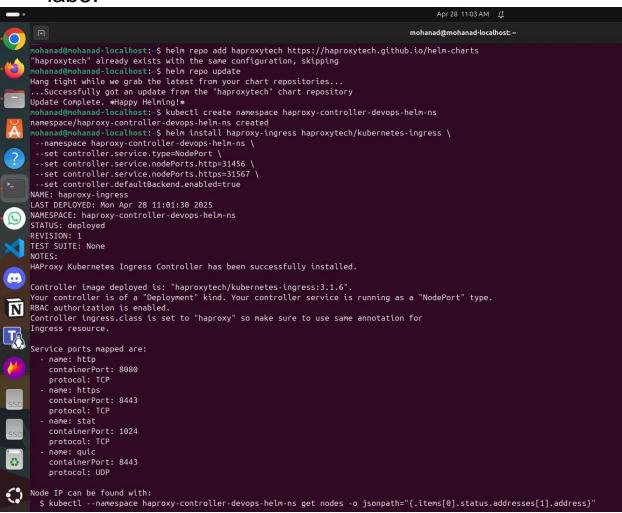
Mohanad Mahmoud Sayed

Helm Task

✓ Firstly, download the haproxy helm chart, and configure the ports of http and https as required in lab5:



```
mohanad@mohanad-localhost: ~
       - name: https
        containerPort: 8443
        protocol: TCP
        name: stat
        containerPort: 1024
        protocol: TCP
        name: quic
        containerPort: 8443
        protocol: UDP
    Node IP can be found with:
      $ kubectl --namespace haproxy-controller-devops-helm-ns get nodes -o jsonpath="{.items[0].status.addresses[1].address}"
    The following ingress resource routes traffic to pods that match the following:
        service name: web
      * client's Host header: webdemo.com
      * path begins with /
      apiVersion: networking.k8s.io/v1
      kind: Ingress
      metadata:
        name: web-ingress
        namespace: default
        annotations:
          ingress.class: "haproxy"
N
      spec:
        - host: webdemo.com
            paths:
             path: /
              backend:
                serviceName: web
                servicePort: 80
    In case that you are using multi-ingress controller environment, make sure to use ingress.class annotation and match it
    with helm chart option controller.ingressClass.
    For more examples and up to date documentation, please visit:
      * Helm chart documentation: https://github.com/haproxytech/helm-charts/tree/main/kubernetes-ingress
      * Controller documentation: https://www.haproxy.com/documentation/kubernetes/latest/
      st Annotation reference: https://github.com/haproxytech/kubernetes-ingress/tree/master/documentation
      * Image parameters reference: https://github.com/haproxytech/kubernetes-ingress/blob/master/documentation/controller.md
    mohanad@mohanad-localhost:~$
```

```
mohanad@mohanad-localhost:-$ kubectl get pods -n haproxy-controller-devops-helm-ns
                                                                      RESTARTS AGE
                                                          STATUS
haproxy-ingress-kubernetes-ingress-b87449cc7-7d85t
                                                                                 4m10s
                                                           Running
                                                                      0
haproxy-ingress-kubernetes-ingress-b87449cc7-qxrzd
                                                                      0
                                                                                 4m10s
                                                           Running
haproxy-ingress-kubernetes-ingress-crdjob-1-gmckx
                                                   0/1
                                                           Completed 0
                                                                                 4m10s
mohanad@mohanad-localhost:-$ kubectl get svc -n haproxy-controller-devops-helm-ns
                                                             EXTERNAL-IP PORT(S)
                                    TYPE
                                              CLUSTER-IP
                                                                                                                                   AGE
                                                                          80:31456/TCP,443:31567/TCP,443:31567/UDP,1024:31485/TCP
                                                                                                                                   4m34s
haproxy-ingress-kubernetes-ingress NodePort 10.96.124.48
                                                             <none>
mohanad@mohanad-localhost:~$
```

Output&Result:

