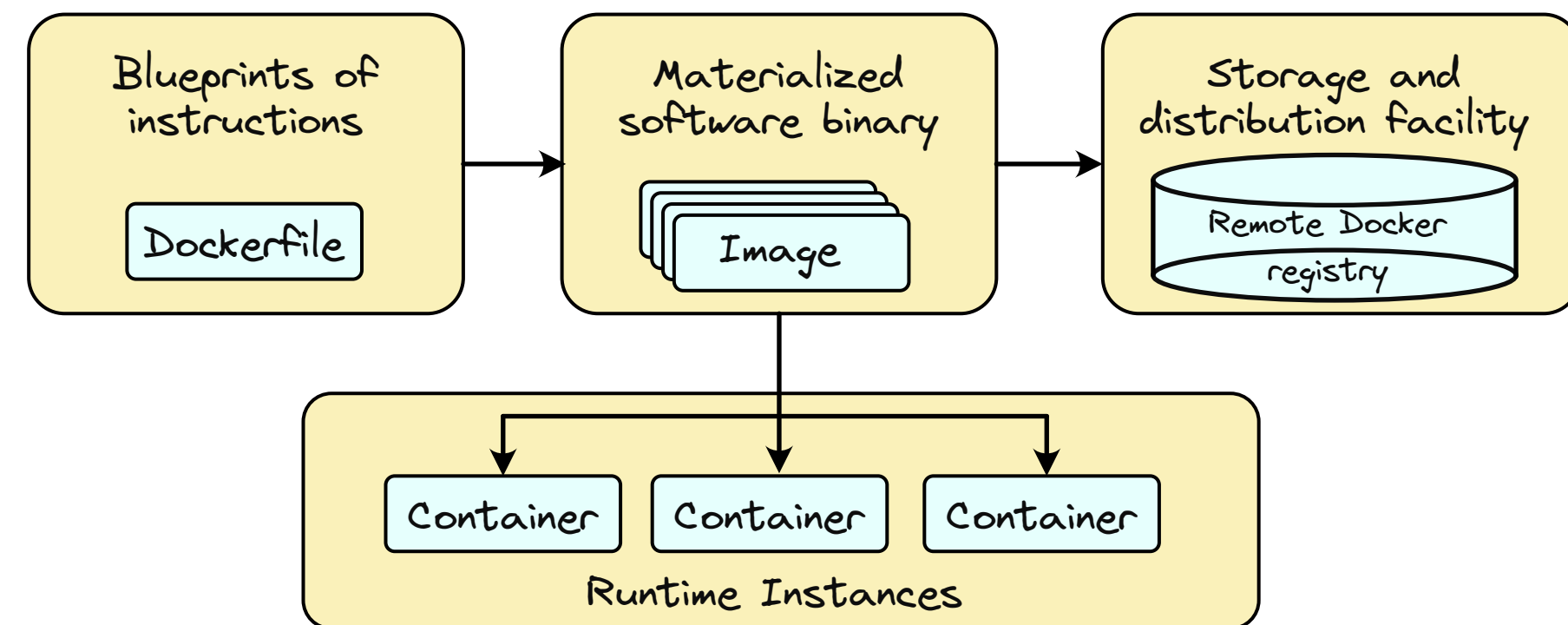


PODS

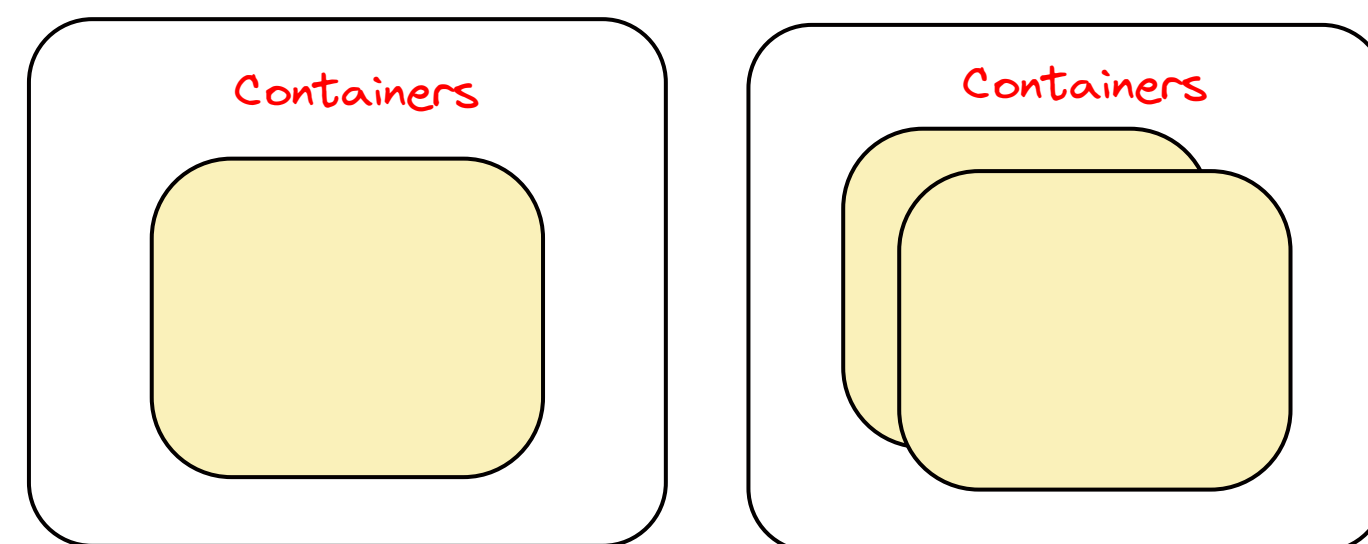
