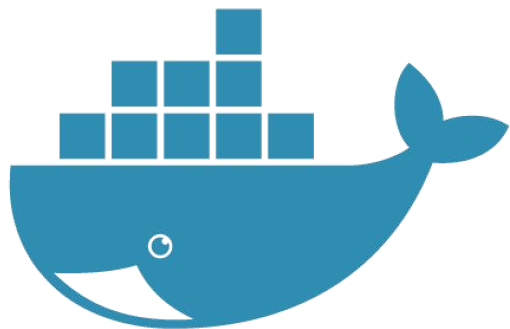


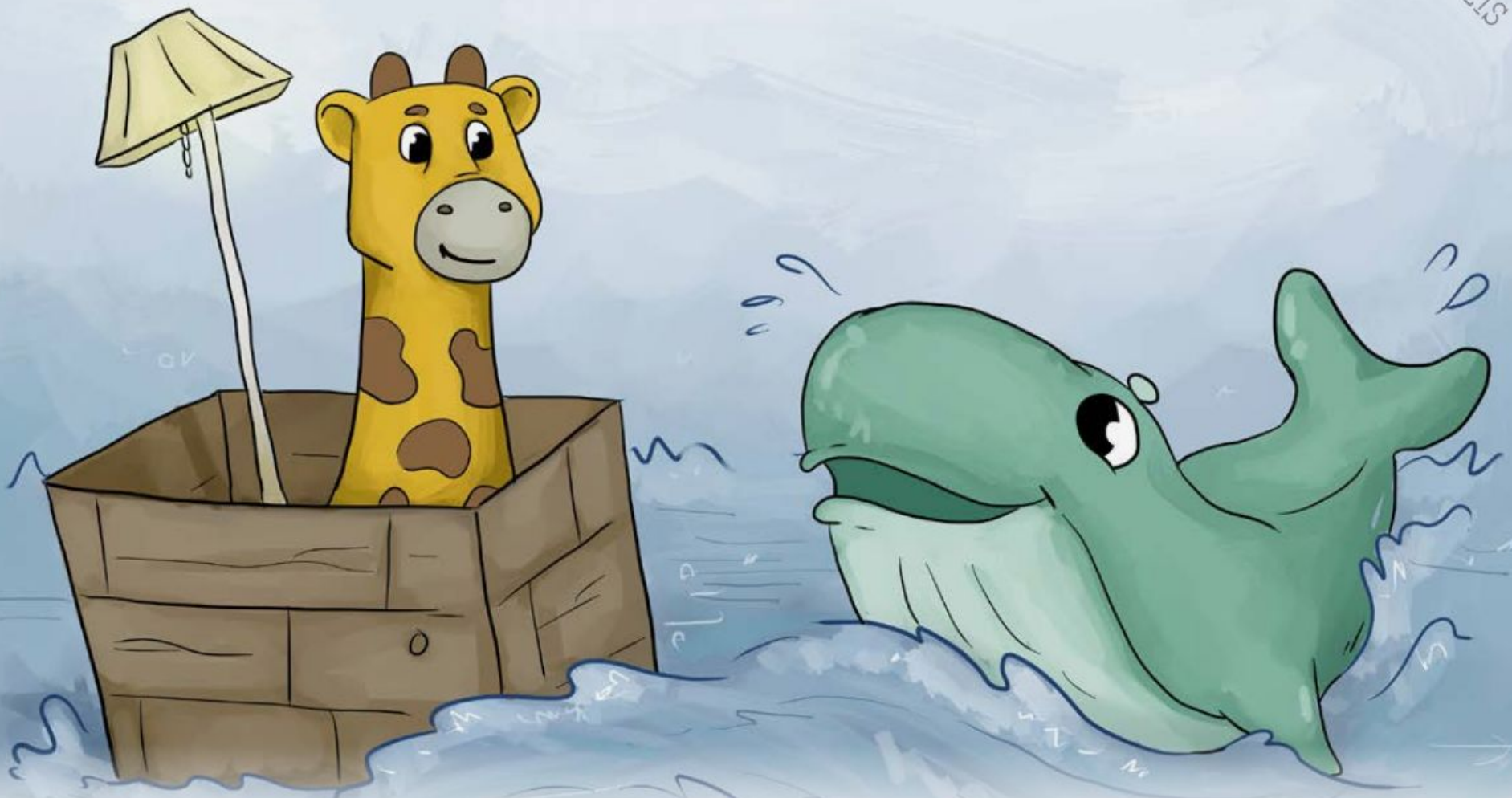


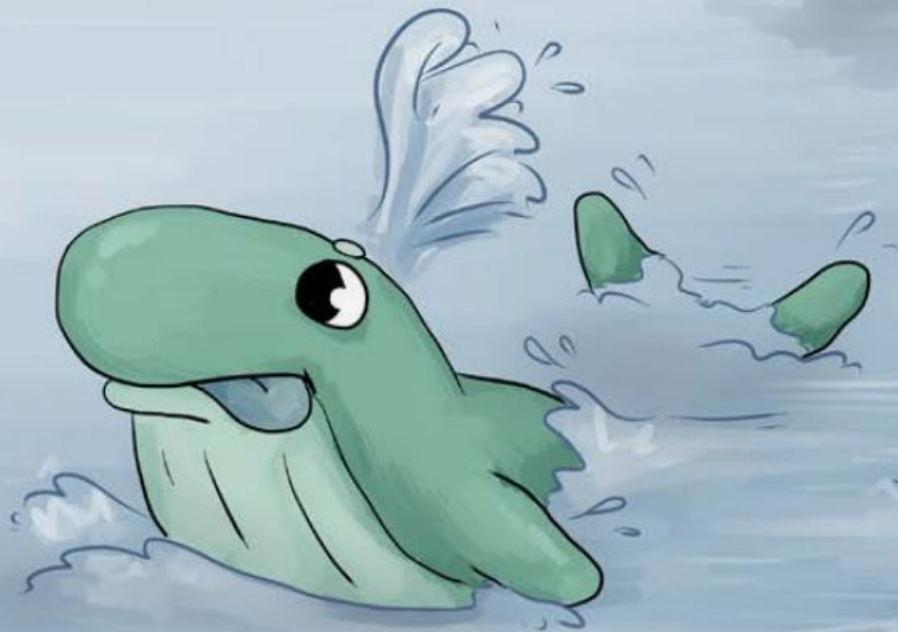
