



## API Server = Entrypoint to K8s cluster



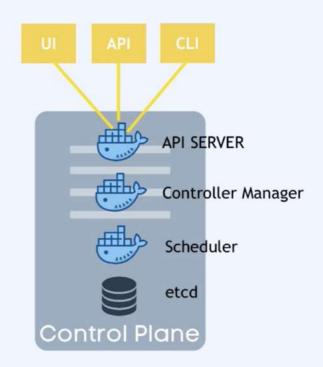
Controller Manager = keeps track of whats happening in the cluster

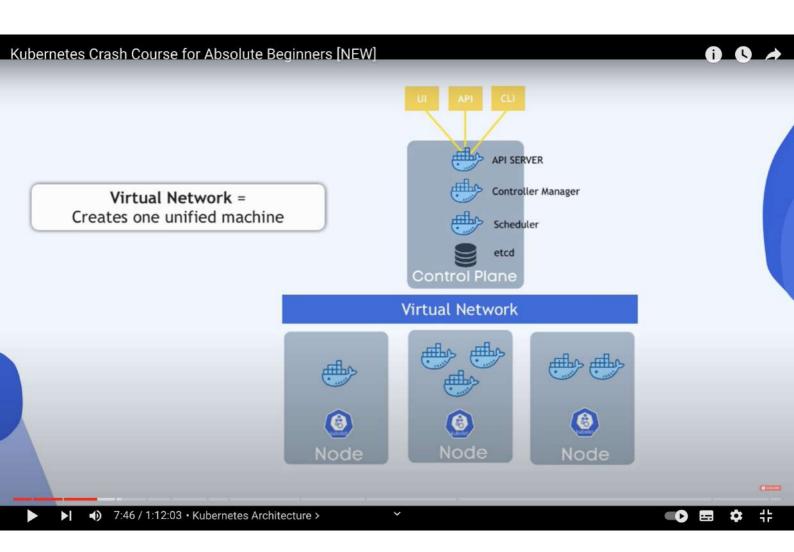


Scheduler = ensures Pods placement



etcd =
Kubernetes backing store

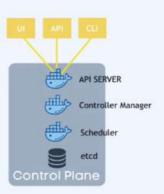






