

ActivitiesTerminalMar 20 15:44ubuntu1@ubuntu1: ~

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NAME                TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
kubernetes          ClusterIP     10.96.0.1     <none>         443/TCP          21h
react-ecommerce-service NodePort      10.99.185.210 <none>         80:30007/TCP    47m

ubuntu1@ubuntu1:~/capstone$ kubectl delete service react-ecommerce-service
service "react-ecommerce-service" deleted

ubuntu1@ubuntu1:~/capstone$ kubectl create -f deployment.yml
service/react-ecommerce-service created

ubuntu1@ubuntu1:~/capstone$ kubectl get deployment
No resources found in default namespace.

ubuntu1@ubuntu1:~/capstone$ kubectl get deployments
No resources found in default namespace.

ubuntu1@ubuntu1:~/capstone$ kubectl get deployments
No resources found in default namespace.

ubuntu1@ubuntu1:~/capstone$ cd
ubuntu1@ubuntu1:~$ nano deployment.yml
ubuntu1@ubuntu1:~$ nano deployment.yml
ubuntu1@ubuntu1:~$ kubectl apply -f deployment.yml
deployment.apps/nginx-deployment created

ubuntu1@ubuntu1:~$ kubectl get deployments
NAME                READY    UP-TO-DATE    AVAILABLE    AGE
nginx-deployment    0/3      3              0            2m36s

ubuntu1@ubuntu1:~$ kubectl get deployments
NAME                READY    UP-TO-DATE    AVAILABLE    AGE
nginx-deployment    3/3      3              3            28m

ubuntu1@ubuntu1:~$ kubectl create deployment react-ecommerce --image=mayilanandhand/ecommerce:2 --replicas=2
deployment.apps/react-ecommerce created

ubuntu1@ubuntu1:~$ kubectl get pods
NAME                READY    STATUS      RESTARTS    AGE
nginx-deployment-58cdc7b878-4m62v 1/1      Running     0            47m
nginx-deployment-58cdc7b878-khd4c 1/1      Running     0            47m
nginx-deployment-58cdc7b878-v6cgf 1/1      Running     0            47m
react-ecommerce-6c7d8b99f7-v6nkm 0/1      ErrImagePull 0            3m50s
react-ecommerce-6c7d8b99f7-xbw9w 0/1      ImagePullBackOff 0            3m50s

ubuntu1@ubuntu1:~$ minikube ip
192.168.49.2

ubuntu1@ubuntu1:~$ kubectl create deployment react-ecommerce --image=mayilanandhand/ecommerce:2 --replicas=2 --imagePullPolicy=Never
error: unknown flag: --imagePullPolicy=Never
See 'kubectl create deployment --help' for usage.

ubuntu1@ubuntu1:~$ nano deployment.yml
ubuntu1@ubuntu1:~$ curl 192.168.49.2
curl: (7) Failed to connect to 192.168.49.2 port 80 after 0 ms: Connection refused

ubuntu1@ubuntu1:~$ curl 192.168.49.2:30007
curl: (7) Failed to connect to 192.168.49.2 port 30007 after 0 ms: Connection refused

ubuntu1@ubuntu1:~$ kubectl get pods
NAME                READY    STATUS      RESTARTS    AGE
nginx-deployment-58cdc7b878-4m62v 1/1      Running     0            75m
nginx-deployment-58cdc7b878-khd4c 1/1      Running     0            75m
nginx-deployment-58cdc7b878-v6cgf 1/1      Running     0            75m
react-ecommerce-6c7d8b99f7-v6nkm 0/1      ImagePullBackOff 0            31m
react-ecommerce-6c7d8b99f7-xbw9w 0/1      ImagePullBackOff 0            31m
```

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nginx-deployment-58cdc7b878-khdfc 1/1 Running 0 75m
nginx-deployment-58cdc7b878-v6cgf 1/1 Running 0 75m
react-ecommerce-6c7d8b99f7-v6nkm 0/1 ImagePullBackOff 0 31m
react-ecommerce-6c7d8b99f7-xbw9w 0/1 ImagePullBackOff 0 31m
ubuntu1@ubuntu1:~$ kubectl delete pods
error: resource(s) were provided, but no name was specified
ubuntu1@ubuntu1:~$ kubectl delete pods nginx-deployment-58cdc7b878-4m62v
pod "nginx-deployment-58cdc7b878-4m62v" deleted

ubuntu1@ubuntu1:~$
ubuntu1@ubuntu1:~$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-58cdc7b878-9cgth 1/1     Running   0          10s
nginx-deployment-58cdc7b878-khdfc 1/1     Running   0          77m
nginx-deployment-58cdc7b878-v6cgf 1/1     Running   0          77m
react-ecommerce-6c7d8b99f7-v6nkm 0/1     ImagePullBackOff 0          33m
react-ecommerce-6c7d8b99f7-xbw9w 0/1     ImagePullBackOff 0          33m
ubuntu1@ubuntu1:~$ kubectl expose deployment nginx-deployment --type=NodePort --port=80
error: unknown flag: --Port
See 'kubectl expose --help' for usage.
ubuntu1@ubuntu1:~$ kubectl expose deployment nginx-deployment --type=NodePort --port=80
service/nginx-deployment exposed
ubuntu1@ubuntu1:~$ kubectl get services
NAME            TYPE        CLUSTER-IP    EXTERNAL-IP  PORT(S)          AGE
kubernetes      ClusterIP   10.96.0.1     <none>       443/TCP          24h
nginx-deployment NodePort    10.107.95.167 <none>       80:31569/TCP    3m5s
react-ecommerce-service NodePort    10.111.176.203 <none>       80:30007/TCP    176m
ubuntu1@ubuntu1:~$ minikube ip
192.168.49.2
ubuntu1@ubuntu1:~$ curl ^C
ubuntu1@ubuntu1:~$ curl 192.168.49.2:31569
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tohoma, 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>
ubuntu1@ubuntu1:~$
```

