

Mar 20 9:55 AM

Screenshot Just now

Screenshot captured
You can paste the image from the clipboard.

```
<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>  
abdurrahman@abdur:~$ cat service.yml  
apiVersion: v1  
kind: Service  
metadata:  
  name: nginx-login-service  
spec:  
  type: NodePort  
  selector:  
    app: nginx-login  
  ports:  
    - protocol: TCP  
      port: 80  
      targetPort: 80  
      nodePort: 30080  
abdurrahman@abdur:~$ cat deployment.yml  
apiVersion: apps/v1  
kind: Deployment  
metadata:  
  name: nginx-login  
spec:  
  replicas: 1  
  selector:  
    matchLabels:  
      app: nginx-login  
  template:  
    metadata:  
      labels:  
        app: nginx-login  
    spec:  
      containers:  
        - name: nginx-login  
          image: nginx:latest  
          ports:  
            - containerPort: 80  
abdurrahman@abdur:~$
```

```
Mar 20 9:55 AM
abdurrahman@abdur:~
abdurrahman@abdur:~$ curl 10.96.0.1:30008
^C
abdurrahman@abdur:~$ minikube ip
192.168.49.2
abdurrahman@abdur:~$ curl 192.168.49.2:30008
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
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>

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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>
abdurrahman@abdur:~$ cat service.yml
apiVersion: v1
kind: Service
metadata:
  name: nginx-login-service
spec:
  type: NodePort
  selector:
    app: nginx-login
  ports:
    - protocol: TCP
      port: 80
      targetPort: 80
      nodePort: 30008
abdurrahman@abdur:~$ cat deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
```

```
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Screenshot captured
You can paste the image from the clipboard.

abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           2m18s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m18s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           11s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m21s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           14s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m24s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           15s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m25s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           19s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m29s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           21s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m31s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           22s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m32s
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         0/1     ContainerCreating   0           22s
nginx-login-bd9d9fc96-hvpmf         0/1     ImagePullBackOff    0           2m32s
abdurrahman@abdur:~$ kubectl delete pod nginx-login-bd9d9fc96-hvpmf
Error from server (NotFound): pods "nginx-login-bd9d9fc96-hvpmf" not found
abdurrahman@abdur:~$ kubectl delete pods nginx-login-bd9d9fc96-hvpmf
Error from server (NotFound): pods "nginx-login-bd9d9fc96-hvpmf" not found
abdurrahman@abdur:~$ kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
nginx-login-b6fd8c4cf-67l75         1/1     Running            0           48s
abdurrahman@abdur:~$ kubectl get svc
NAME      TYPE      CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
kubernetes ClusterIP  10.96.0.1      <none>         443/TCP     50d
nginx-login-service NodePort  10.110.77.104 <none>        80:30008/TCP 2m11s
abdurrahman@abdur:~$ curl 10.110.77.104:30008
^C
abdurrahman@abdur:~$ curl 10.96.0.1:30008
^C
```

```

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abdurrahman@abdur: ~

abdurrahman@abdur:~$ minikube start
minikube v1.35.0 on Ubuntu 24.04
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Restarting existing docker container for "minikube" ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Verifying Kubernetes components...
  ■ Using image gcr.io/k8s-minikube/storage-provisioner:v5
  ■ Using image docker.io/kubernetes/metrics-scraper:v1.0.8
  ■ Using image docker.io/kubernetes/dashboard:v2.7.0
Some dashboard features require the metrics-server addon. To enable all features please run:

    minikube addons enable metrics-server

Enabled addons: storage-provisioner, dashboard, default-storageclass
Done! kubectll is now configured to use "minikube" cluster and "default" namespace by default
abdurrahman@abdur:~$ vi deployment.yaml
abdurrahman@abdur:~$ vi service.yaml
abdurrahman@abdur:~$ kubectl apply -f deployment.yaml
deployment.apps/nginx-login created
abdurrahman@abdur:~$ kubectl apply -f service.yaml
error: the path "service.yaml" does not exist
abdurrahman@abdur:~$ ls
aws      deployment.yaml  Devops    Downloads  FullstackProjects  Pictures  projects  service.yaml  Templates
awscli.v2.zip  Desktop         Documents 'DSA Qns'  Music        pod.yaml   Public    snap          Videos
abdurrahman@abdur:~$ kubectl apply -f service.yaml
error: resource mapping not found for name: "nginx-login-service" namespace: "" from "service.yaml": no matches for kind "Service" in version "apps/v1"
ensure CRDs are installed first
abdurrahman@abdur:~$ vi service.yaml
abdurrahman@abdur:~$ kubectl apply -f service.yaml
service/nginx-login-service created
abdurrahman@abdur:~$ kubectl get svc
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP  PORT(S)          AGE
kubernetes          ClusterIP   10.96.0.1        <none>       443/TCP          50d
nginx-login-service  NodePort    10.110.77.104    <none>       80:30008/TCP     7s
abdurrahman@abdur:~$ kubectl get deployments
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
nginx-login         0/1     1             0           76s
abdurrahman@abdur:~$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
nginx-login-bd9d9fc96-hvpmf  0/1     ImagePullBackOff  0           85s
abdurrahman@abdur:~$ kubectl apply -f deployment.yaml
deployment.apps/nginx-login unchanged
abdurrahman@abdur:~$ vi deployment.yaml
abdurrahman@abdur:~$ kubectl apply -f deployment.yaml
deployment.apps/nginx-login configured

```

