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sion Servers Tools Games Sessions View Split MultiExec Tunneling Packages Set

A 2.root@menna:~ × +

root@menna:~# kubectl create ns world
namespace/world created
root@menna:~#
```

```
apiVersion: apps/v1
kind: Deployment
metadata:
 creationTimestamp: null
  labels:
    app: europe
  name: europe
  namespace: world
spec:
  replicas: 2
  selector:
    matchLabels:
      app: europe
  strategy: {}
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: europe
    spec:
      containers:
      - image: husseingalal/europe:latest
        name: europe
        resources: {}
status: 🔢
```

```
👔 🗸 🖳 2. root@menna: ~
                       × \(+)
apiVersion: apps/v1
kind: Deployment
metadata:
  creationTimestamp: null
  labels:
    app: africa
  name: africa
  namespace: world
spec:
  replicas: 2
  selector:
    matchLabels:
      app: africa
  strategy: {}
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: africa
    spec:
      containers:
      - image: husseingalal/africa:latest
        name: africa
        resources: {}
status: {}
```

root@menna:~# kubectl get	pods -n	world		
NAME	READY	STATUS	RESTARTS	AGE
europe-77bfdcc76c-psqgn	1/1	Running	0	6m15s
europe-77bfdcc76c-xsrdx	1/1	Running	0	6m15s
africa-896d94859-tvxjq	1/1	Running	0	113s
africa-896d94859-b87wn	1/1	Running	0	113s
root@menna:~#				

```
root@menna:~# kubectl expose deployment/europe -n world --port 8888 --target-port 80
service/europe exposed
root@menna:~# kubectl expose deployment/africa -n world --port 8888 --target-port 80
service/africa exposed
root@menna:~# kubectl get services -n world
         TYPE
NAME
                      CLUSTER-IP
                                        EXTERNAL-IP
                                                        PORT(S)
                                                                    AGE
europe
         ClusterIP
                      10.43.151.225
                                        <none>
                                                        8888/TCP
                                                                    28s
africa
         ClusterIP
                       10.43.173.244
                                                        8888/TCP
                                                                    16s
                                        <none>
```

c.

root@menna:~#

```
🗸 🛂 2. root@menna: ~
                        × \ 3. root@menna:
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: world
  namespace: world
spec:
  rules:
    - host: world.universe.mine
      http:
        paths:
           - backend:
              service:
                name: africa
                port:
                  number: 8888
             path: /africa/
             pathType: Prefix
           backend:
              service:
                name: europe
                port:
                  number: 8888
             path: /europe/
             pathType: Prefix
"ingress.yaml" 25L, 523B
```

```
root@menna:~# kubectl apply -f ingress.yaml
ingress.networking.k8s.io/world created
root@menna:~# vim /etc/hosts
root@menna:~# curl world.universe.mine
404 page not found
root@menna:~# curl http://world.universe.mine/europe/
<html>
<head><title>404 Not Found</title></head>
<body>
<center><h1>404 Not Found</h1></center>
<hr><center>nginx/1.23.4</center>
</body>
</html>
root@menna:~# curl http://world.universe.mine/africa/
<head><title>404 Not Found</title></head>
<body>
<center><h1>404 Not Found</h1></center>
<hr><center>nginx/1.23.4</center>
</body>
</html>
root@menna:~#
```