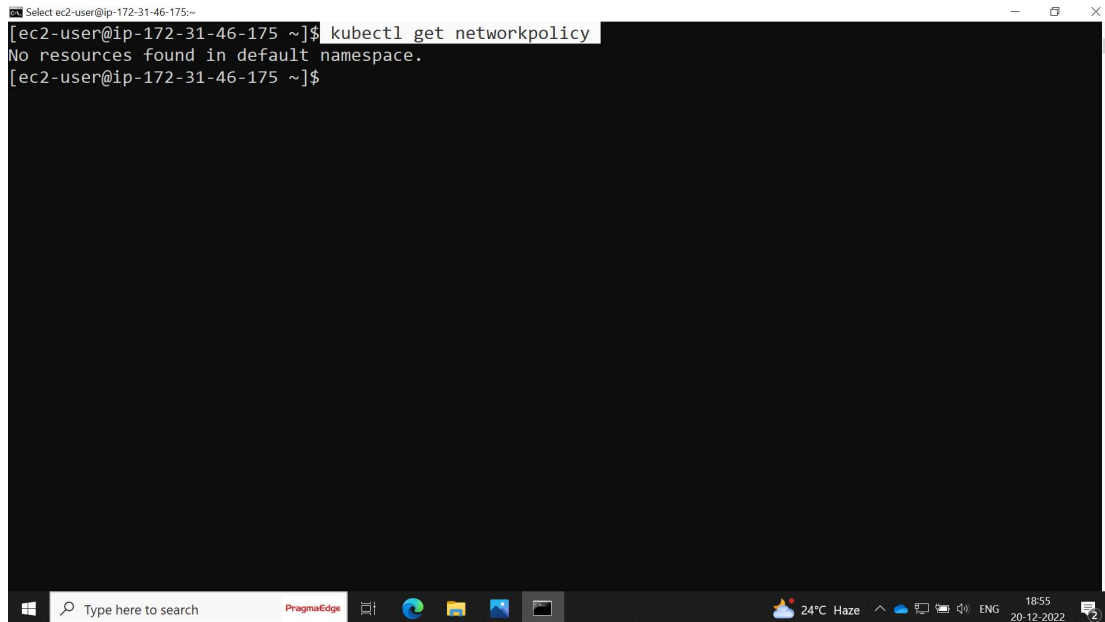
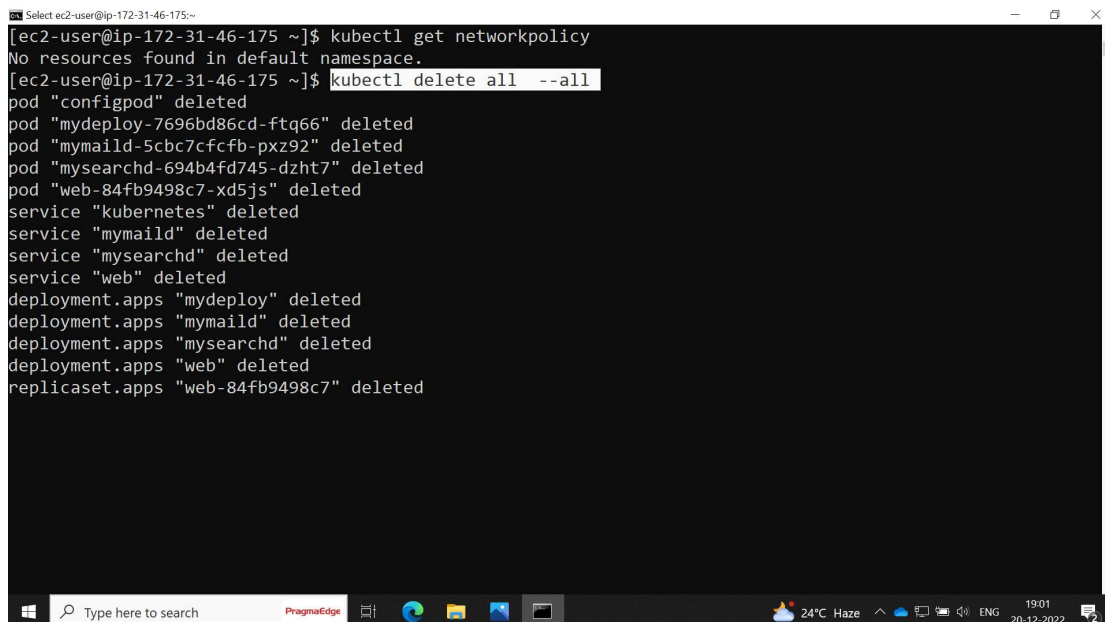


```
Select ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ kubectl get networkpolicy
No resources found in default namespace.
[ec2-user@ip-172-31-46-175 ~]$
```



```
Select ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ kubectl get networkpolicy
No resources found in default namespace.
