# Working with Pods

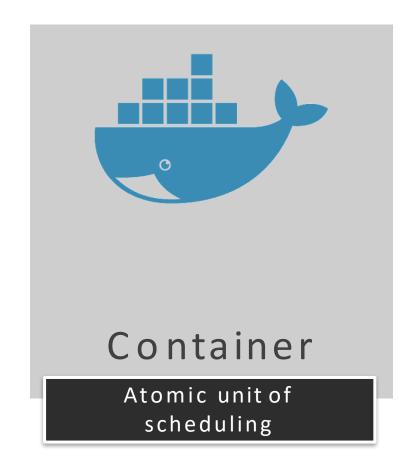


Hands-on

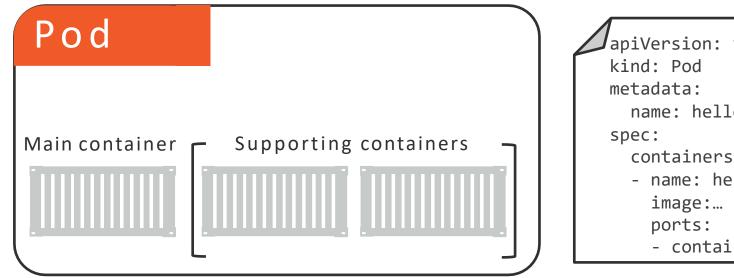
Hypervisor Virtualization

VM

Atomic unit of scheduling

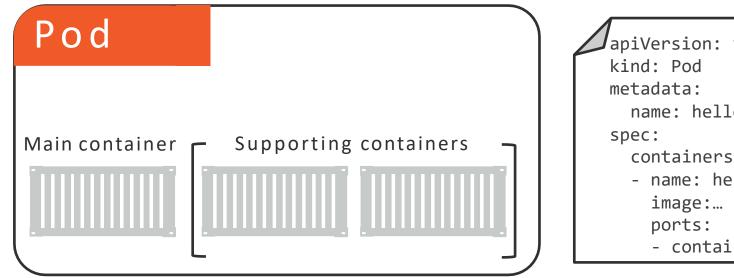






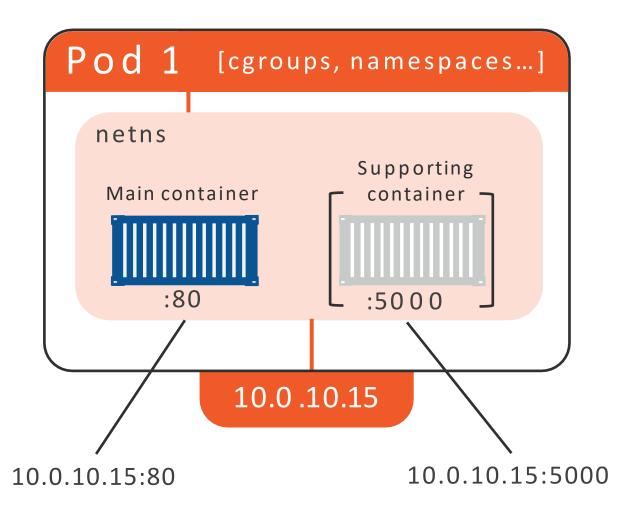
apiVersion: v1
kind: Pod
metadata:
 name: hello-pod
spec:
 containers:
 - name: hello-ctr
 image:...
 ports:
 - containerPort: 8080

