Services

Services let you actually expose your app over the internet.

Nodeport

- Create a `Nodeport` service (service.yml)

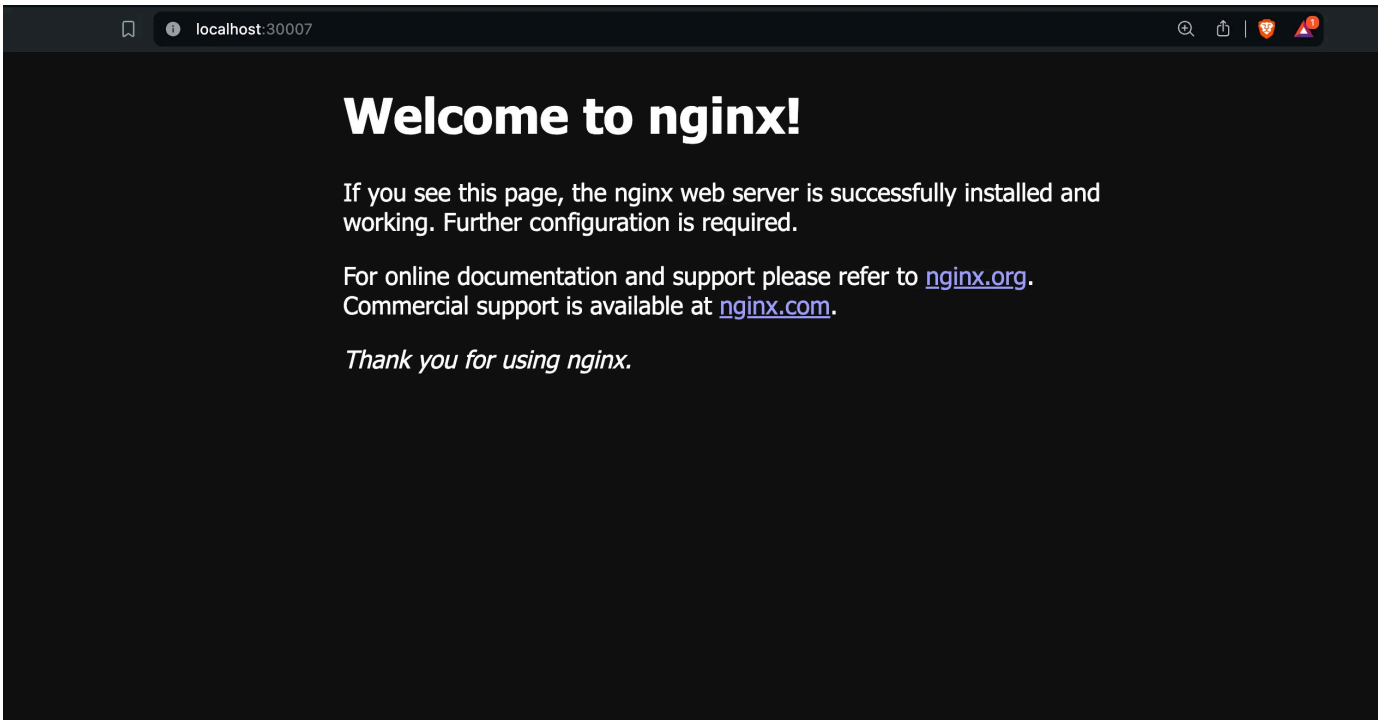
```yaml
apiVersion: v1
kind: Service
metadata:
  name: nginx-service
spec:
  selector:
    app: nginx
  ports:
    - protocol: TCP
      port: 80
      targetPort: 80
      nodePort: 30007  # This port can be any valid port within the NodePort rang
  type: NodePort
```

- Apply it

```
kubectl apply -f service.yml
```

- Visit any of the nodes on 30007

```
http://localhost:30007/
```



💡 This will only work if you've started your `kind` cluster with the config from slide 2
On vultr, it will just work

LoadBalancer (will only work on a cloud provider)

The `LoadBalancer` service type is designed to work with cloud providers to create an external load balancer that routes traffic to the service.

