

Kuberneles components

pod:

- i smaller unit of KOS
- 2. Abstraction over contener
- 3. Venally I application per lod

4. Each pod get its own ip address 5. New ip address on each re-creation

- Service:

 1. permanent ip address
 - liferyll of pod & cavice not connected.
 - 3. Service is also a load tolancer. App should be accerible through browce to need to External suvia,

for Databose, creak Internal Luvice.

Ingress:
First request goes to Ingrew than
that forwards the equest to the review.

Config map I senet

Entuncl configuration of the application like DB-VRL, goes to configuration

Scuet contains things like wedentials in base 64 format

Vie it as environment vourables.

Volumes

- 7 k8s doesn't manage data persistence. 7 phyrical strage attached to k8s cluster
- rande local (remote storage (critinal transdarive)

Deployment -

- (1) blueprint for pods
- (2) we weat deployments instead of pods
 - (3) Replication

State ful Set

(1) for stateful apper like DB's

Layers of Abstraction

- . Deployment manager a ...
- · Replica Set manages a ...
- . Pod is an abstraction of ...
- . Container