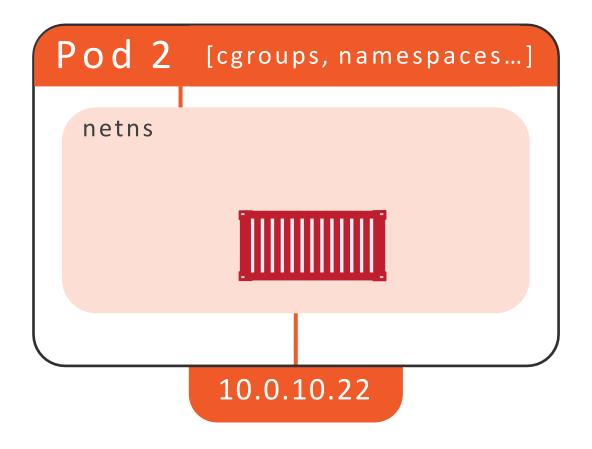




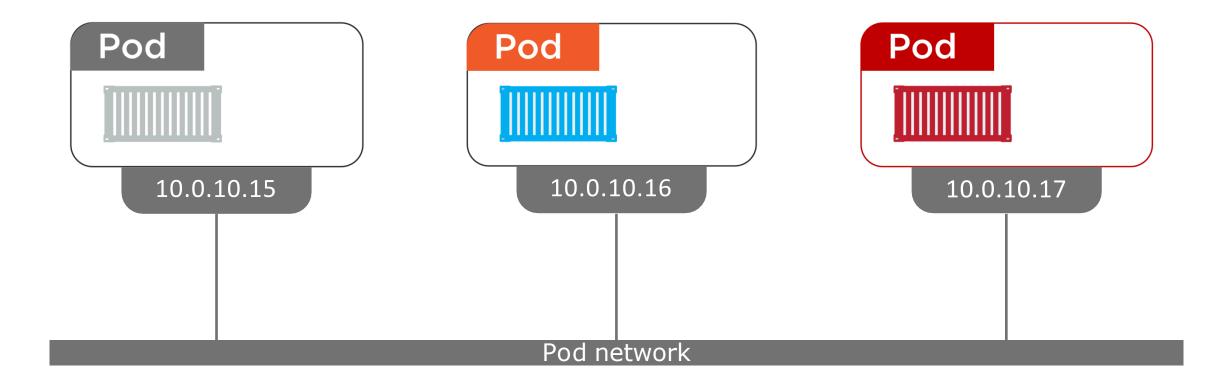
apiVersion: v1
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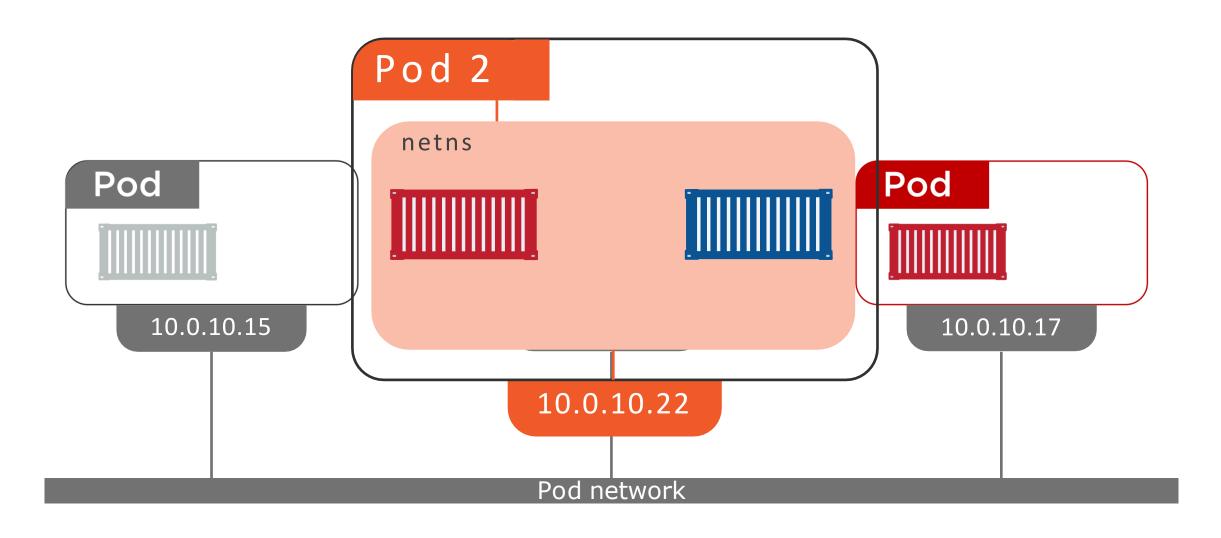




