



example configuration

Spec: Storagelass Home: manual capacity storage I Gi orcess Modes - Read write Once hostpath - path: / Kube

Host path is juste a directory on server

gets scheduled on node with this directory

Go He showed a demo Using node selector

-> hostpath only works with 1+mp 14) SECRETS Example: - mysql database passasord 5 ways to use secret 1) as a environment variable Can be used by container mount as volume Some file for each key value pair * depends on no of files. - Secrets have to be base-64 eg echo -n'esecret-value' (base64

(5) Config Maps

- useful in applating configuration dynamically
- Can create using yarms or command
- in Rod yorn!

Guse config map variable

Co as environment variable

)R

mount as a volume

Ge one file per con key pair value

- value is automatically updated in running pod whenever you update config map
- You can create configmap from your

IMMUTABLE CONFIGMAPS / SECRETS La can only delete as can't edit just add la l'immutable : true | in yaral Have to ear enable [Immutable Ephemeral Volumes] teature gate & enabled by default in latest kubernetes * Even if you remove the immutable tag later, you (won't) be able to edit it. only way to edit would be to delete and recreate it - Applies to both configurap & secret.

(16) RESOURCE QUOTAS & LIMITS

- In production environment, if you have multiple teams running in single cluster gou can have this limits so that no single team can atilize all the resources

Resource quotas

- limit on the resources

eg only this many pods, services etc a con be created

- applied to name spaces not on entire cluster

Resource limits

- CPO, Memory

- For entire namespace

Limit Range

- applies to all containers

Requests. Imit

- Resource can only request memory within that limit.

(IA) REMAMING KUBERHETES MODES
- changed hastname of one of nodes in cluster
explated /etc/hosts in host and master.
_ Checked leubelet 6tatus on worker.
good practice :-
- drain att the node.
- stop all pods
—then step the node from cluster & readd
in the error cost
G Had to delete the node
la join the node again the cluster.
For maintainante
Drain sorver - kubect chain (coorker)
it will stop all the running pods
(10) new pods will be scheduled

18) | RANCHER

La cluster management hool

G can manage multiple duster's

Cy lans inside, docker container

single

(18.1) Rancher v2

G. Hice prometheus + graphana monitoring

Flumtd + Elastic Stack

(18.3) 1 Slack alerts