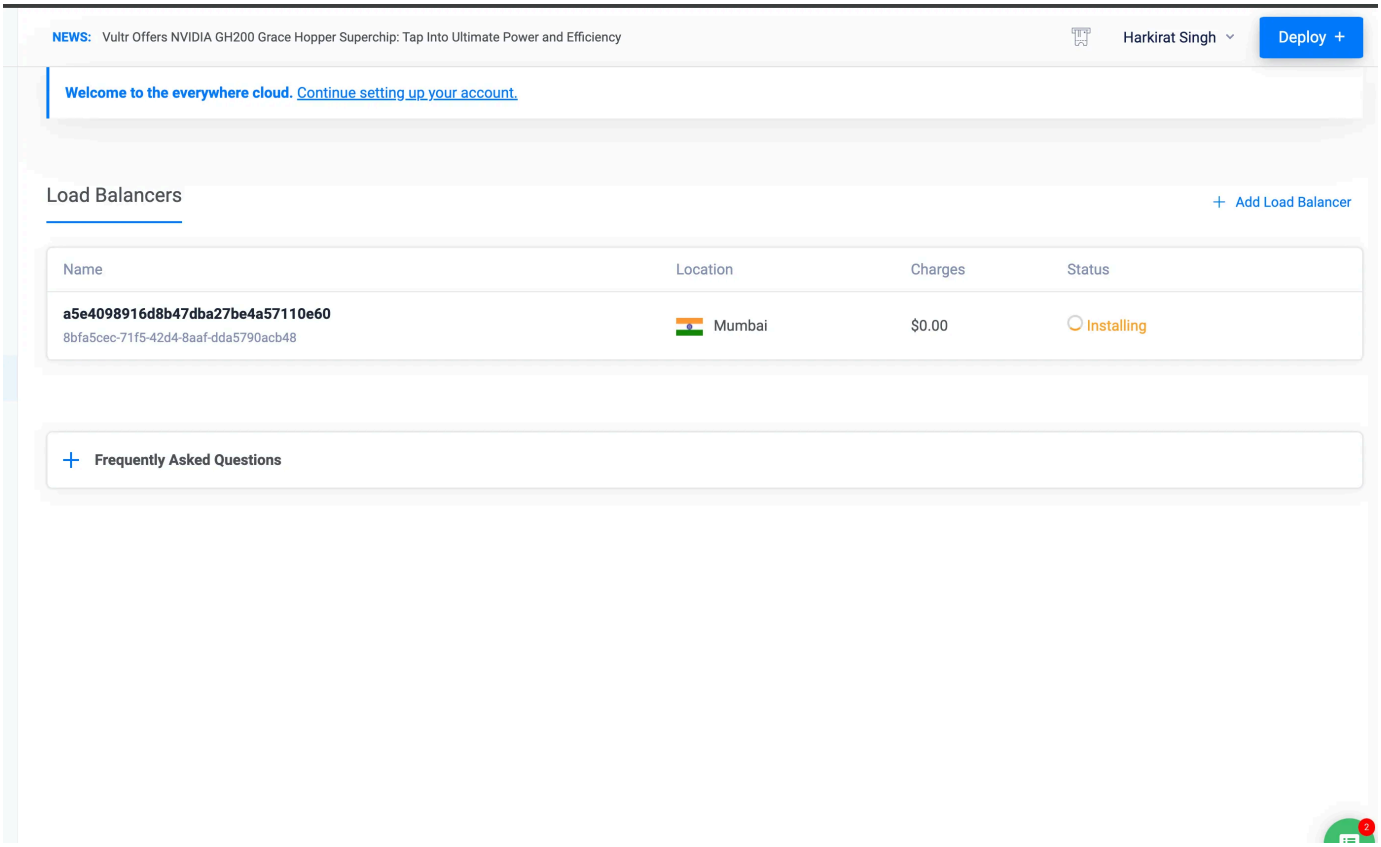
- Replace the `type` to be `LoadBalancer`

```yaml
apiVersion: v1
kind: Service
metadata:
  name: nginx-service
spec:
  selector:
    app: nginx
  ports:
    - protocol: TCP
      port: 80
      targetPort: 80
```

