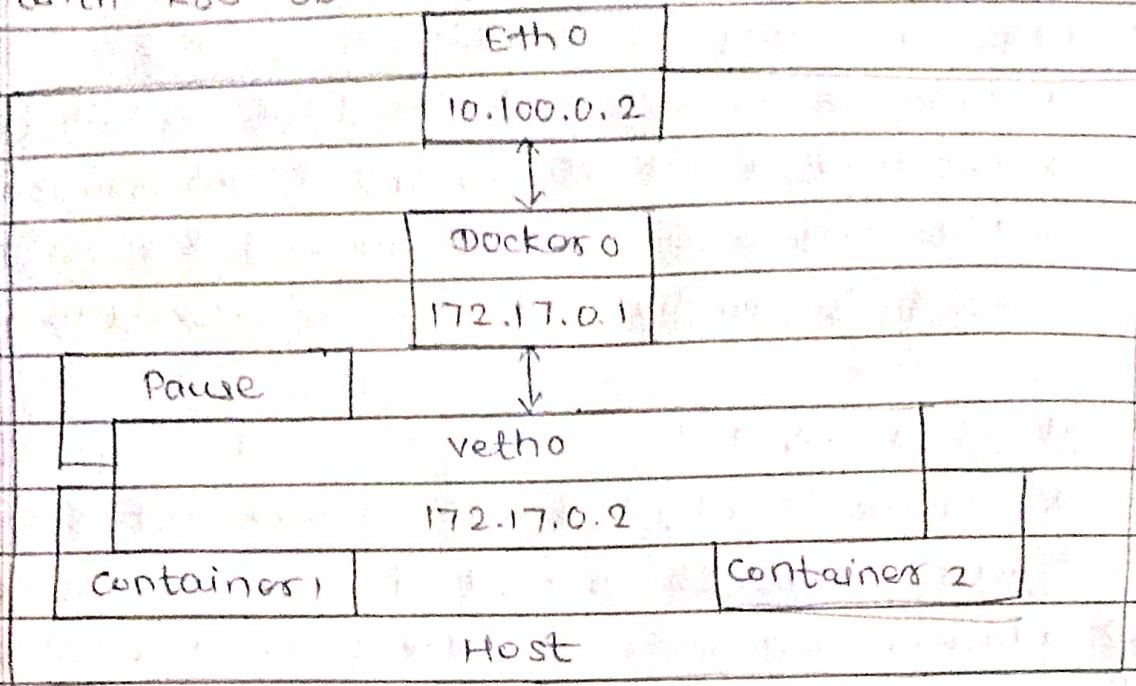
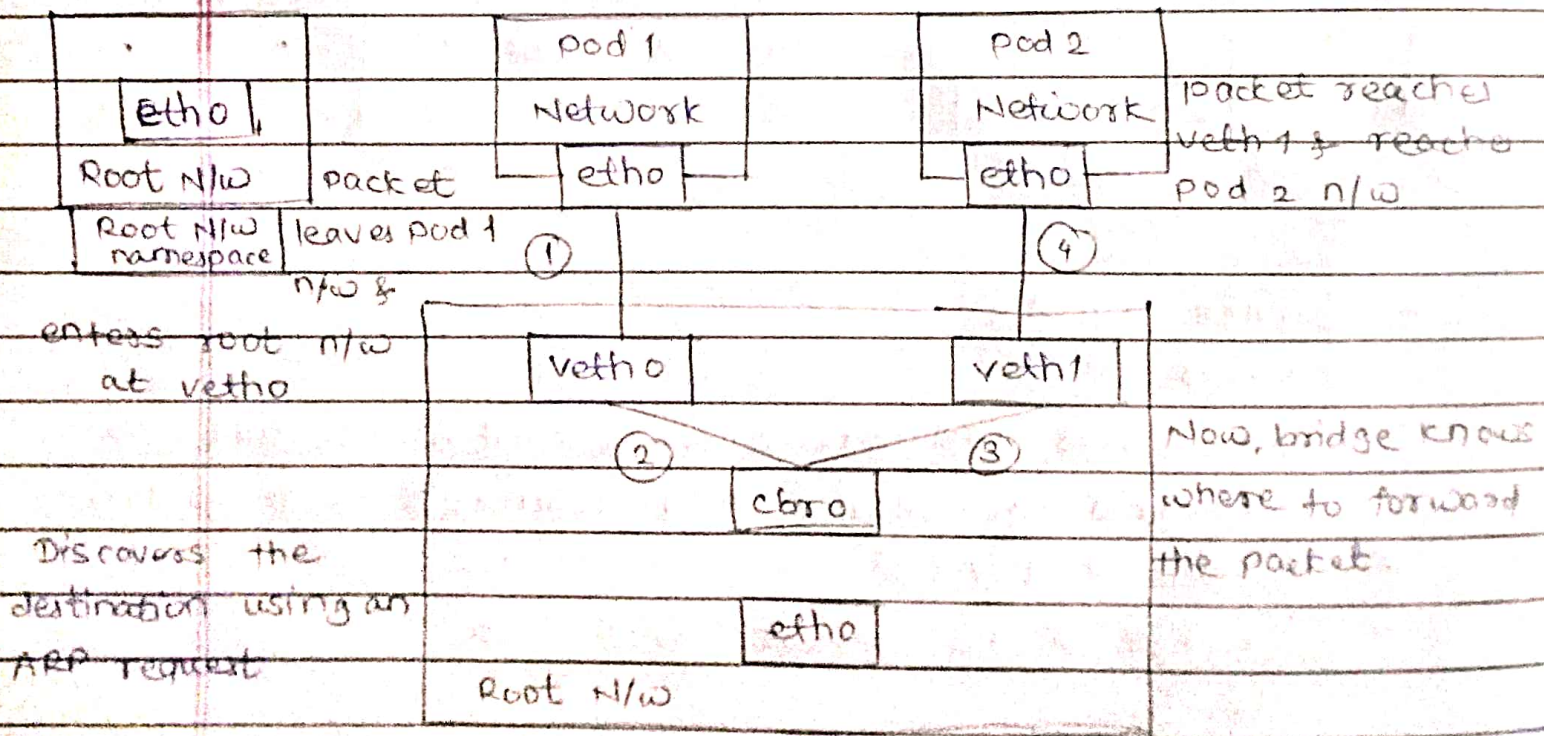