Containerization Process



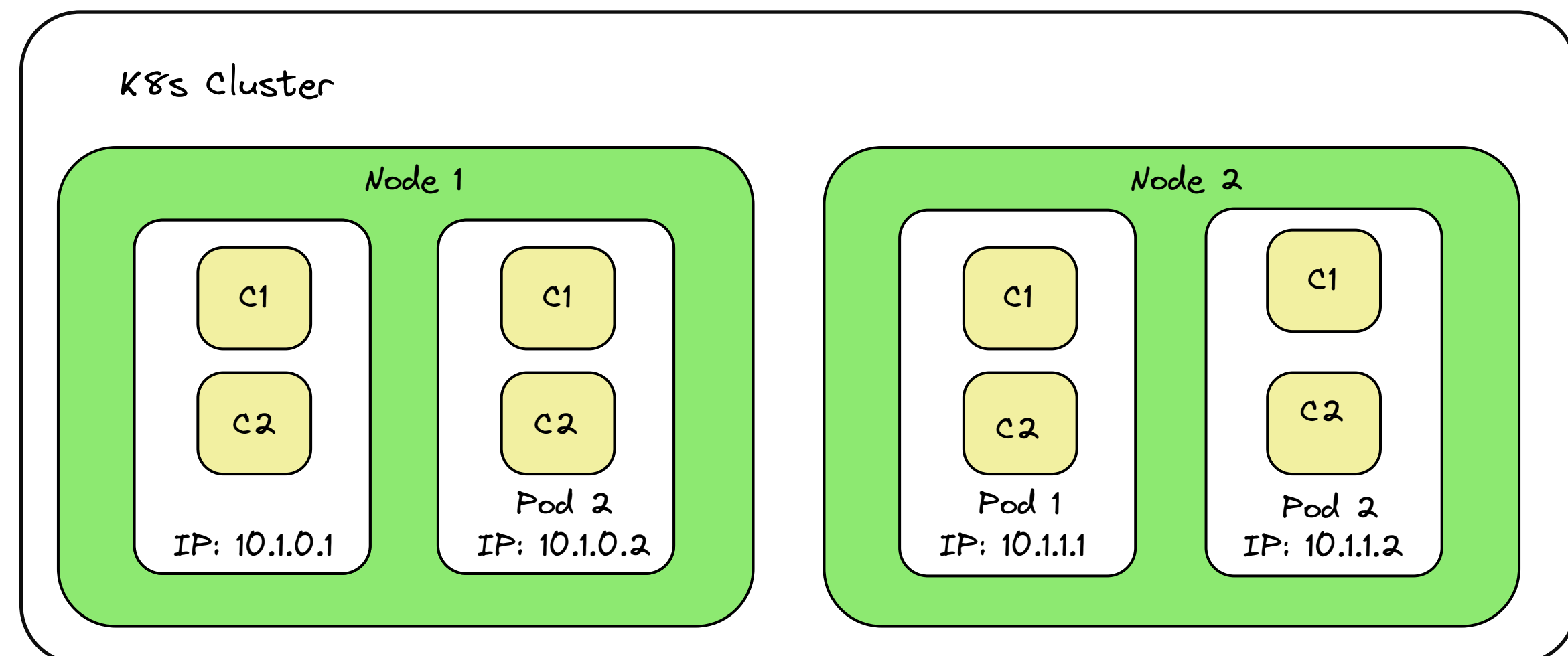
What is a Pod?