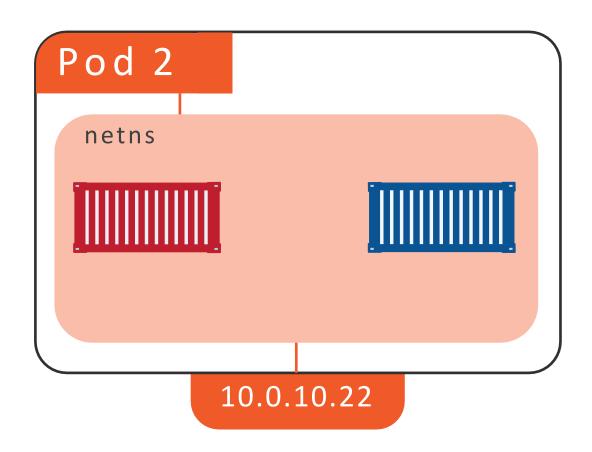
## Inter-pod Communication



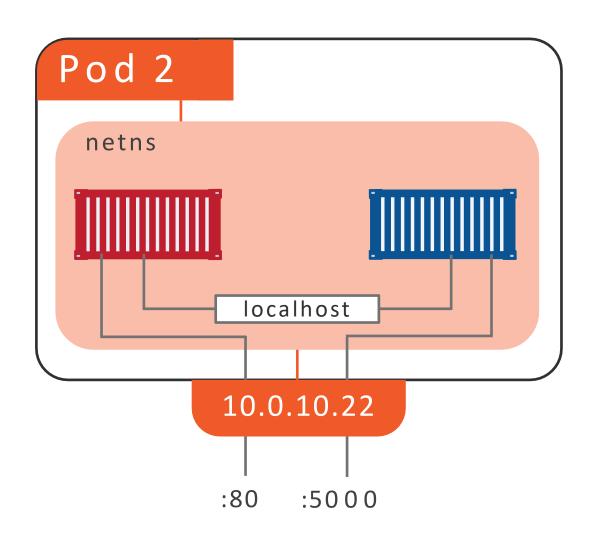
#### Inter-pod Communication



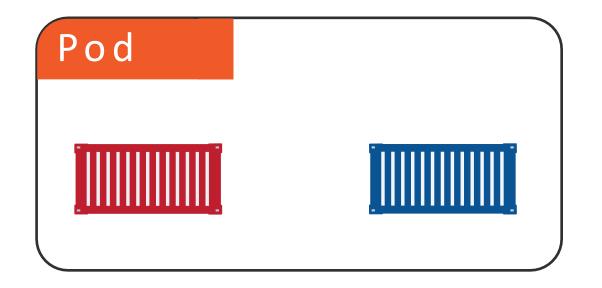
# Intra-pod Communication

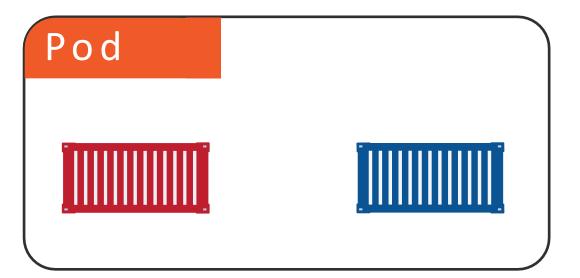


# Intra-pod Communication

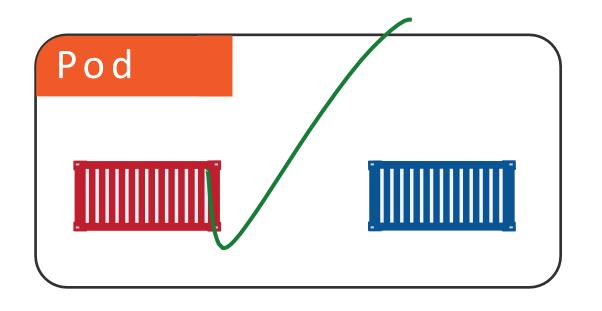


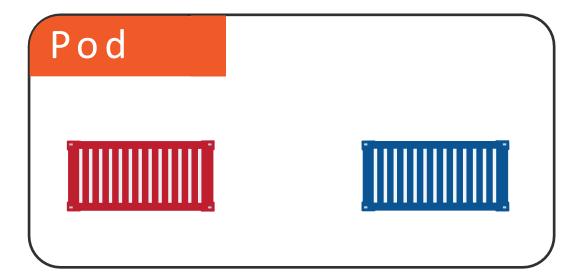
