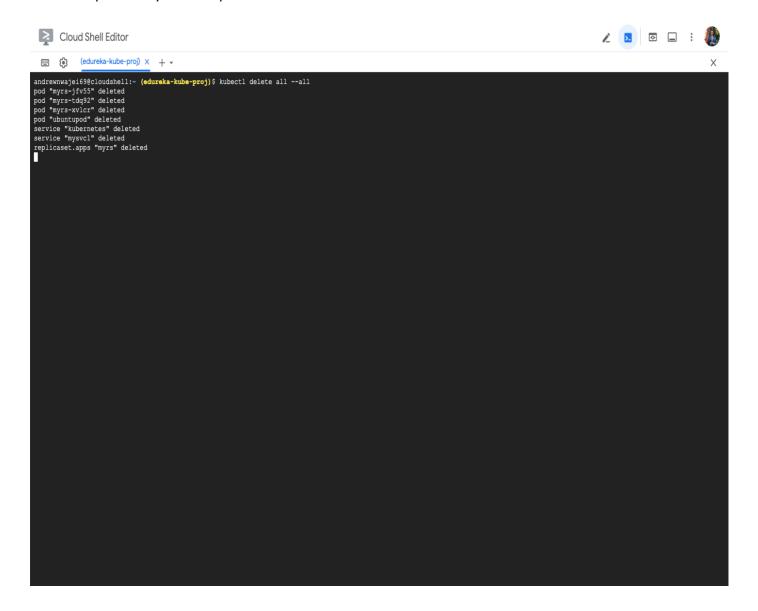
Andrew Nwajei

Creating a Service Object: Using Node Port on GCP

16th March 2023

Delete all previously created pods.

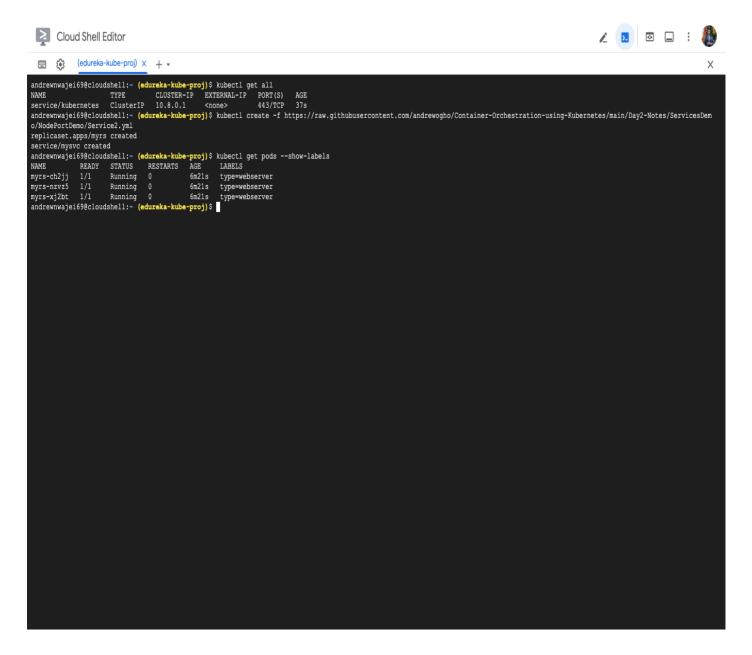


Yaml file to create replicaset and service object with nodeport.

```
apiVersion: apps/vl
kind: ReplicaSet
metadata:
 name: myrs
spec:
  replicas: 3
  selector:
   matchLabels:
  type: webserver
template:
metadata:
    name: mypod
labels:
     type: webserver
   spec:
containers:
      - name: cl
image: leaddevops/kubeserve:vl
apiVersion: v1
kind: Service
metadata:
 name: mysvc
 spec:
 type: NodePort ports:
 - targetPort: 80
port: 80
selector:
type: webserver
```

Create Service.

Commands showing created service and its label type.

