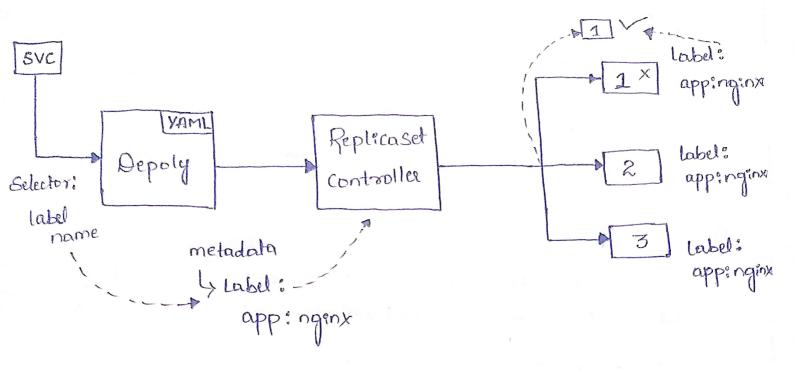
Day -7 i) Service i'i') Types of Seevices. "ii'y Gubectl Seevace Commands. 1> Service :pod. The way to expose an application on a Set of pods as a network seevice. - pods are mortal, dispossable - IPs are not Static - Selvice Will provide us Static endpoint to pod. 2) Types of Securces:-?} Nodeport 994 cluster IP []

Kubectl get suc

Kubectl get suc

Kubectl describe suc (Sewice_name)

iii Load balancer



Service object in fubernetes has following advantages
Such as:

17 Load balancing.

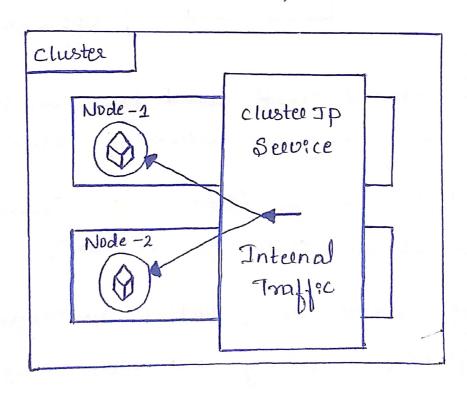
Labels & Selectors: "ii) fervice Discovery
iii) Exposing application to external.

- 1) cluster Ip: -
 - The application is still accessible only on inside fubernetes cluster.
 - Offers Service discovery and load balancing.
- 2) Nodeport :-
 - Can be able access of Someone has access to node or node allow the request.
 - It well also offices all features of Securce.

- It will allow anyone in the world can access the application.
- EKS, AKS Well use the application LB to manages load.

i) Cluster Ip :-

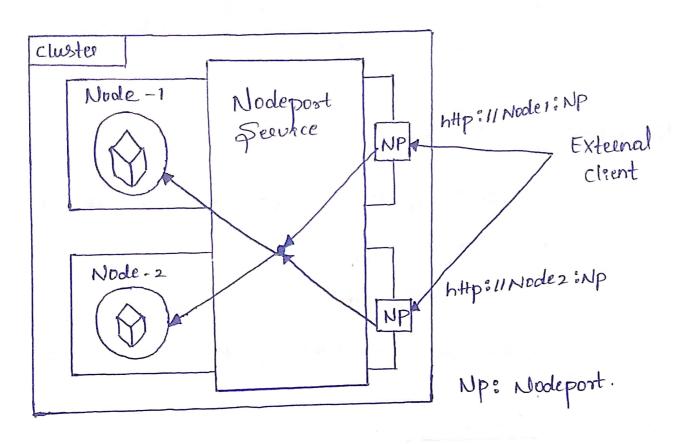
- clusterIp Services Exposer pods to internal network traffic.
 - Use case might be you may expose a database to other pode upa a clustelip.



- clusterip ferveres Expose the Smallest Surface one and Should be used for pods that only need to be exposed to other pods in the Cluster.

ii) Node port :-

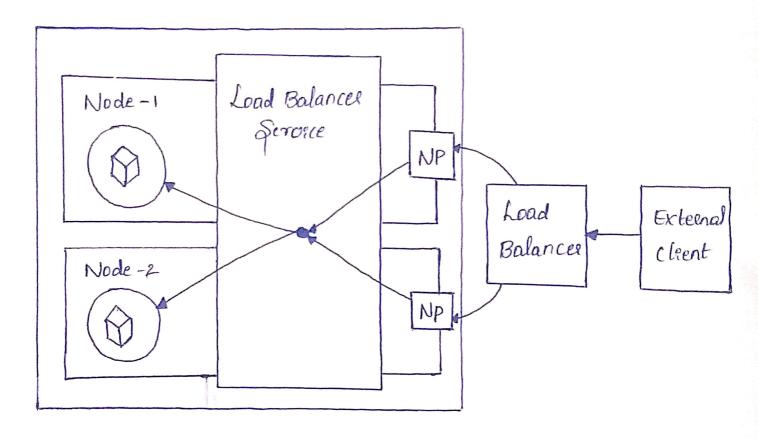
- Modeport Selvice that directs traffic to any of nodeport on each Node to the suspective pods that matches label mentioned.



- Here external people should have access to Nodes then only they can access application.
- Nodeport range starts from 30000 32768 but we can customize the range.
 - Mot useful for poduction Enveronment, mostly used for testing and dev purpose.

- The traffic directs from any port (80/443) on a public load balancel and can be routed to application port, again using Labels and Selectors.

Load balancer.



- This is the most common use case for production Scenario.
- It is also costs you as per csp changes for Load balancer.