

# Kubernetes

# Today's Agenda

- What is Kubernetes
- Architecture Kubernetes
- Installing minikube
- Running a Wordpress application and accessing it.
- Introduction to EKS.



# Kubernetes

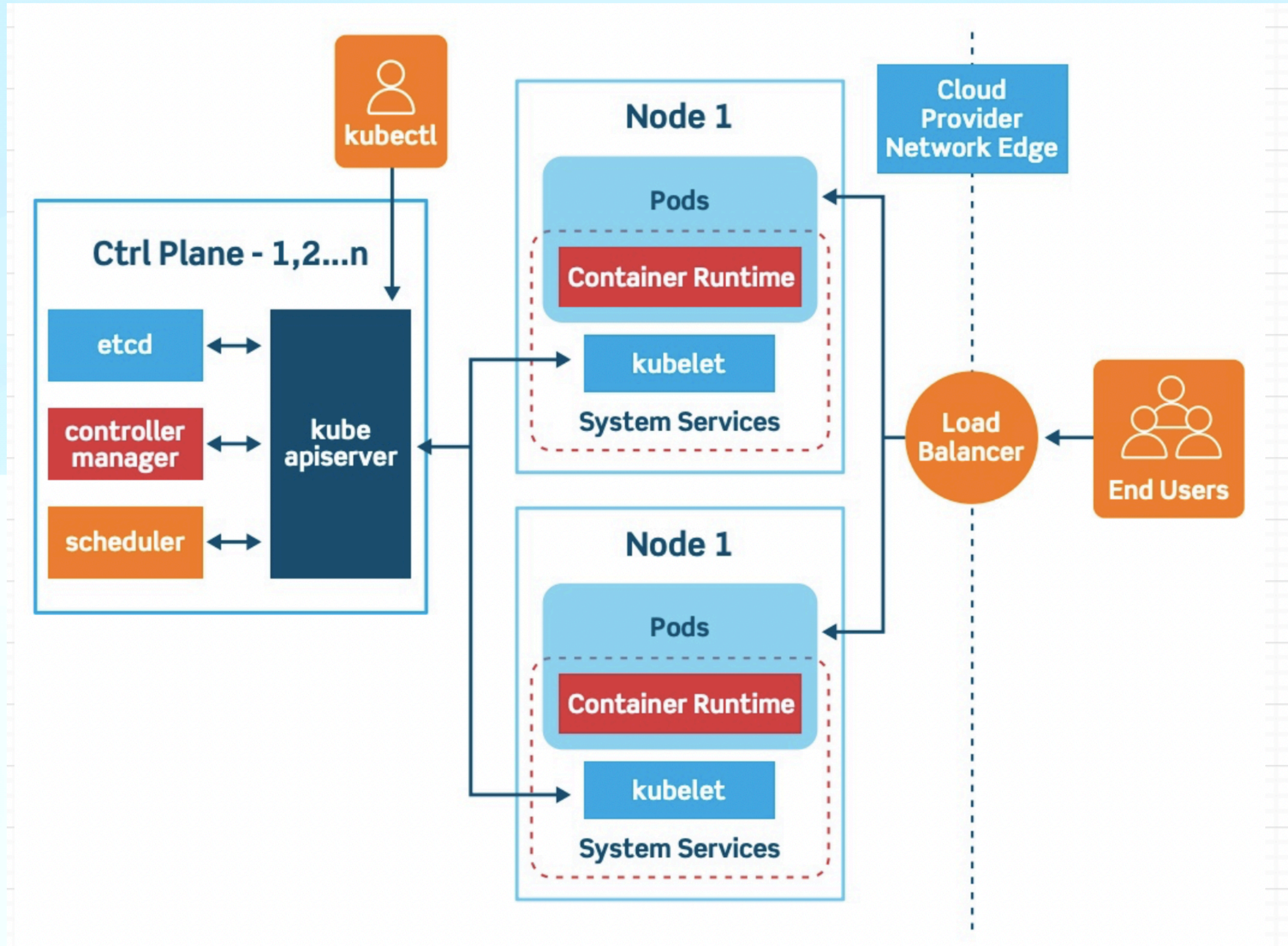
- Orchestrates the containers.
- Provides lot of controls and flexibility.
- Can be used in On-Prem and Cloud.