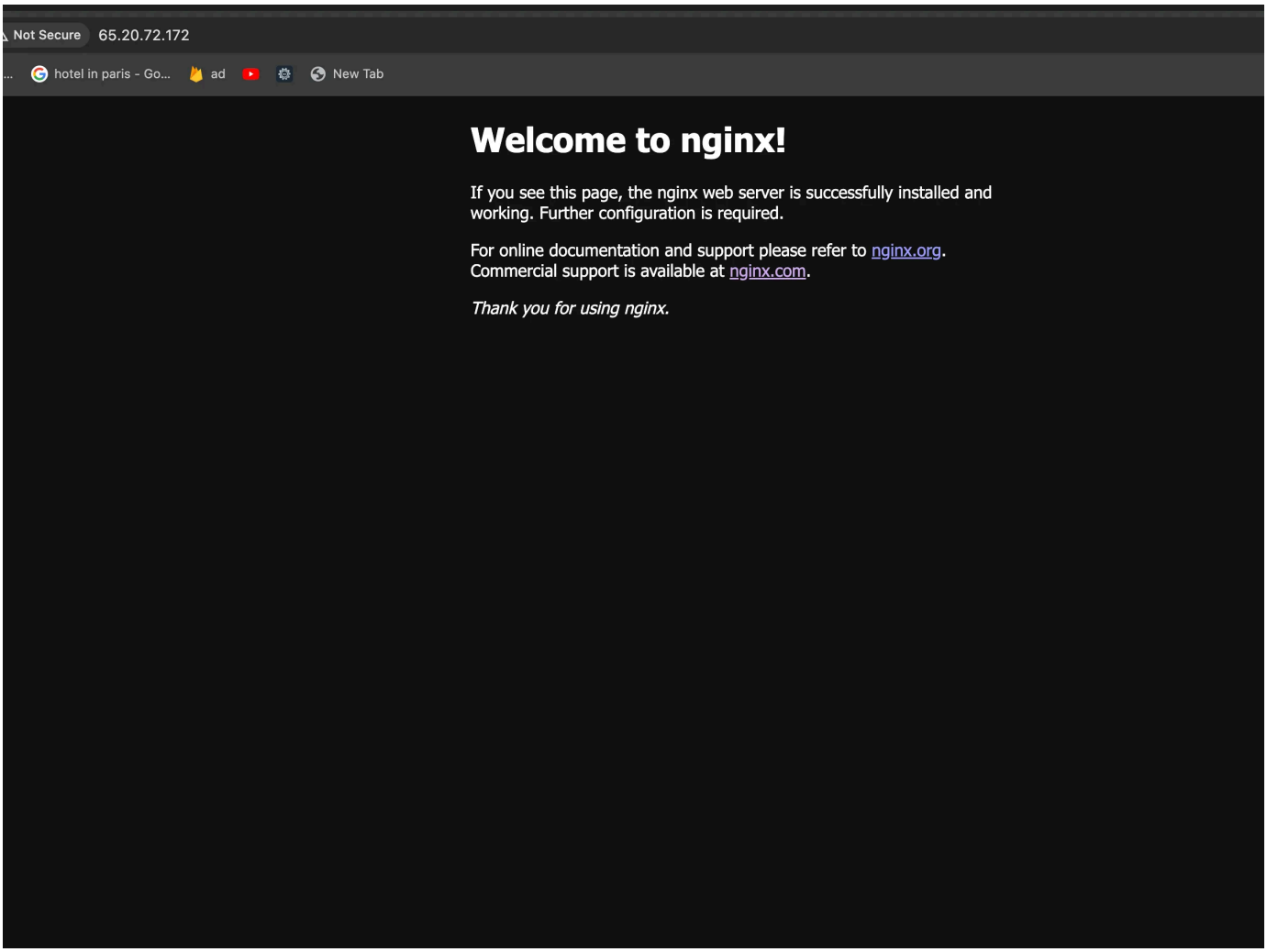
- Re-apply the config

```
kubectl apply -f service.yml
```

- See the loadbalancer created on the dashboard



- Visit the balancer to see the website


Not Secure
65.20.72.172
hotel in paris - Go...
ad
New Tab
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.