handful of master processes

much more important





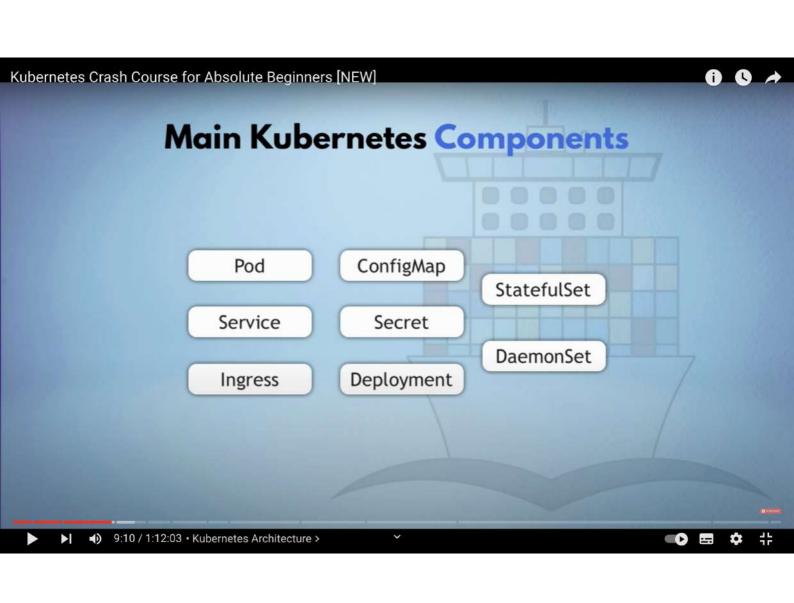


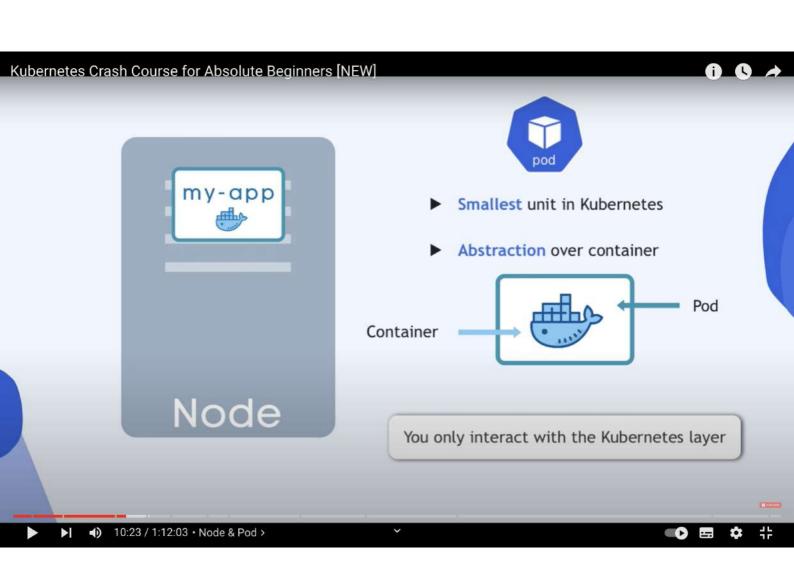


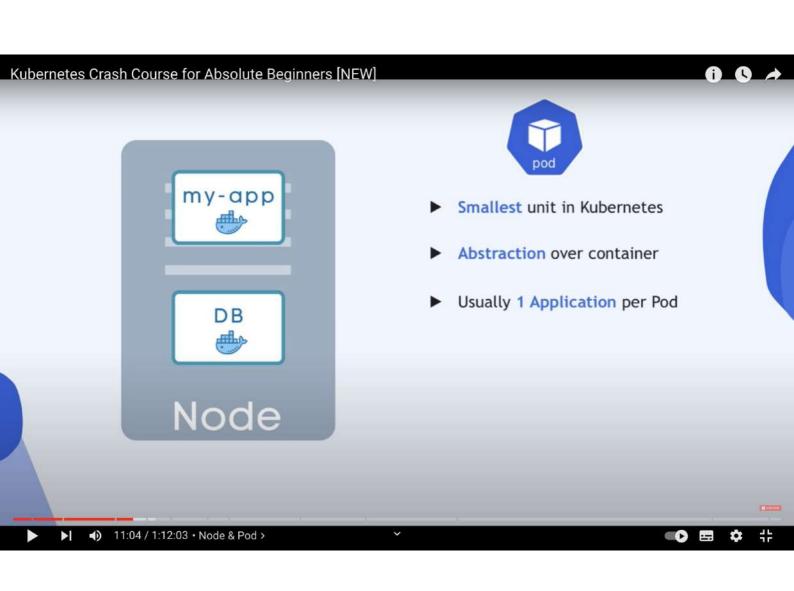
## **Worker Nodes**

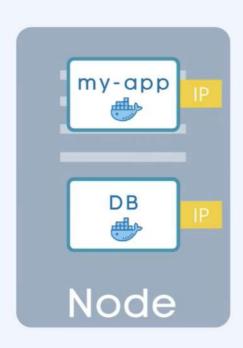
higher workload

much bigger and more resources