# Kubernetes Key-Terms

- Cluster
- Node
- Master Node
- Worker Nodes
- Master Node Components:
  - API Server, ETCD, Controller and Scheduler
- Worker Node Components:
  - Kubelet, Kube-Proxy, Pods, Services, etc.

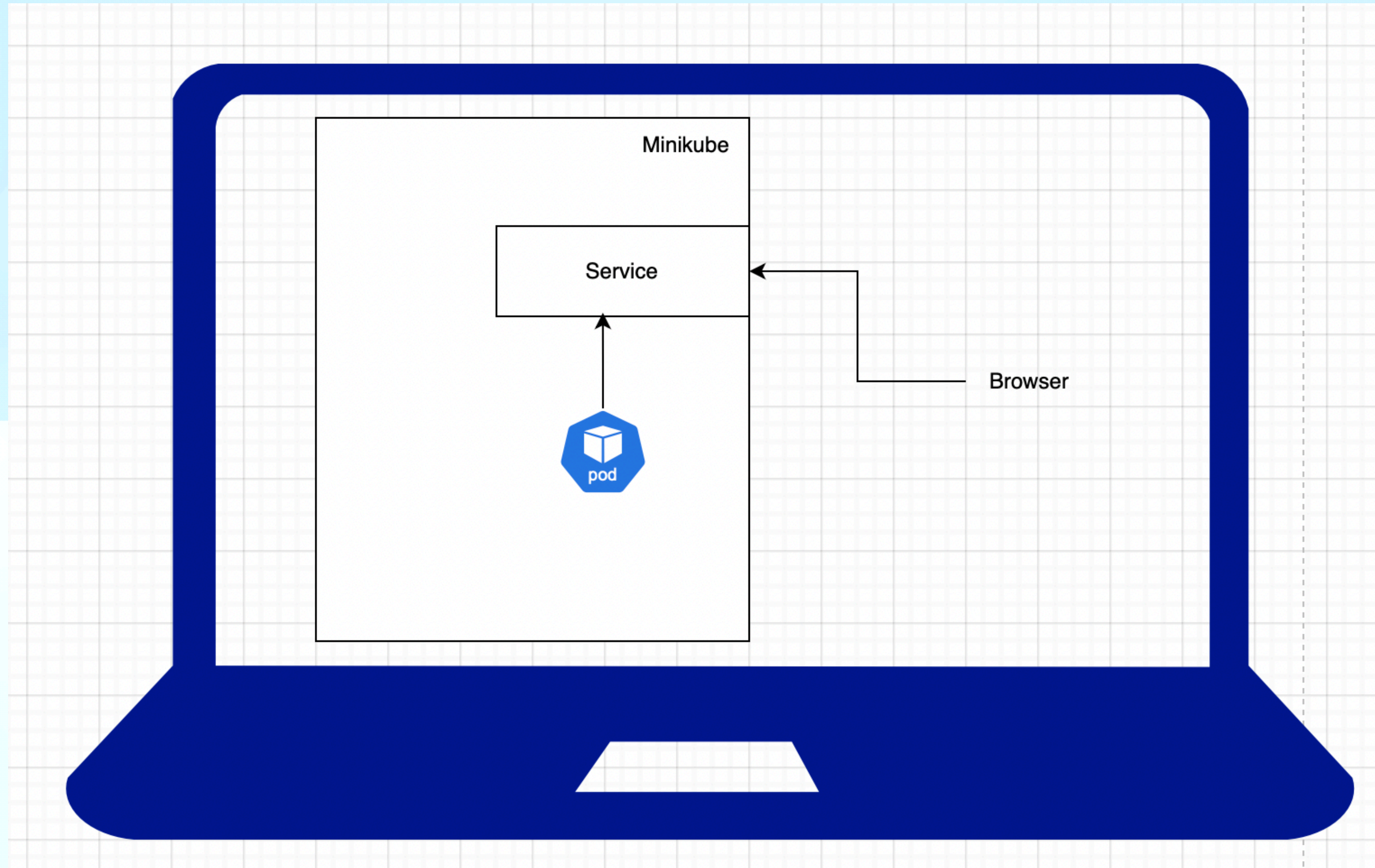


# Kubernetes Architecture



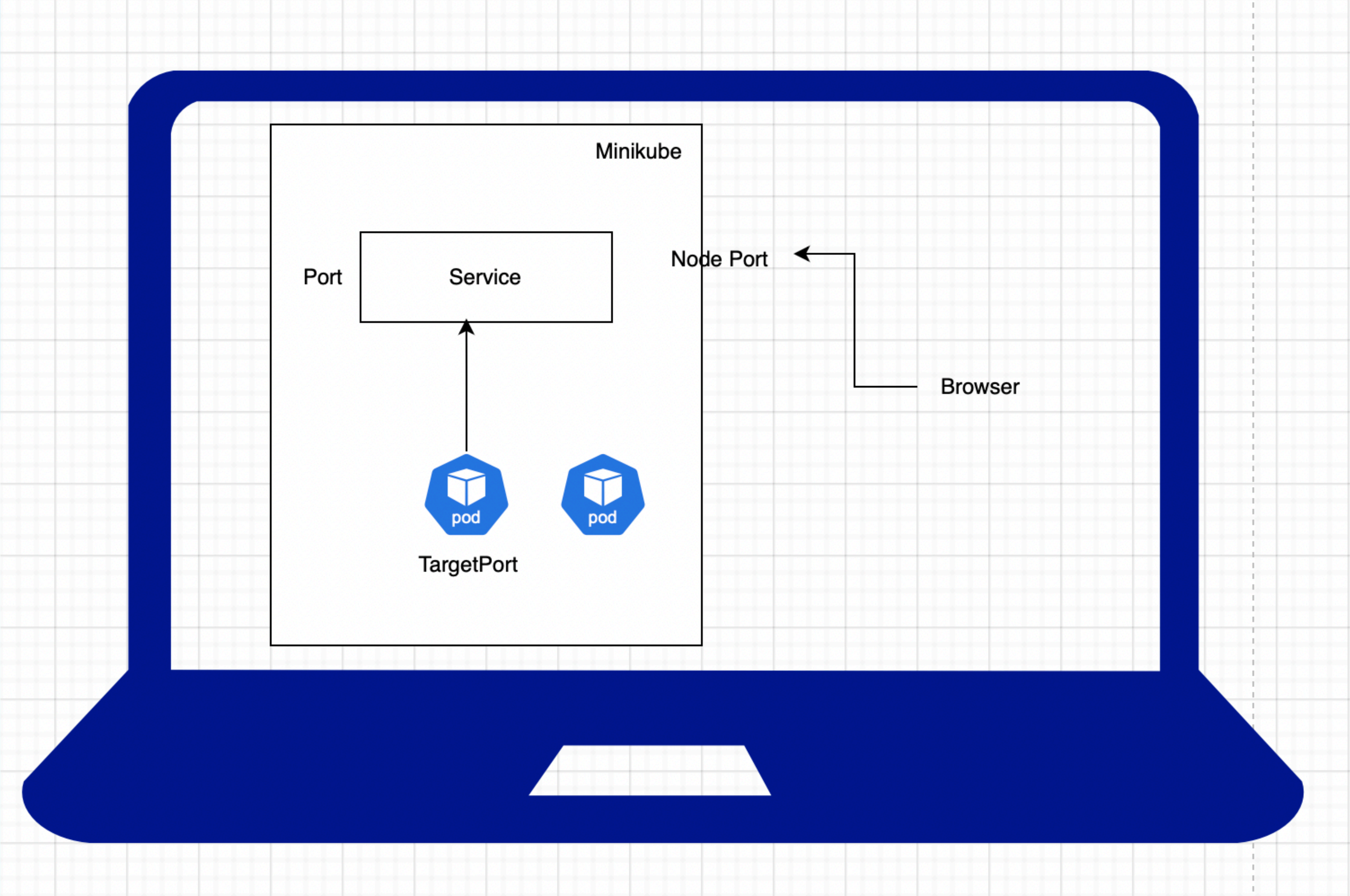