Single-container Pod

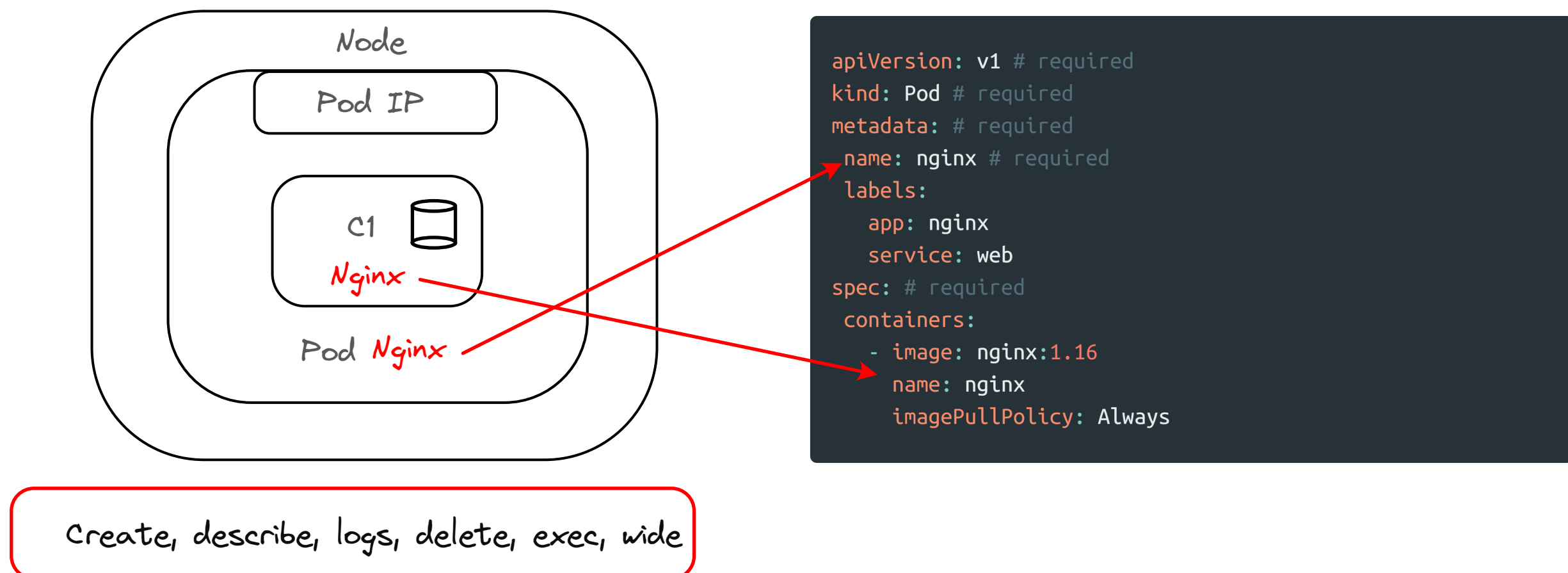
Multi-container Pod



K8s cluster

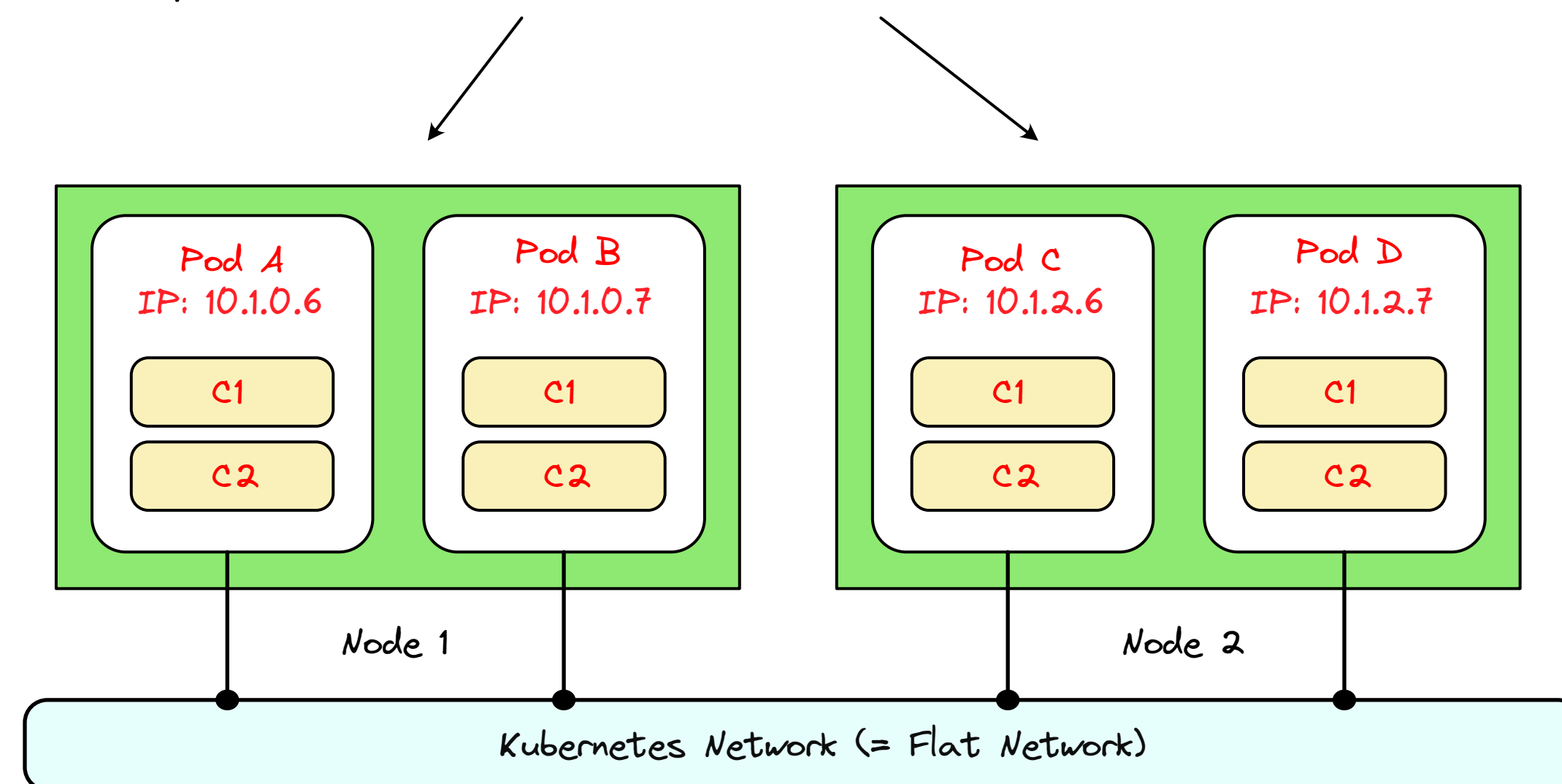


What can I do with a Pod?



Networking

Every pod has an IP address assigned. All containers in the Pod share that address. If there are multiple containers in the Pod, they can communicate on the localhost address



All Pods are connected to the virtual network managed by Kubernetes. They can communicate by IP address, even if they are running on different nodes in the cluster. NO NAT gateways exist between them. When two pods send network packets between each other, they'll each see the actual IP address of the other as the source IP in the packet (Flat Network)

Multiple containers in a Pod