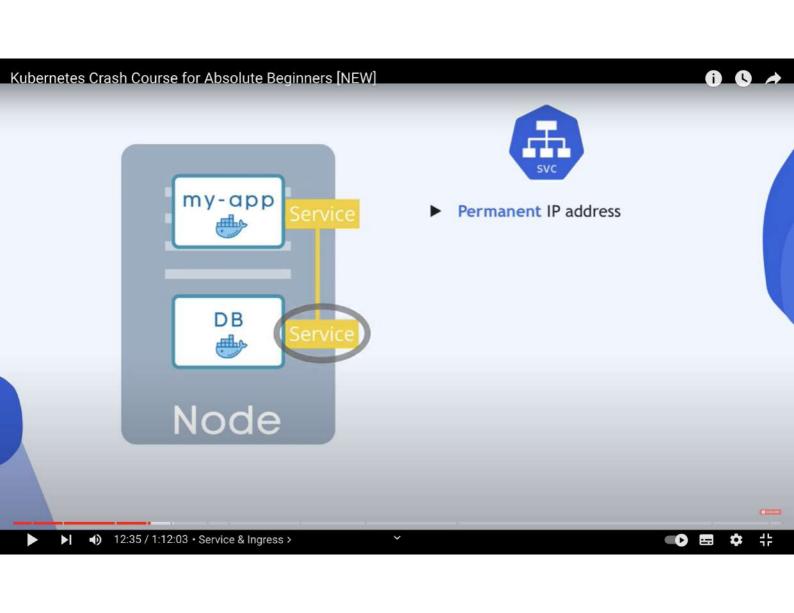


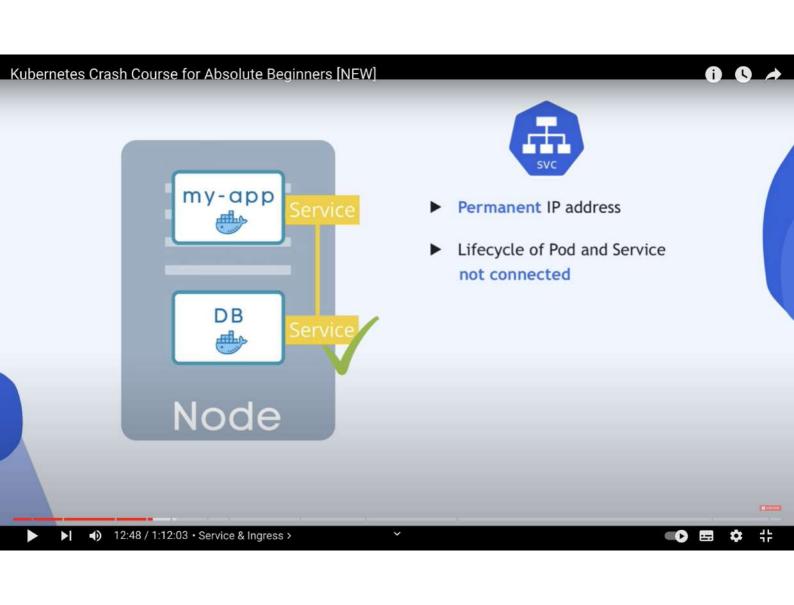


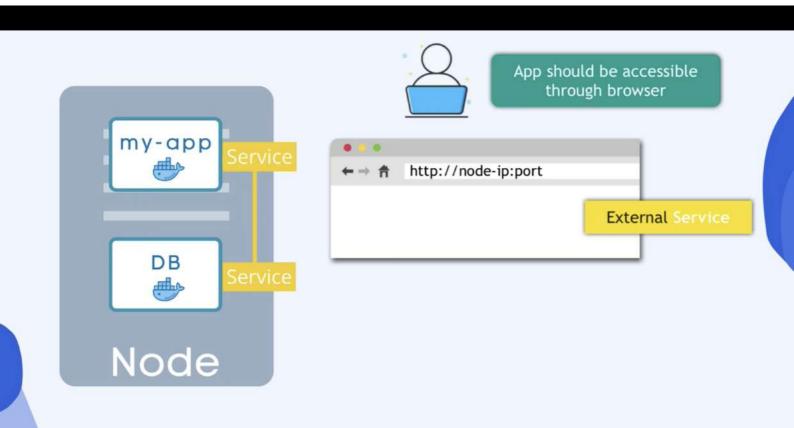


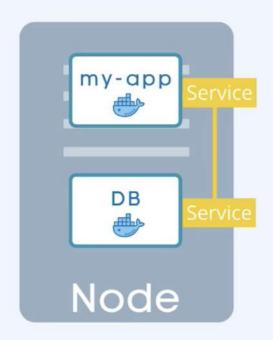
- Smallest unit in Kubernetes
- ► Abstraction over container
- ► Usually 1 Application per Pod
- ► Each Pod gets its own IP address
- ▶ New IP address on re-creation