## Pods: Atomic Deployments



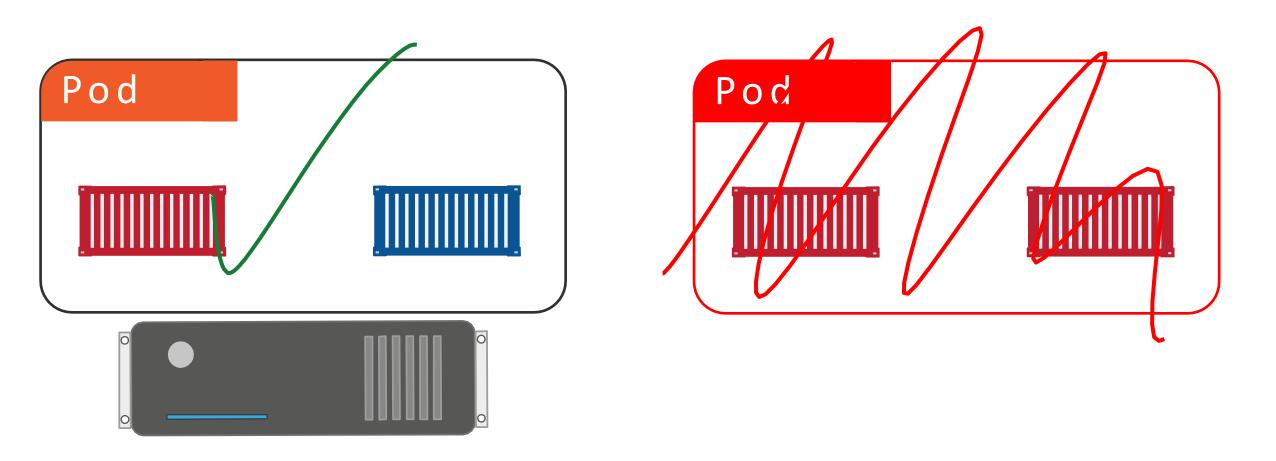


# Pods: Atomic Deployments

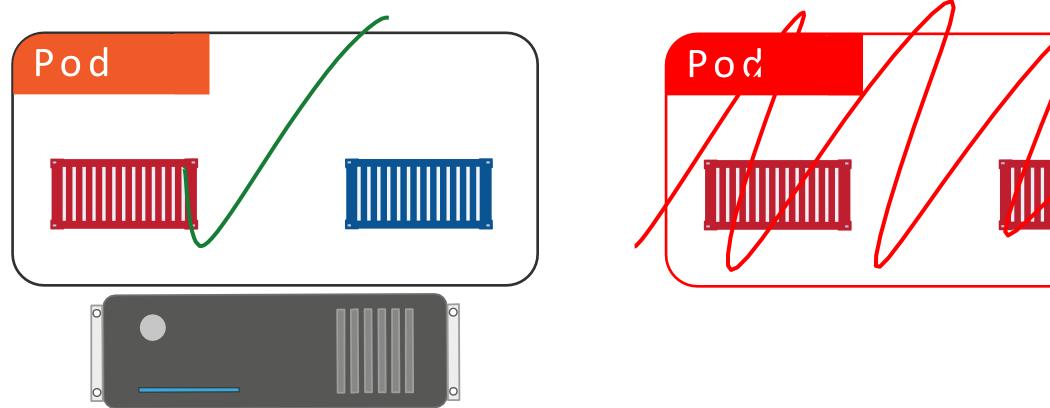


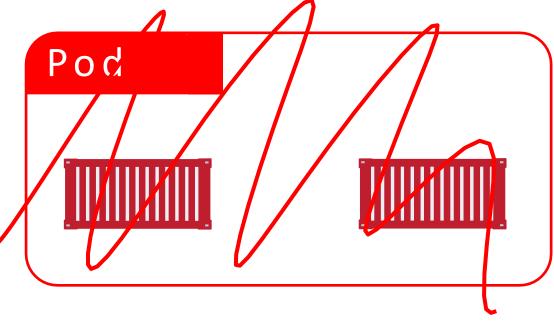


# Pods: Atomic Deployments

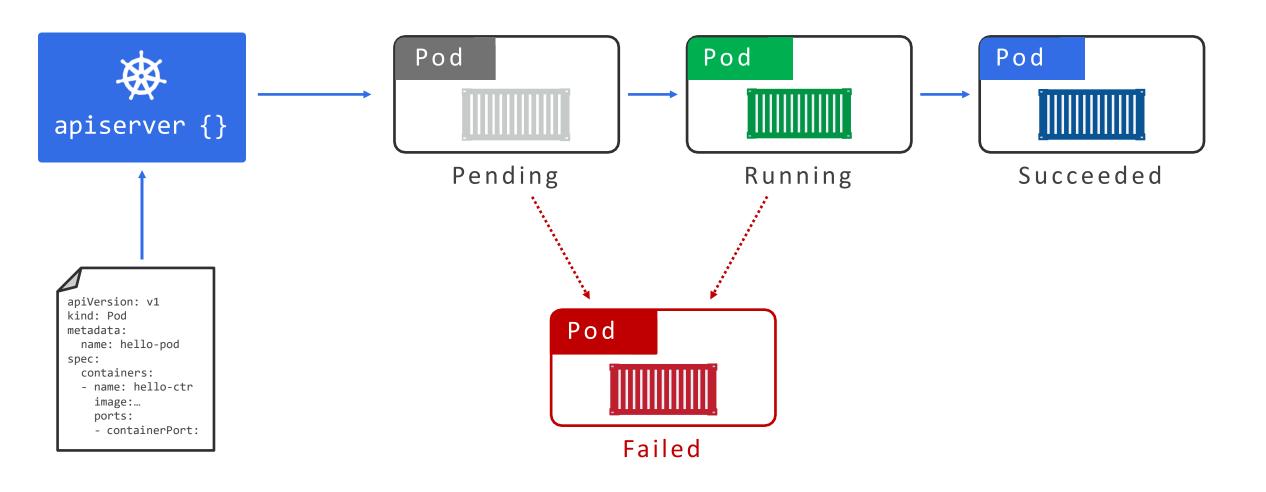


# Pods:





#### Pods:



#### Pods:

Smallest/atomic unit of scheduling

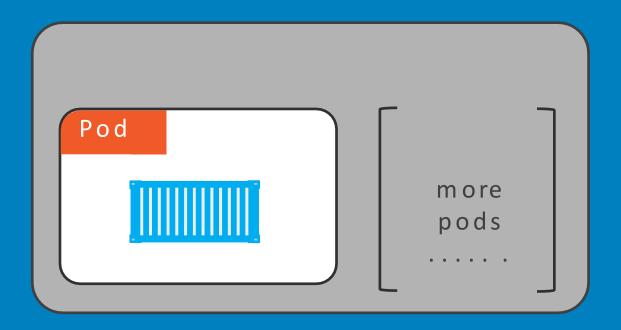
Have one or more containers

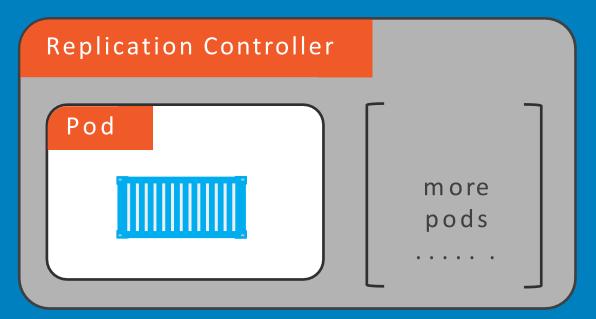
Scheduled on nodes (minions)

Declarative via manifest files

#### \$ kubectl







#### Summary

Smallest unit of scheduling (Atomic)

Pod manifests
(YAML or JSON)

Deployed via other objects

(Replication Controllers etc...)

Replication Controllers

(Implement desired state)

