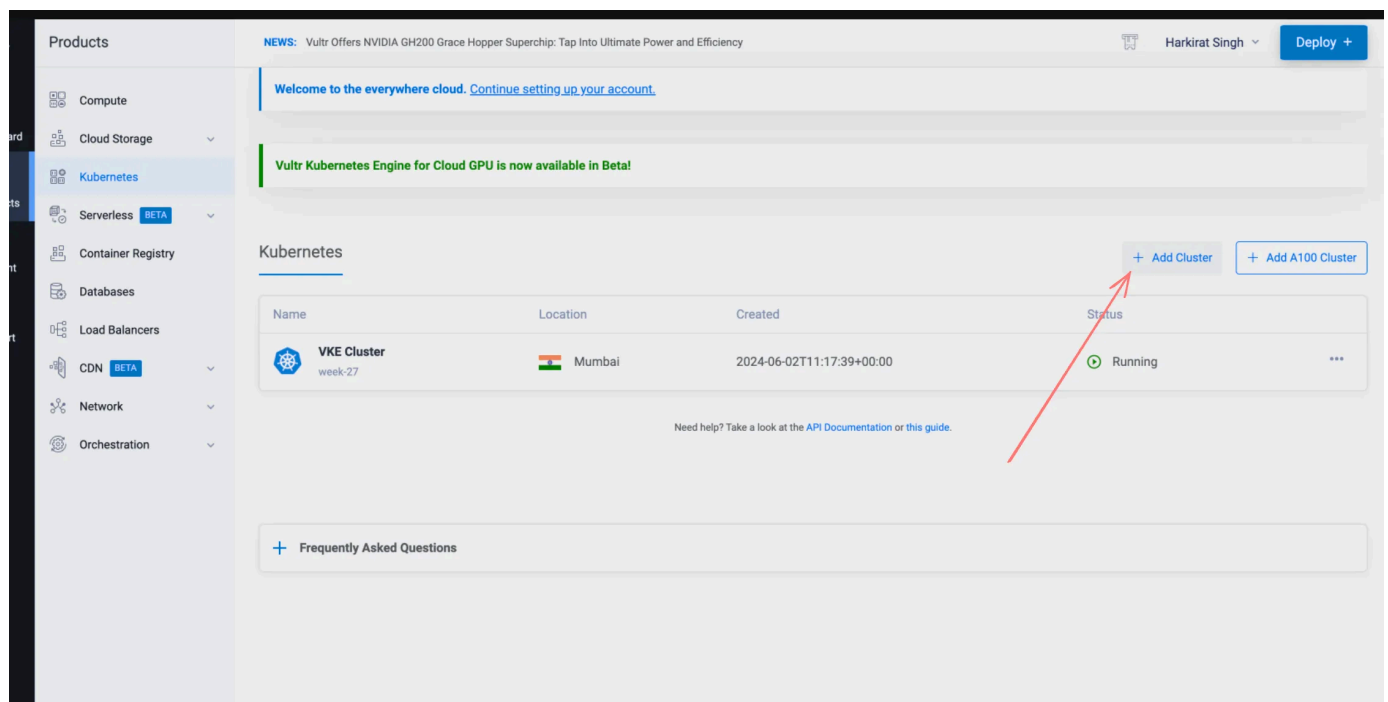


Loadbalancer service

In Kubernetes, a LoadBalancer service type is a way to expose a service to external clients. When you create a Service of type LoadBalancer, Kubernetes will automatically provision an **external** load balancer from your cloud provider (e.g., AWS, Google Cloud, Azure) to route traffic to your Kubernetes service

Creating a kubernetes cluster in vultr



- Create deployment.yml

```
apiVersion: apps/v1
kind: Deployment
```



```
spec:
```

```
replicas: 3
selector:
  matchLabels:
    app: nginx
template:
  metadata:
    labels:
      app: nginx
spec:
  containers:
  - name: nginx
    image: nginx:latest
    ports:
    - containerPort: 80
```

- Apply deployment

```
kubectl apply -f deployment.yml
```



- Create `service-lb.yml`

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



- Apply the service

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