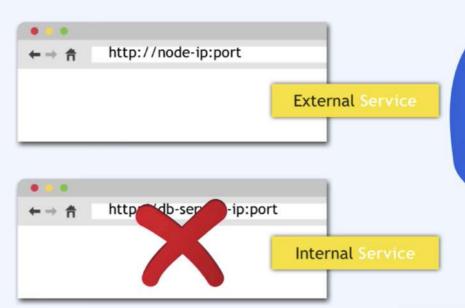








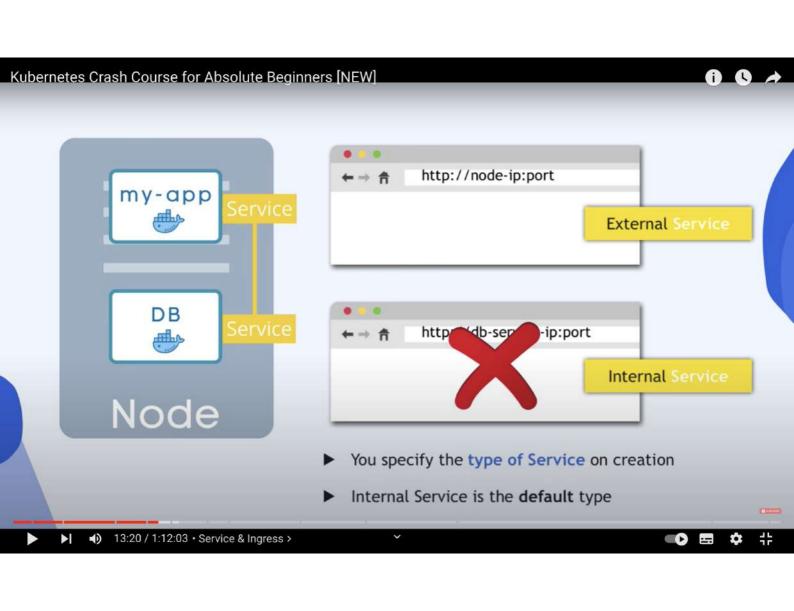


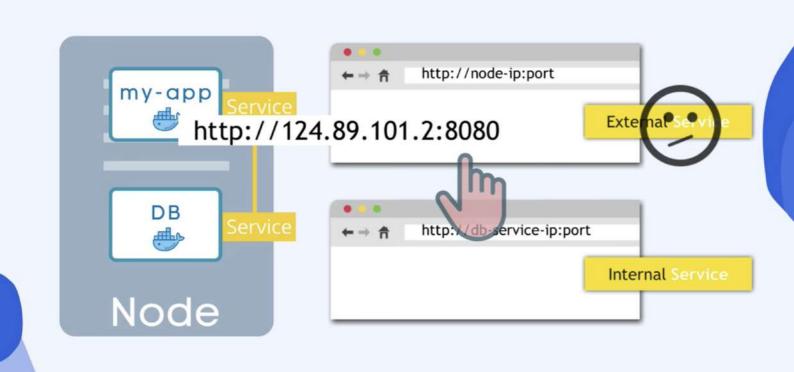


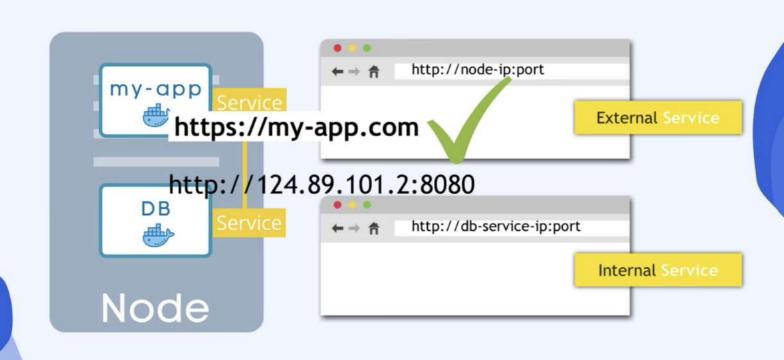
- ► You specify the type of Service on creation
- ▶ Internal Service is the default type

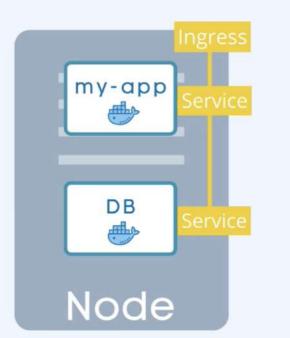


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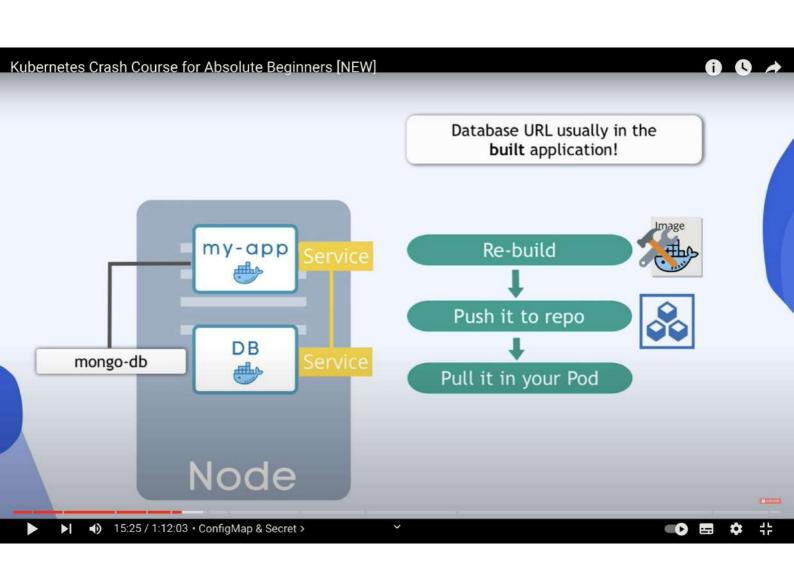