Kubernetes

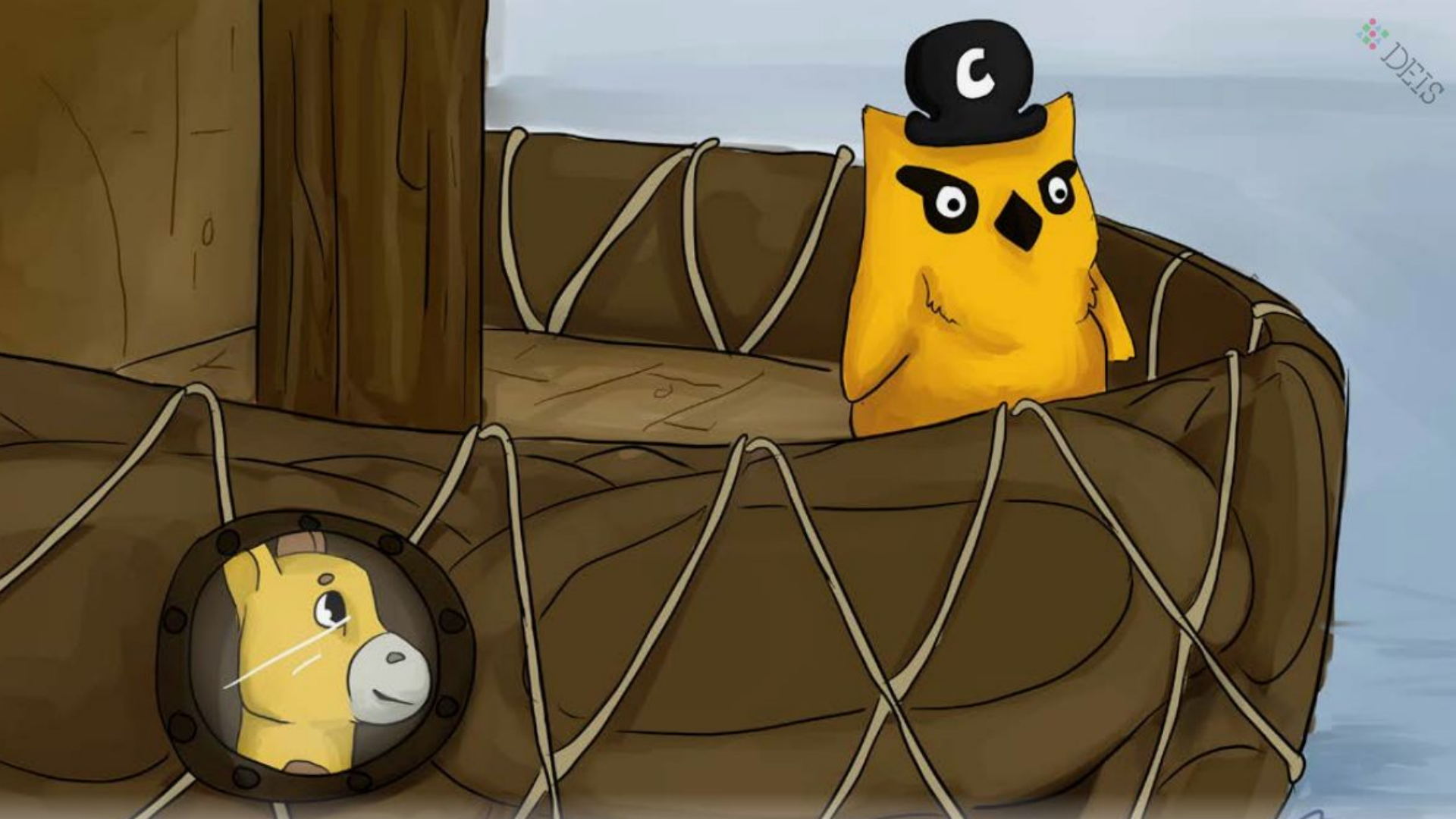
K8S pour les intimes





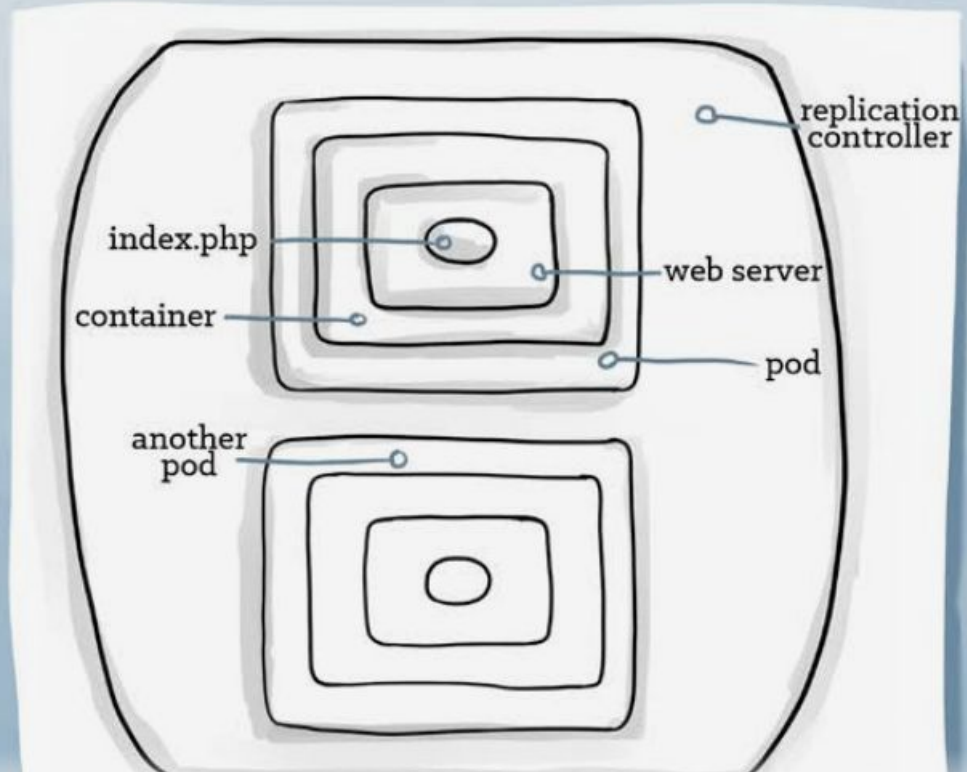