[ec2-user@ip-172-31-46-175 ~]$ kubectl delete all --all
pod "configpod" deleted
pod "mydeploy-7696bd86cd-ftq66" deleted
pod "mymaild-5cbc7cfcfb-pxz92" deleted
pod "mysearchd-694b4fd745-dzht7" deleted
pod "web-84fb9498c7-xd5js" deleted
service "kubernetes" deleted
service "mymaild" deleted
service "mysearchd" deleted
service "web" deleted
deployment.apps "mydeploy" deleted
deployment.apps "mymaild" deleted
deployment.apps "mysearchd" deleted
deployment.apps "web" deleted
replicaset.apps "web-84fb9498c7" deleted
```



```
ec2-user@ip-172-31-46-175:~$ kubectl create deploy myd --image=vimal13/apache-webserver-php
deployment.apps/myd created
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pod
NAME          READY   STATUS    RESTARTS   AGE
myd-7d544fd8bc-rhnct  1/1     Running   0           22s
[ec2-user@ip-172-31-46-175 ~]$
```

```
ec2-user@ip-172-31-46-175:~$ kubectl create deploy myd --image=vimal13/apache-webserver-php
deployment.apps/myd created
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pod
NAME          READY   STATUS    RESTARTS   AGE
myd-7d544fd8bc-rhnct  1/1     Running   0           22s
[ec2-user@ip-172-31-46-175 ~]$ kubectl expose deploy myd --type=NodePort --port=80
service/myd exposed
[ec2-user@ip-172-31-46-175 ~]$ minikube ip
192.168.49.2
[ec2-user@ip-172-31-46-175 ~]$ kubectl get svc
NAME      TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
kubernetes  ClusterIP   10.96.0.1     <none>        443/TCP          2m36s
myd        NodePort    10.111.223.47 <none>        80:32494/TCP     20s
[ec2-user@ip-172-31-46-175 ~]$ curl 192.168.49.2:32494
<body bgcolor='aqua'>
<pre>
welcome to vimal web server for testing
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 172.17.0.2 netmask 255.255.0.0 broadcast 172.17.255.255
ether 02:42:ac:11:00:02 txqueuelen 0 (Ethernet)
RX packets 4 bytes 330 (330.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 3 bytes 182 (182.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
```



```
Select ec2-user@ip-172-31-46-175~  
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pods --show-labels  
NAME          READY   STATUS    RESTARTS   AGE   LABELS  
myd-7d544fd8bc-rhnc 1/1     Running   0          2m39s app=myd,pod-template-hash=7d544fd8bc  
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pods -l app=myd  
NAME          READY   STATUS    RESTARTS   AGE  
myd-7d544fd8bc-rhnc 1/1     Running   0          3m6s  
[ec2-user@ip-172-31-46-175 ~]$ sudo vim firewall.yml  
[ec2-user@ip-172-31-46-175 ~]$ kubectl create -f firewall.yml  
networkpolicy.networking.k8s.io/mywebsec created  
[ec2-user@ip-172-31-46-175 ~]$ sudo vim firewall.yml  
[ec2-user@ip-172-31-46-175 ~]$
```

```
Select ec2-user@ip-172-31-46-175~  
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pods --show-labels  
NAME          READY   STATUS    RESTARTS   AGE   LABELS  
myd-7d544fd8bc-rhnc 1/1     Running   0          2m39s app=myd,pod-template-hash=7d544fd8bc  
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pods -l app=myd  
NAME          READY   STATUS    RESTARTS   AGE  
myd-7d544fd8bc-rhnc 1/1     Running   0          3m6s  
[ec2-user@ip-172-31-46-175 ~]$ sudo vim firewall.yml  
[ec2-user@ip-172-31-46-175 ~]$ kubectl create -f firewall.yml  
networkpolicy.networking.k8s.io/mywebsec created  
[ec2-user@ip-172-31-46-175 ~]$ sudo vim firewall.yml  
[ec2-user@ip-172-31-46-175 ~]$ kubectl get networkpolicy  
NAME          POD-SELECTOR  AGE  
mywebsec      app=myd       38s  
[ec2-user@ip-172-31-46-175 ~]$
```



```
Select ec2-user@ip-172-31-46-175~  
Namespace: default  
Created on: 2022-12-20 13:43:03 +0000 UTC  
Labels: <none>  
Annotations: <none>  
Spec:  
  PodSelector: app=mys  
  Allowing ingress traffic:  
    To Port: 80/TCP  
    From: <any> (traffic not restricted by source)  
  Not affecting egress traffic  
  Policy Types: Ingress  
[ec2-user@ip-172-31-46-175 ~]$ sudo vim firewall_deny_all.yml  
[ec2-user@ip-172-31-46-175 ~]$ kubectl create -f firewall_deny_all.yml  
networkpolicy.networking.k8s.io/denyall created  
[ec2-user@ip-172-31-46-175 ~]$ sudo vim firewall_deny_all.yml  
[ec2-user@ip-172-31-46-175 ~]$
```

Windows taskbar: Type here to search, PragmaEdge, 24°C Haze, 19:24, 20-12-2022