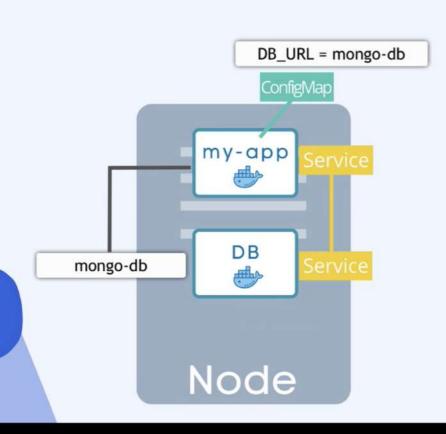






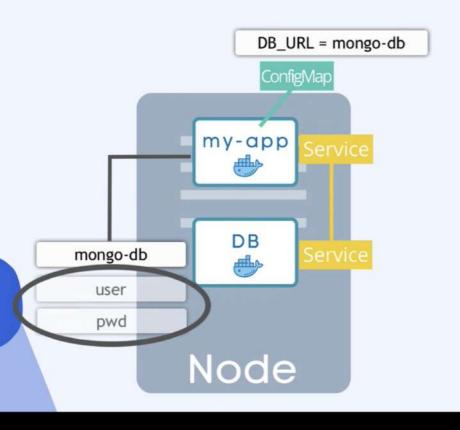


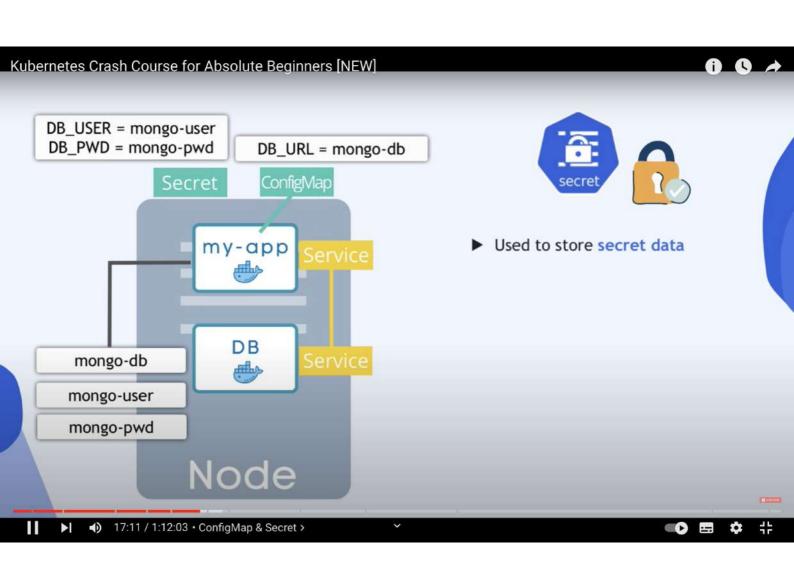


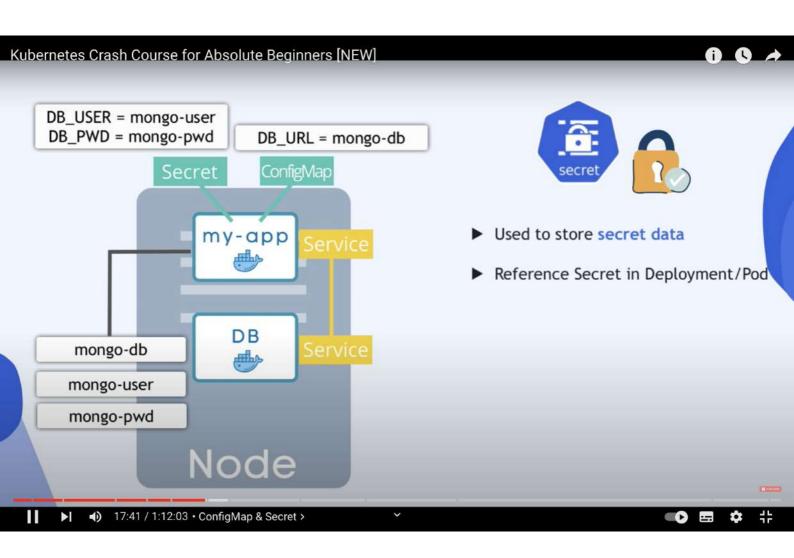


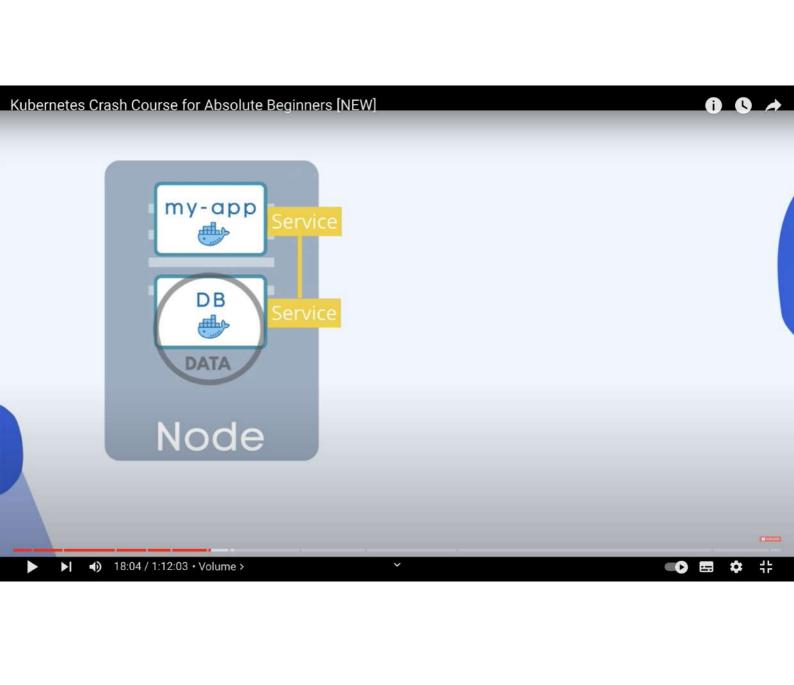


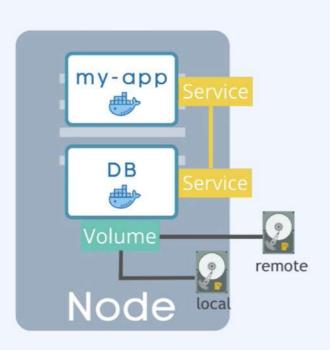
External Configuration of your application