Replication Controllers

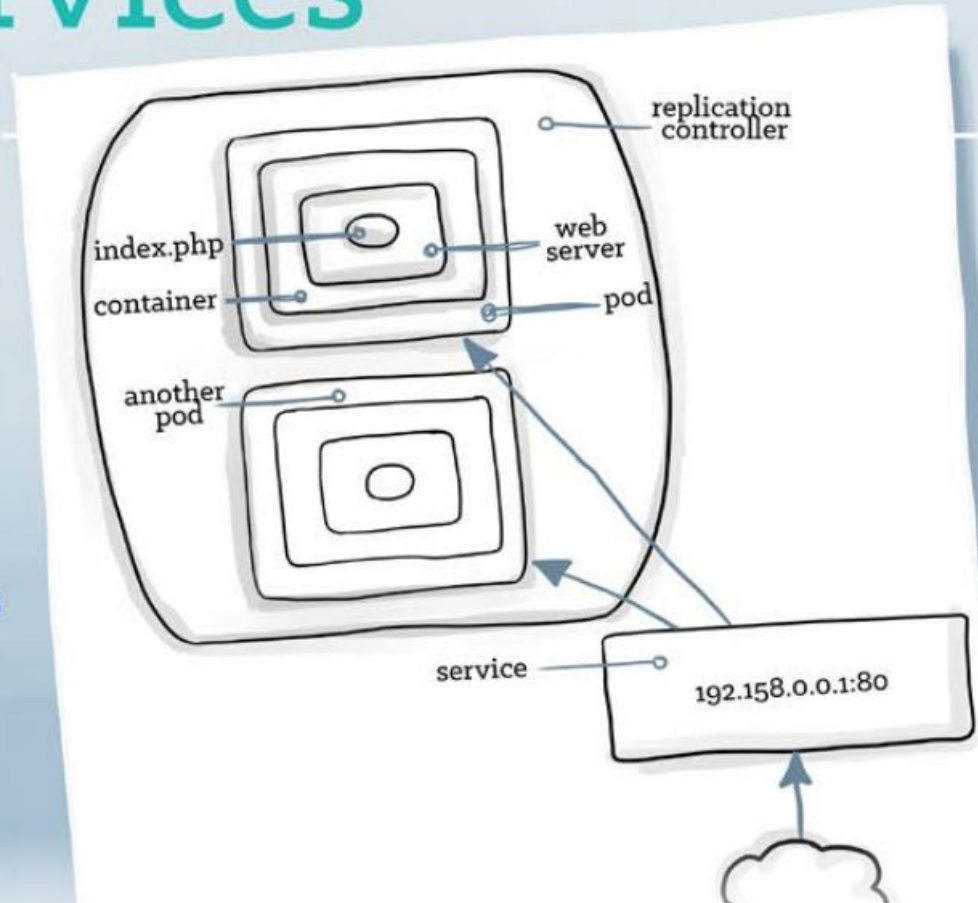
- Have a *pod template* for creating any number of pod copies
- Provide logic for scaling the pod up or down
- Can be used for rolling deploys