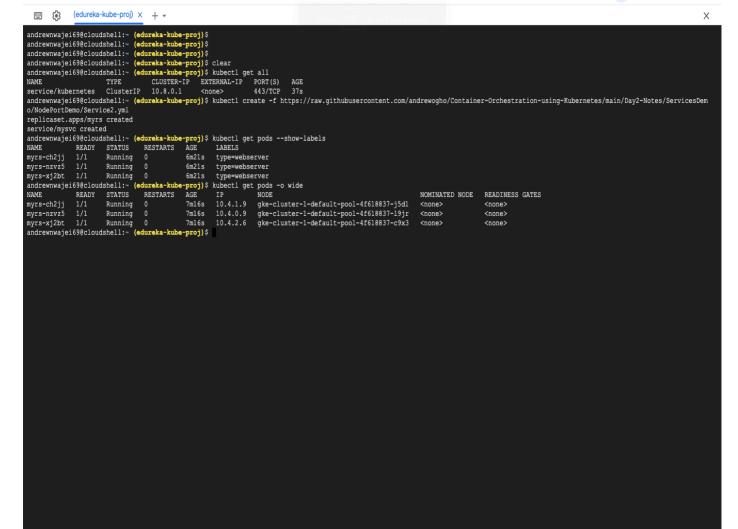




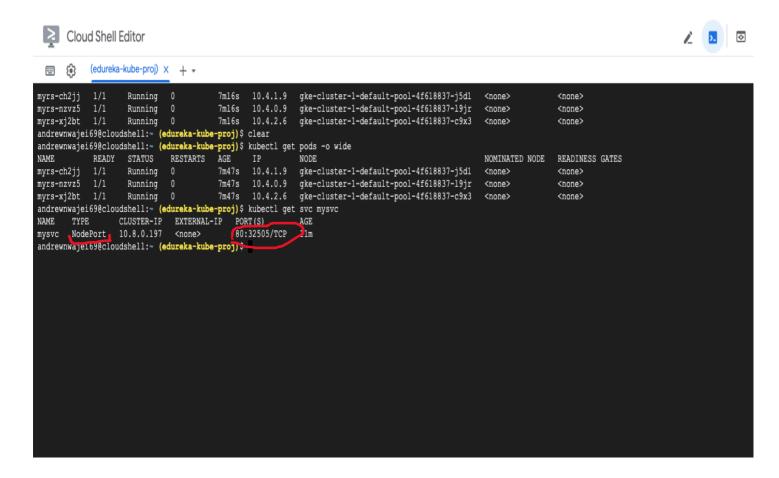




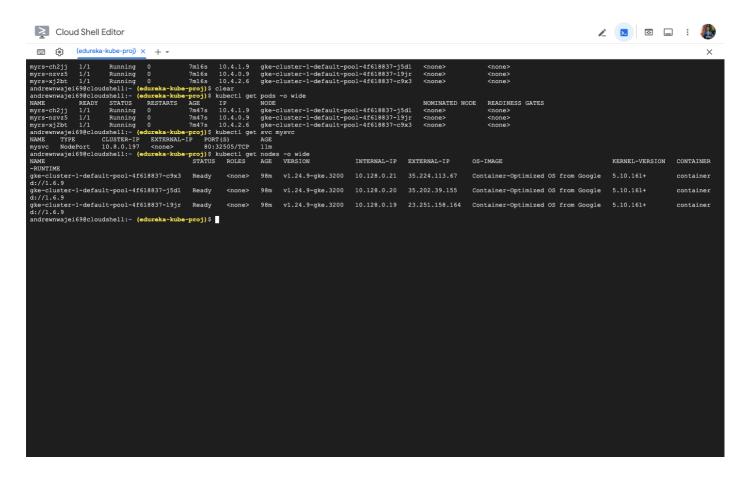




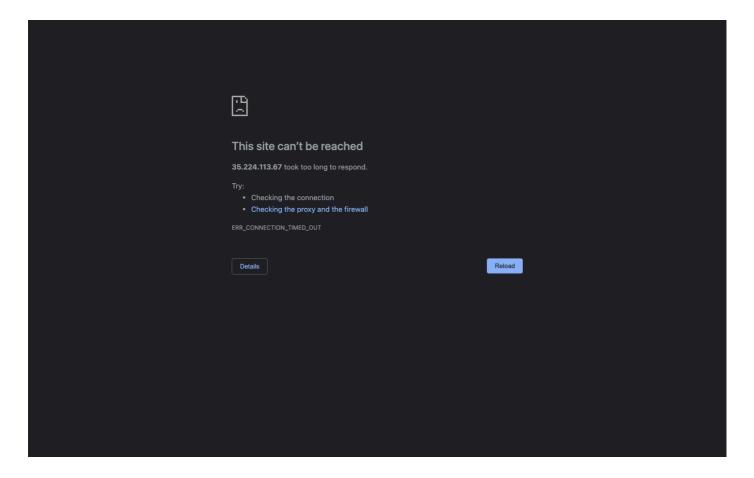
Kubectl get svc <name of service created>: To show the node port number created for accessing pod as a user/ from the internet.



