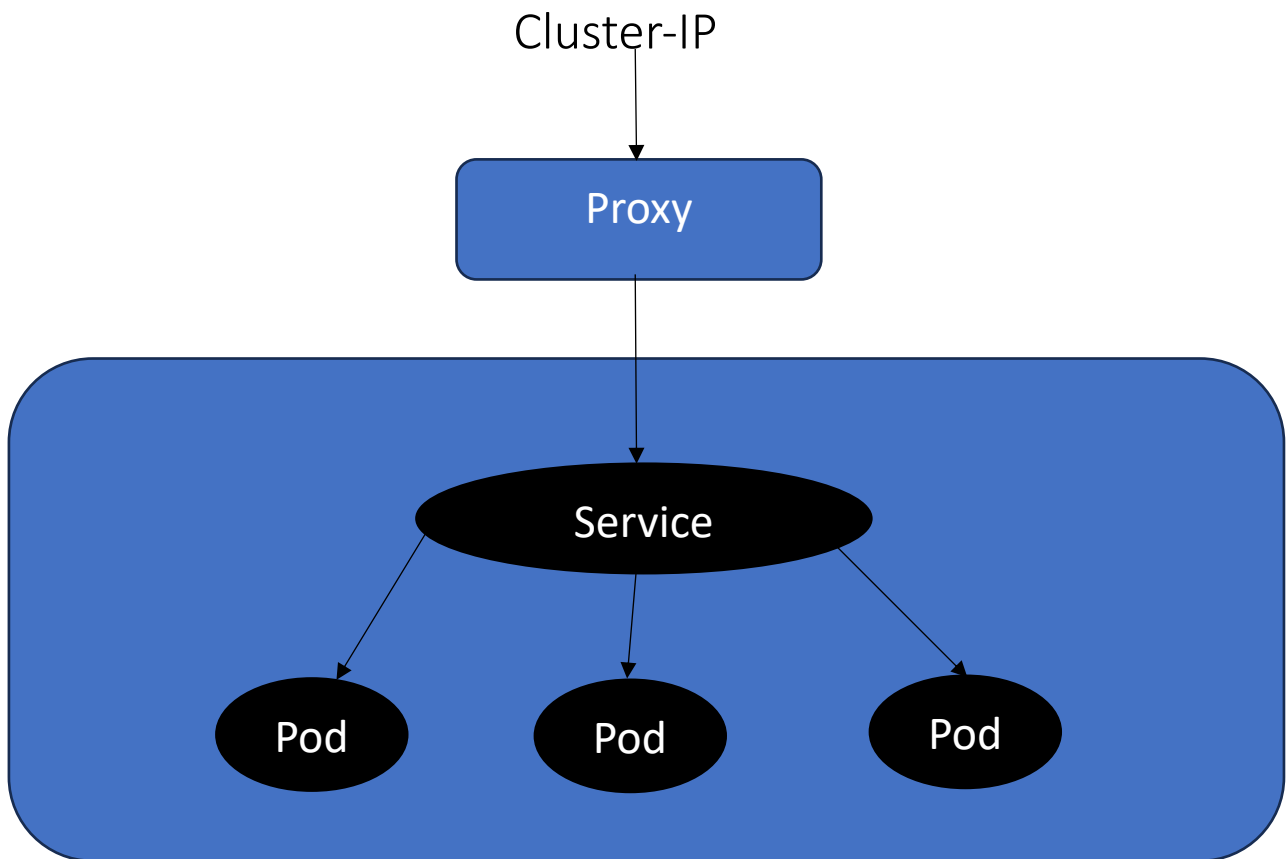


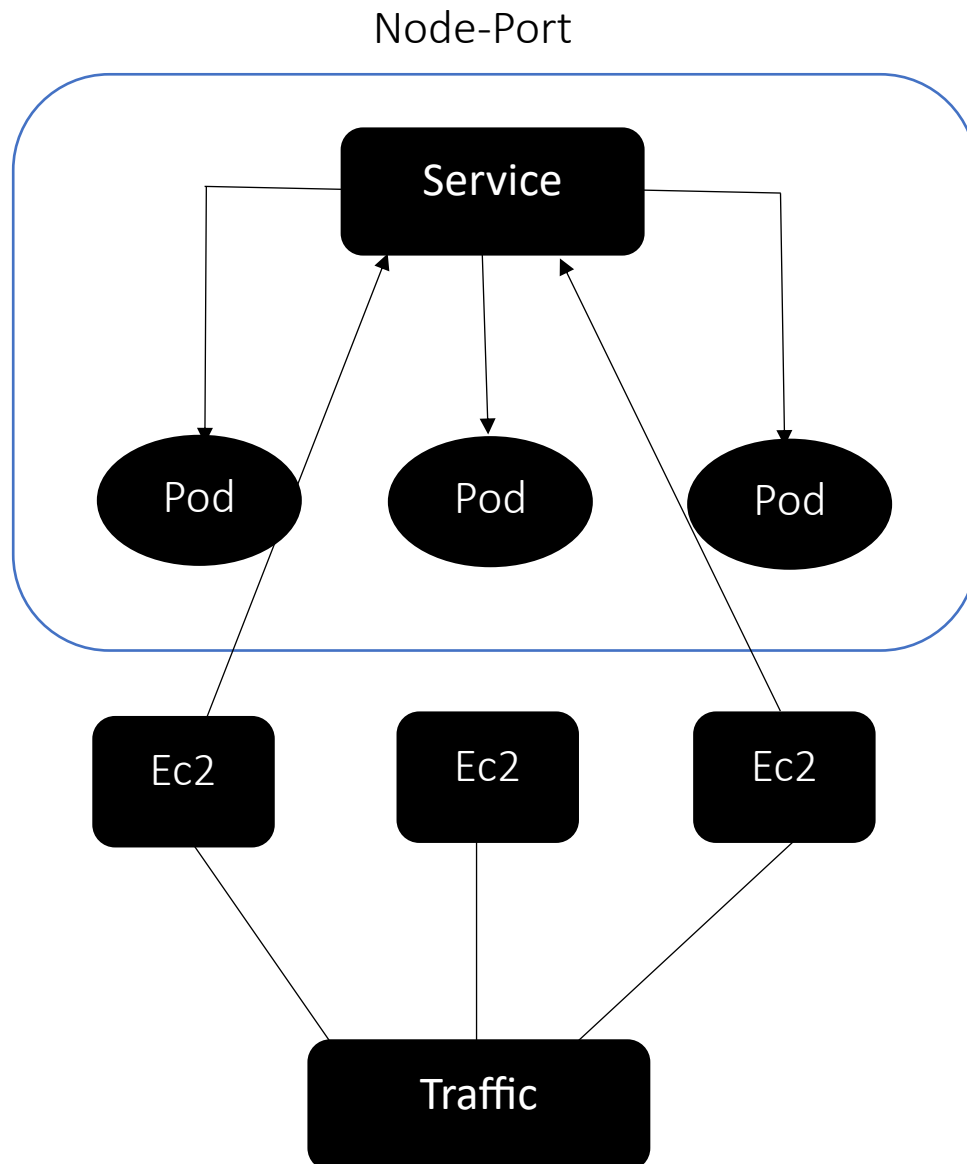
KUBERNETES SERVICE TYPES

A Kubernetes Service is an abstraction that defines a logical set of pods and a policy by which to access them. It Provides load balancing by distributing incoming network traffic across multiple pods of the same Service, ensuring even distribution of requests.

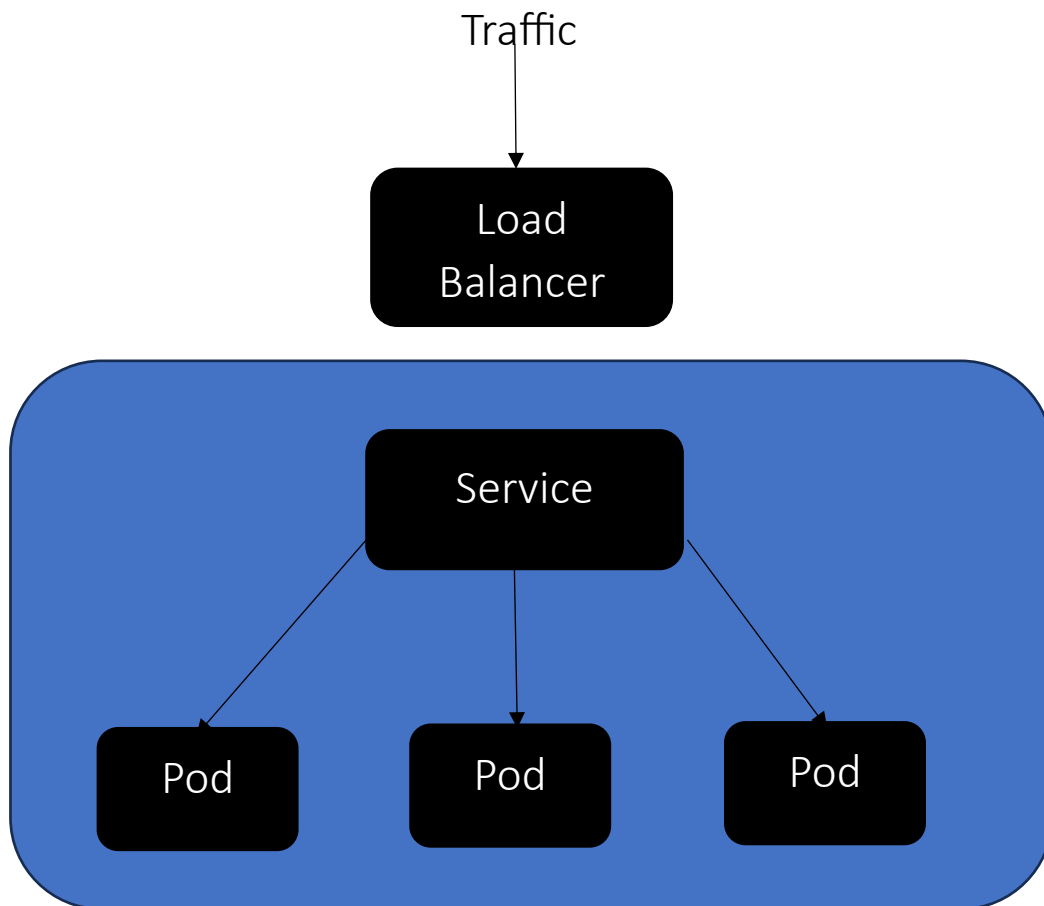
1. **CLUSTER-IP:** Expose the Service on an internal IP within the Cluster. It is accessible only within the cluster.



2.NODEPORT: Expose the Service on a static port on each Node's IP. It makes the Services accessible externally using the Node's IP and the assigned static port.



3.LOADBALANCER: Expose the Service externally using a cloud provide's load balancer. It automatically assigns an external IP to the Service.



4.INGRESS: Define how external traffic can reach the cluster's services and configures a set of rules to enable incoming connection to reach the cluster's service.