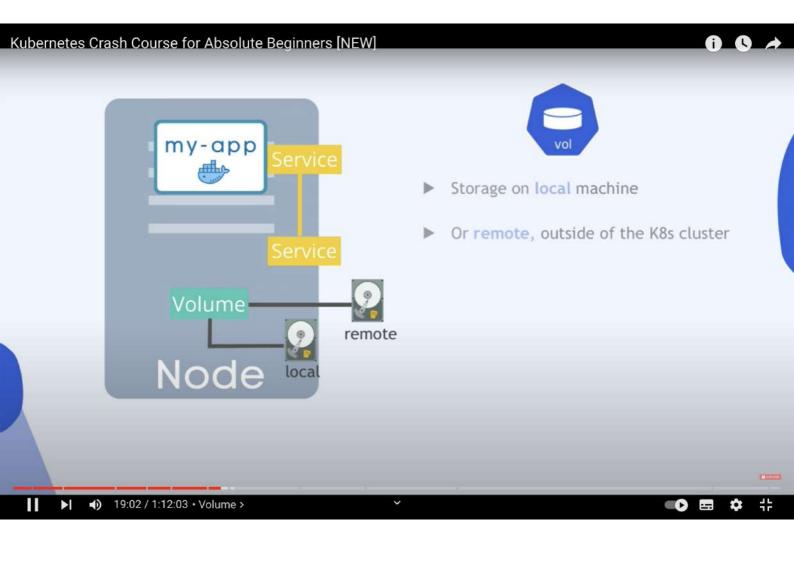


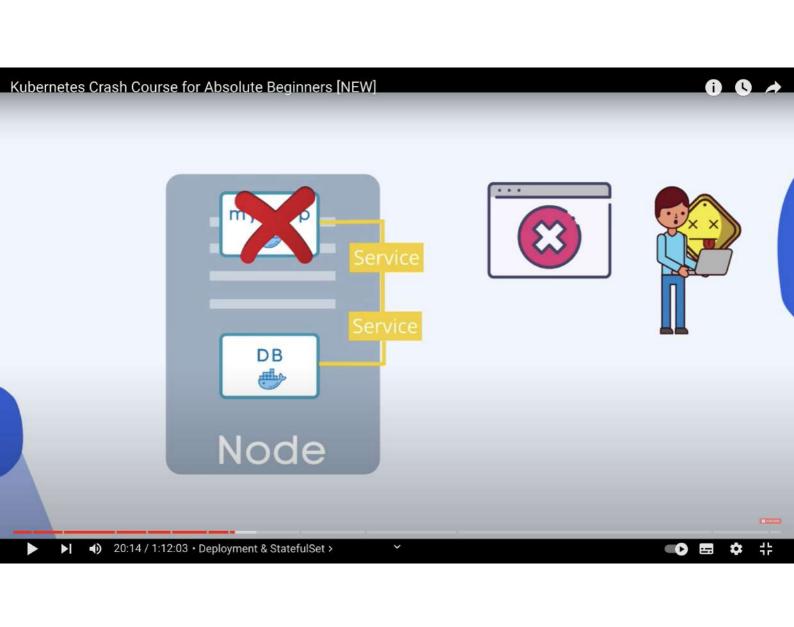


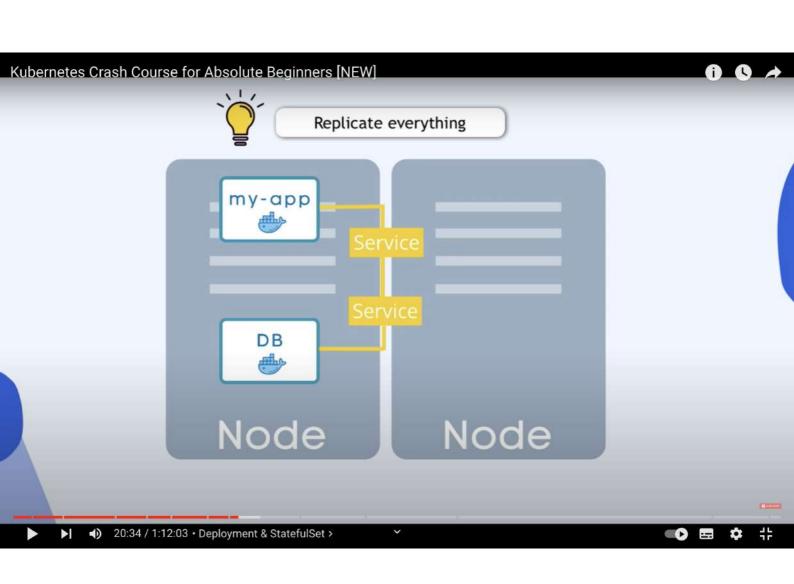


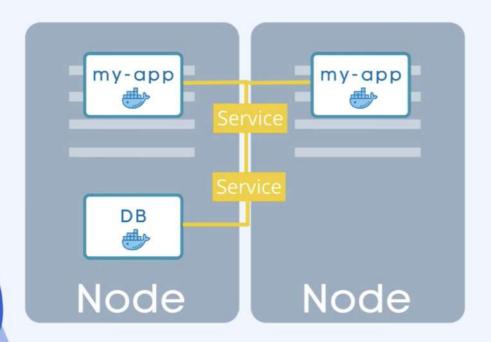


- Storage on local machine
- ▶ Or remote, outside of the K8s cluster



