Exercise - NodePort

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Date: 21 September 2024

Q1

Create a NodePort service to expose a pod named my-pod on port 8080, with the NodePort set to 30080.

```
controlplane $
controlplane $ k run my-pod --image=nginx --port=8080
pod/my-pod created
controlplane $
controlplane $ k get pods
NAME      READY   STATUS    RESTARTS   AGE
my-pod    1/1     Running   0          23s
controlplane $
```

```
  GNU nano 4.8
apiVersion: v1
kind: Service
metadata:
  creationTimestamp: null
  labels:
    app: my-pod-nodeport
  name: my-pod-nodeport
spec:
  ports:
  - name: my-pod-nodeport
    nodePort: 30080
    port: 8080
    protocol: TCP
    targetPort: 8080
  selector:
    app.kubernetes.io/name: my-pod
  type: NodePort
status:
  loadBalancer: {}
```

```
controlplane $
controlplane $ k create svc nodeport my-pod-nodeport --node-port=30080 --tcp=8080 --dry-run=client -o yaml > svc.yaml
controlplane $
controlplane $ nano svc.yaml
controlplane $
controlplane $ k apply -f svc.yaml
service/my-pod-nodeport created
controlplane $
controlplane $ k get svc
NAME              TYPE        CLUSTER-IP     EXTERNAL-IP   PORT(S)          AGE
kubernetes        ClusterIP   10.96.0.1      <none>        443/TCP          11d
my-pod-nodeport   NodePort    10.98.76.94    <none>        8080:30080/TCP   5s
controlplane $
```