Services

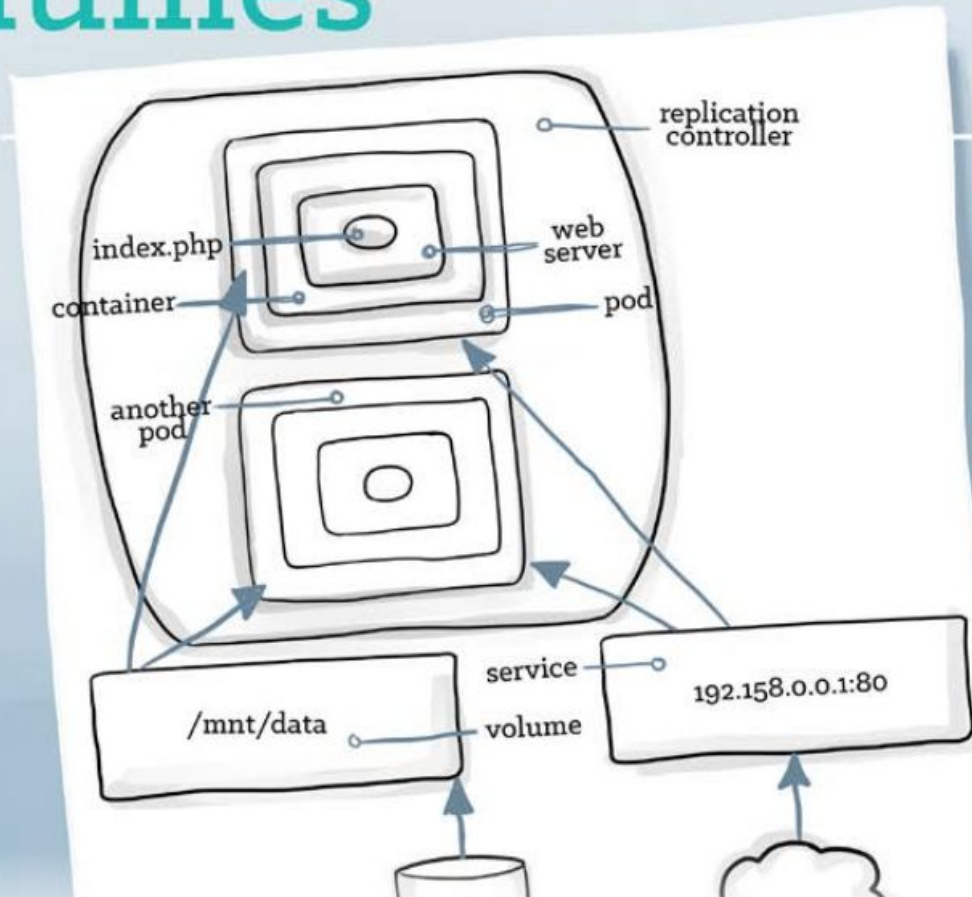
- Persistent
- Provide discovery
- Provide load balancing
- Provide stable service address
- Find pods by label selector