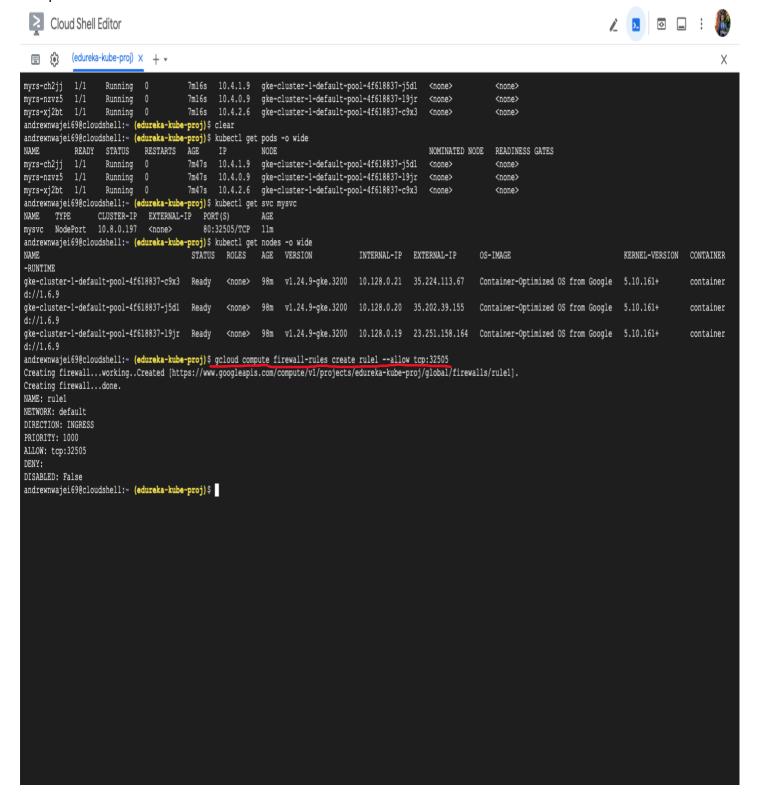
Give command to get the details of the node and copy the external-IP addresses to use it to be able to access the node from the internet or external server.



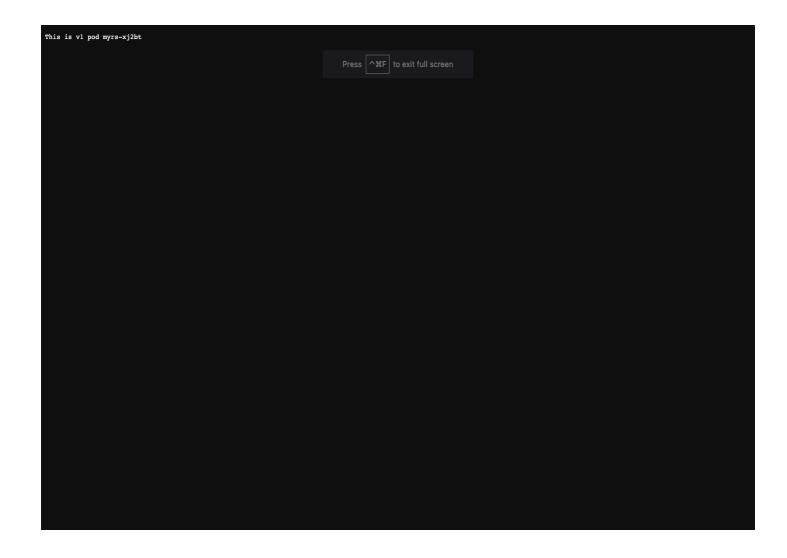
Failure of site to be accessed because the on Google Cloud provider the node firewall needs to be opened.



Give the command: gcloud compute firewall-rules create rule1 --allow tcp:32505, to allow the node port to be opened and accessed.



One of my created replicaset pods being accessed through the internet by using: http://35.224.113.67:32505/



The End.