailable in v1.22+; use networking.k8s.io/v1 Ingress

NAME CLASS HOSTS ADDRESS PORTS AGE

simple-webserver-routing-example <none> \* 80 3m18s