Day - 5

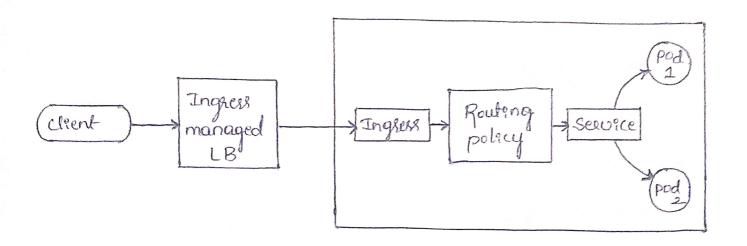
- Namespaces
- Ingress
- Jobs & cronjobs
- Daemonsets
- Stateful sets.
- ~1. Eube | Config file.

1> Namespaces:-

- Namespaces provides mechanism for isolating group of resources withen a cluster.
- Name of resources en NS Should be unique.
- Deployment services etc, are namespaced Scoping Objects.
 - 9> default
 - ii) kube-node-lease
 - iii) Kube-public
 - iv> Kube System.

27 Ingress :-

- An API object that manages external access to the Securces in a cluster typically HTTP.
- Ingress may provide load balancing, SSI termenation and name based virtual hosting.



3> Jobs and Coonjobs:-

- Job creates one/more pods and will continue to retry execution of the pods until a Specified number then Successfully terminate.
 - A conjob creates jobs on a repeating Schedule. Just leke crontab en UNIX/LINUX.

4) Daemonset:

- A daemonset ensure that all Some nodes runs a copy of pod. As nodes added to Cluster. pods are added to them. As nodes are semoved from cluster those pods are garbage collected. Deleting daemonset WIII cleanup the pods it's created.

- Uses of daemonset are running.
 - 1) cluster storage daemon on every node.
 - a) logs collection daemon on every node.
 - 3) Node monstoring daemon on every node.

5> State ful sels :-

- Stateful applecations.
- manager the deployment and Scaling set of pods and provides quarantees about orders and unequeness of these pods.

6> n/. Kube/confeg feles:-

- Eubernetes configuration tree called as Kubeconfig.
- It is a YAML fole that specifies various Settings and parameters for interacting with Eubernetes
 - There fell is used by fubect Command to authenterate with cluster, Specifies Cluster and Configure other options.

- Key elements en tubeconfig tele are. i) cluster configuration. "i) user Configuration. iii) Context Configuration. iv) current context. Checkout Example " kabe config" below. apiVersion: V1 Kend: confeg clusters: -name: my-clustel. Cluster: Seevel: https://cluster-ap?-Seevel. certificate-authority-data: < certificate-authority-data> Usus: -name: my-usel Claent - certificate - data: (claent - certificate -data) claent - Key - data: < claent - Key - data> contexts: - name: my - context context: clustes: my-clustes. usee: my-usee

current - context: my-context.