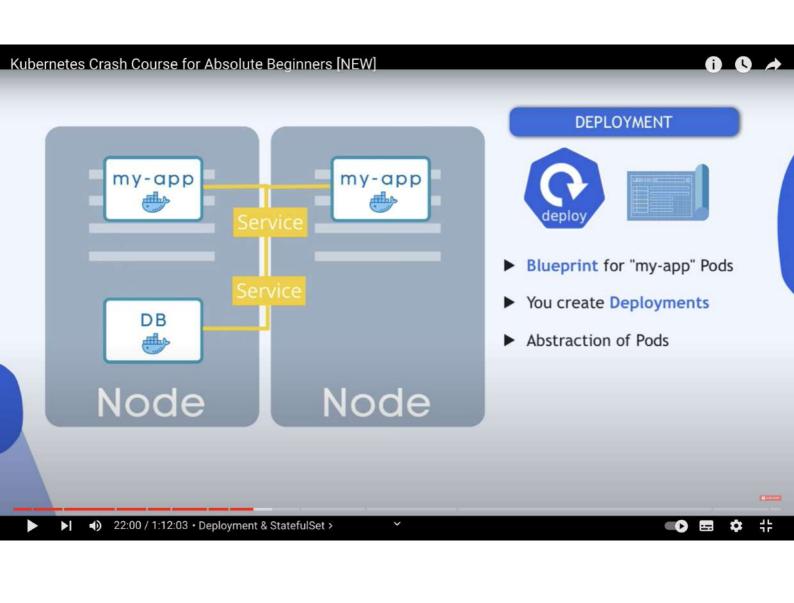


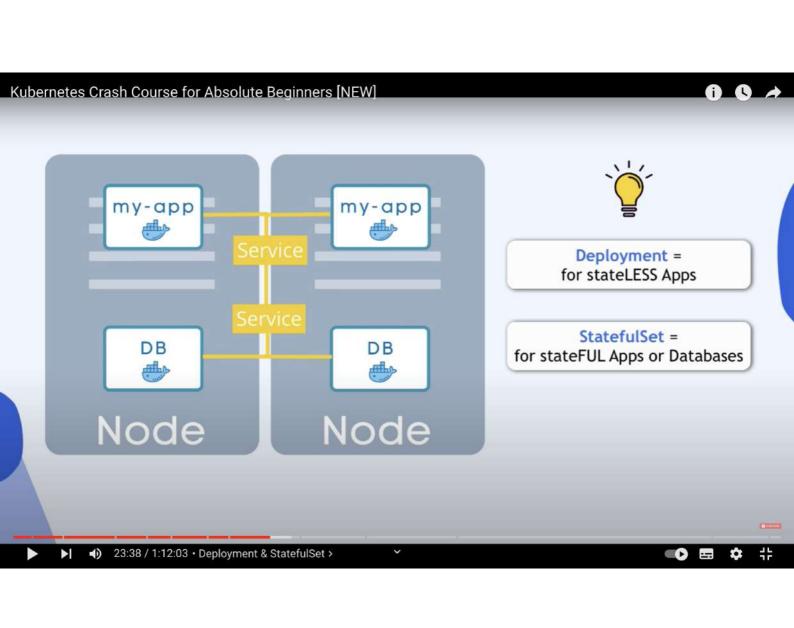


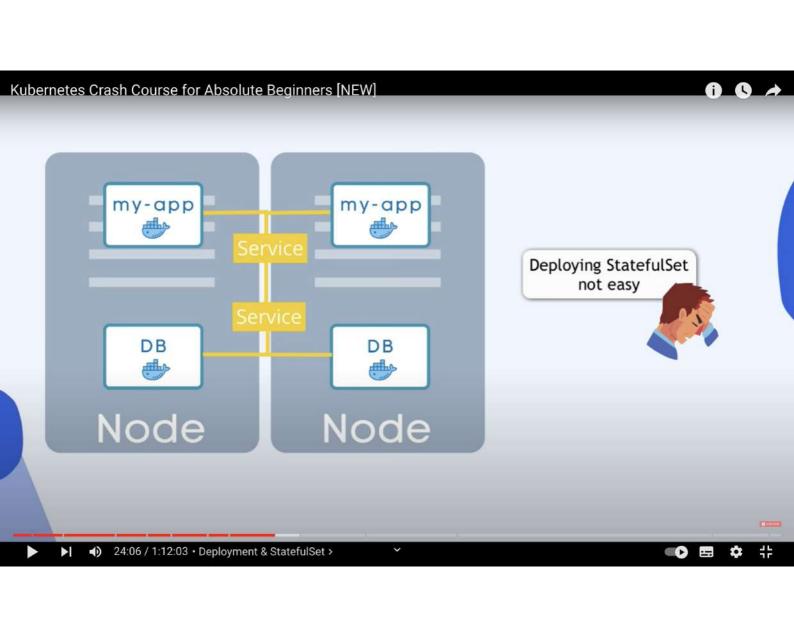


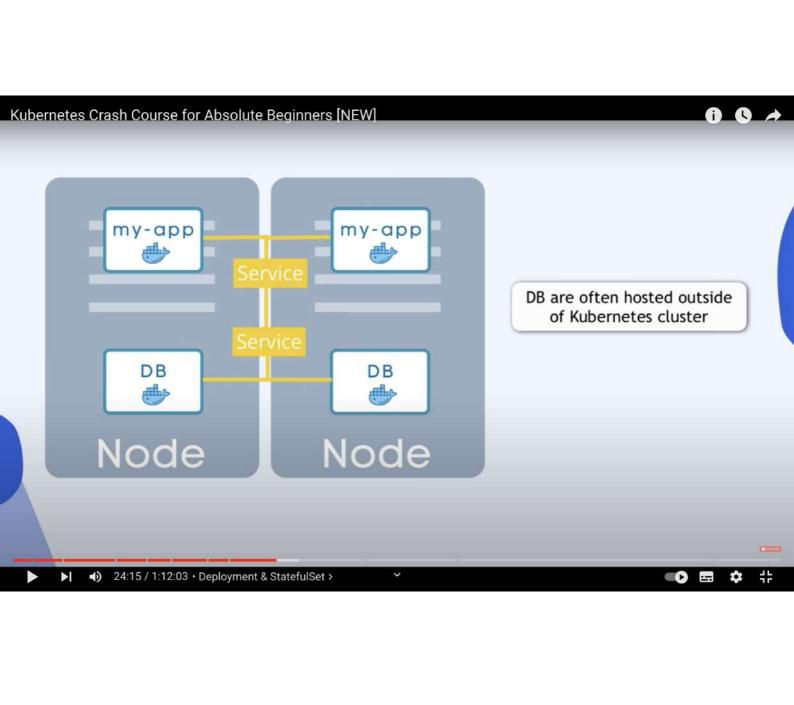