until k8s sends them a signal.



### Pod Network: Components -

\* Pod Network: Intra-Node Communication  
 is basically the communication bet<sup>n</sup>  
 two different pods on the same node





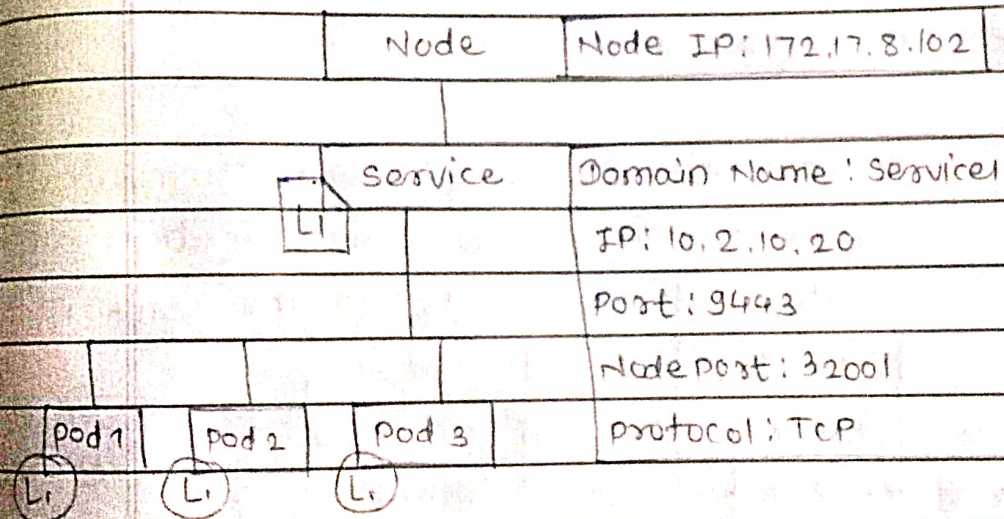
## ② Service -

clients connecting to proxy:

- Must be durable and resistant to failure
- Must have a list of servers it can forward to
- Must have some way of knowing if a particular server is healthy and able to respond to requests

### What is a service?

A service is a type of k8s resource that is configured to forward requests to a set of pods. Services have an IP address and this IP address automatically routes to a healthy pod.



### Service Types -

#### cluster IP -

- Exposes the service on a cluster-internal IP.
- Makes the service only reachable from within the cluster.
- This is the default service type

#### Node port -

- Exposes the service on each Node's IP at a static port