ActivitiesTerminalMar 20 11:19ubuntu1@ubuntu1: ~/capstone

GNU nano 6.2deployment.yml *

apiVersion: apps/v1
kind: Deployment
metadata:
 name: react-e-commerce-deployment
 labels:
 app: react-e-commerce
spec:
 replicas: 2
 selector:
 matchLabels:
 app: react-e-commerce
 template:
 metadata:
 labels:
 app: react-e-commerce
 spec:
 containers:
 - name: react-e-commerce
 image: mayilanandhand/ecommerce:latest
 ports:
 - containerPort: 80

apiVersion: v1
kind: Service
metadata:
 name: react-e-commerce-service
spec:
 selector:
 app: react-e-commerce
 ports:
 - protocol: TCP
 port: 80
 targetPort: 80
 nodePort: 30007
 type: NodePort

To suspend, type ^T^Z

HelpExitWrite OutRead FileWhere IsReplaceCutPasteExecuteJustifyLocationGo To LineUndoRedoSet MarkCopyTo BracketWhere WasPreviousNextBackForward

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ubuntu1@ubuntu1:~/capstone$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:6e:b4:e8 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
        valid_lft 83261sec preferred_lft 83261sec
    inet6 fe80::222b:f32b:5530:8faa/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 3a:dd:1e:a9:ab:8a brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
4: br-4a9a3328018a: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether ea:cf:57:e2:b6:fa brd ff:ff:ff:ff:ff:ff
    inet 192.168.49.1/24 brd 192.168.49.255 scope global br-4a9a3328018a
        valid_lft forever preferred_lft forever
ubuntu1@ubuntu1:~/capstone$ kubectl create deployment.yml
error: Unexpected args: [deployment.yml]
See 'kubectl create -h' for help and examples
ubuntu1@ubuntu1:~/capstone$ kubectl create -f deployment.yml
error: the path "deployment.yml" does not exist
ubuntu1@ubuntu1:~/capstone$ kubectl create -f deployment.yml
error: error validating "deployment.yml": error validating data: failed to download openapi: Get "https://192.168.49.2:8443/openapi/v2?timeout=32s": dial tcp 192.168.49.2:8443: connect: no route to host; if you choose to ignore these errors, turn validation off with --validate=false
ubuntu1@ubuntu1:~/capstone$ kubectl get services
E0320 11:30:32.311654 6492 memcache.go:265] "Unhandled Error" err="couldn't get current server API group list: Get \"https://192.168.49.2:8443/api?timeout=32s\": dial tcp 192.168.49.2:8443: connect: no route to host"
E0320 11:30:35.382021 6492 memcache.go:265] "Unhandled Error" err="couldn't get current server API group list: Get \"https://192.168.49.2:8443/api?timeout=32s\": dial tcp 192.168.49.2:8443: connect: no route to host"
E0320 11:30:38.453909 6492 memcache.go:265] "Unhandled Error" err="couldn't get current server API group list: Get \"https://192.168.49.2:8443/api?timeout=32s\": dial tcp 192.168.49.2:8443: connect: no route to host"
E0320 11:30:41.526660 6492 memcache.go:265] "Unhandled Error" err="couldn't get current server API group list: Get \"https://192.168.49.2:8443/api?timeout=32s\": dial tcp 192.168.49.2:8443: connect: no route to host"
E0320 11:30:44.596830 6492 memcache.go:265] "Unhandled Error" err="couldn't get current server API group list: Get \"https://192.168.49.2:8443/api?timeout=32s\": dial tcp 192.168.49.2:8443: connect: no route to host"
Unable to connect to the server: dial tcp 192.168.49.2:8443: connect: no route to host
ubuntu1@ubuntu1:~/capstone$ ls
build build.sh deployment.yml deploy.sh docker-compose.yml Dockerfile Jenkinsfile
ubuntu1@ubuntu1:~/capstone$ minikube status
minikube
type: Control Plane
host: Stopped
kubelet: Stopped
apiserver: Stopped
kubeconfig: Stopped
ubuntu1@ubuntu1:~/capstone$ minikube start
🐳 minikube v1.35.0 on Ubuntu 22.04 (vbox/amd64)
🔧 Using the docker driver based on existing profile
👉 Starting "minikube" primary control-plane node in "minikube" cluster
📶 Pulling base image v0.0.0
```