# Pod and Service



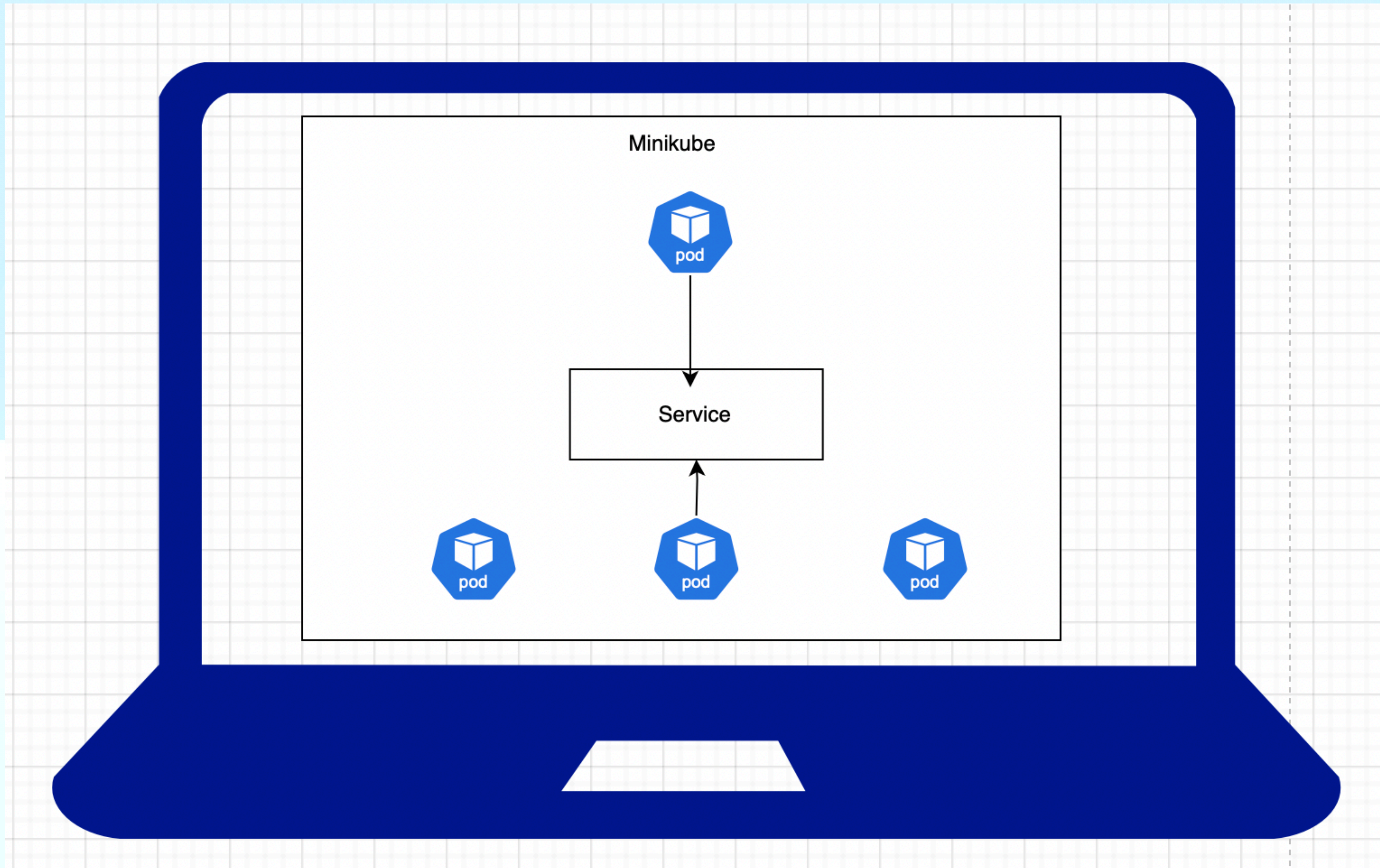


# Node Port Service





# ClusterIP Service





**QUIZ TIME**



# Q & A