## Define **blueprint** for Pods

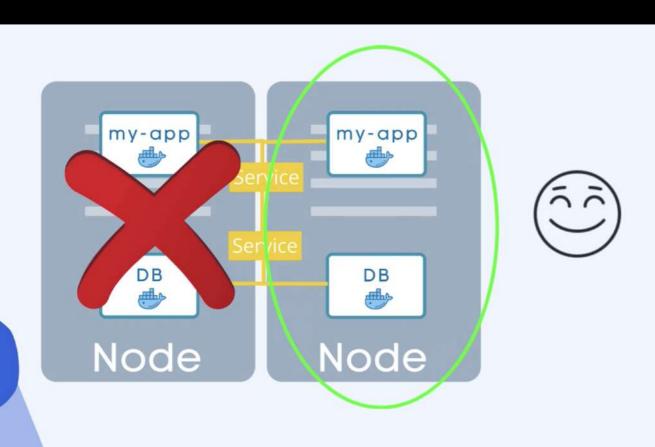
Specify how many replicas you want to have

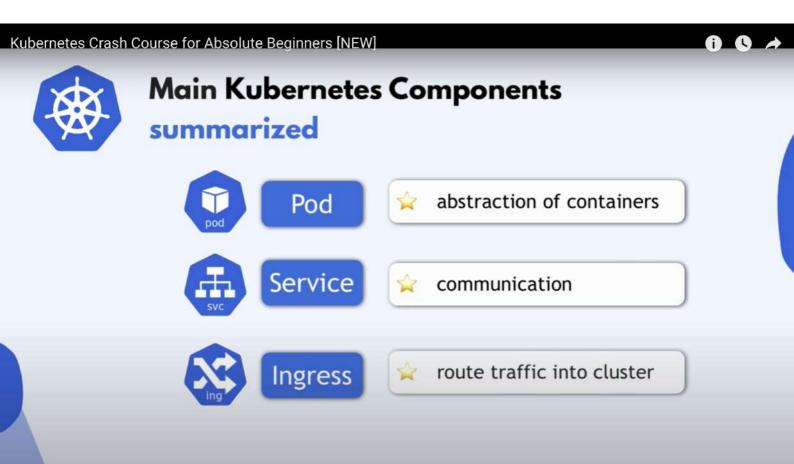












◆) 25:17 / 1:12:03 • Deployment & StatefulSet >

## **Kubernetes Configuration**