Volumes

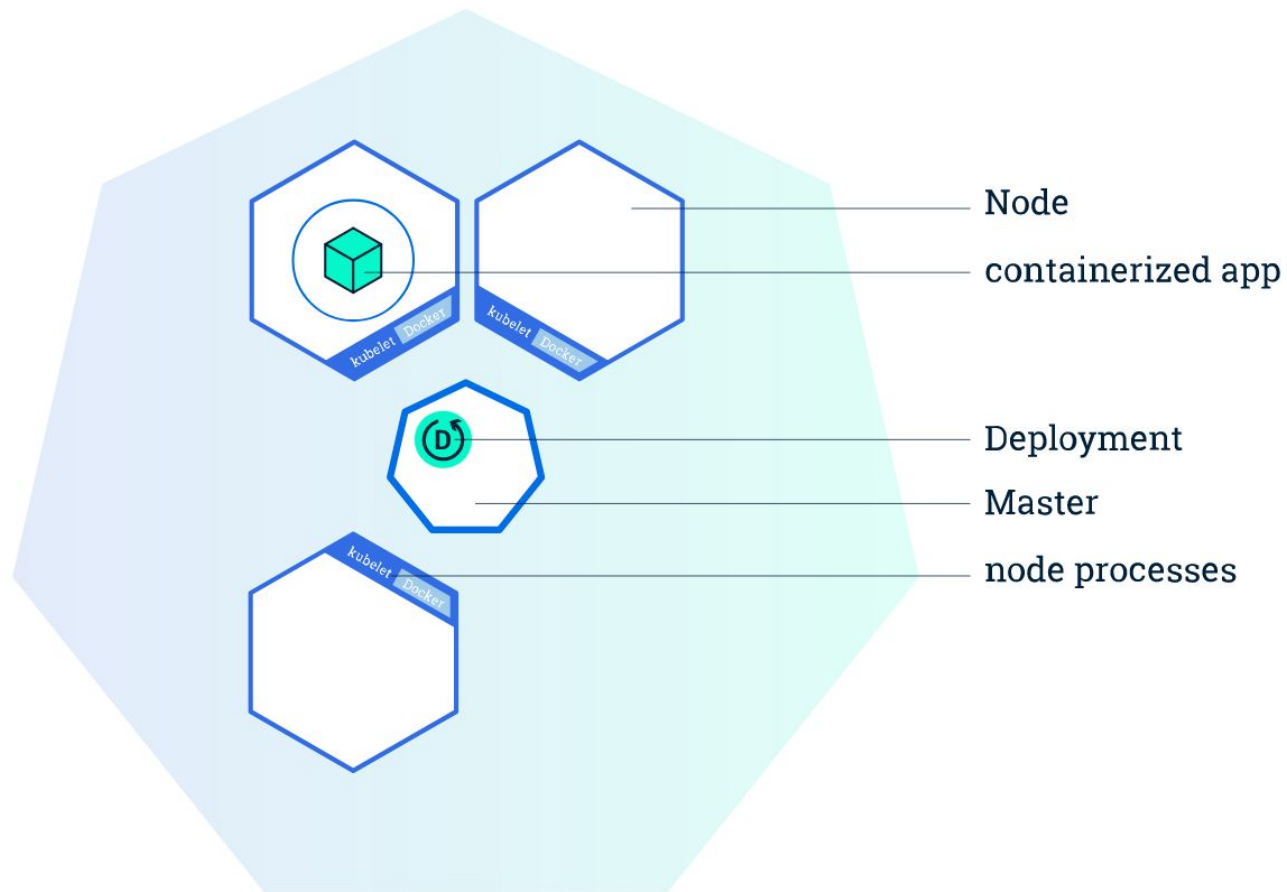
- Providers expose both persistent and ephemeral storage
 - › EBS
 - › Ceph
 - › Gluster...
- Pods can mount volumes like filesystems







Illustrated
The Children's Guide to
Kubernetes



Kuberneters Cluster

Composants de K8S

Apiserver

Etcd

Controller Manager (Node Controller, Replication Controller...)

Scheduler

Kube-dns

Kubelet (node)

Kube-proxy (node)

Kubelet

Deploy un cluster

(sur GCP)

Replicaset & Pods

Service

(demo)

Volumes

GCE PersistentDisk, Glusterfs, Ceph, Cinder

Secrets

Pour aller plus loin

- kubernetes.io/docs/concepts/
- kamalmarhubi.com/blog/2015/08/27/what-even-is-a-kubelet/
- Regarder les talks de “Kelsey Hightower” sur le youtube de l’internet
- GKE

