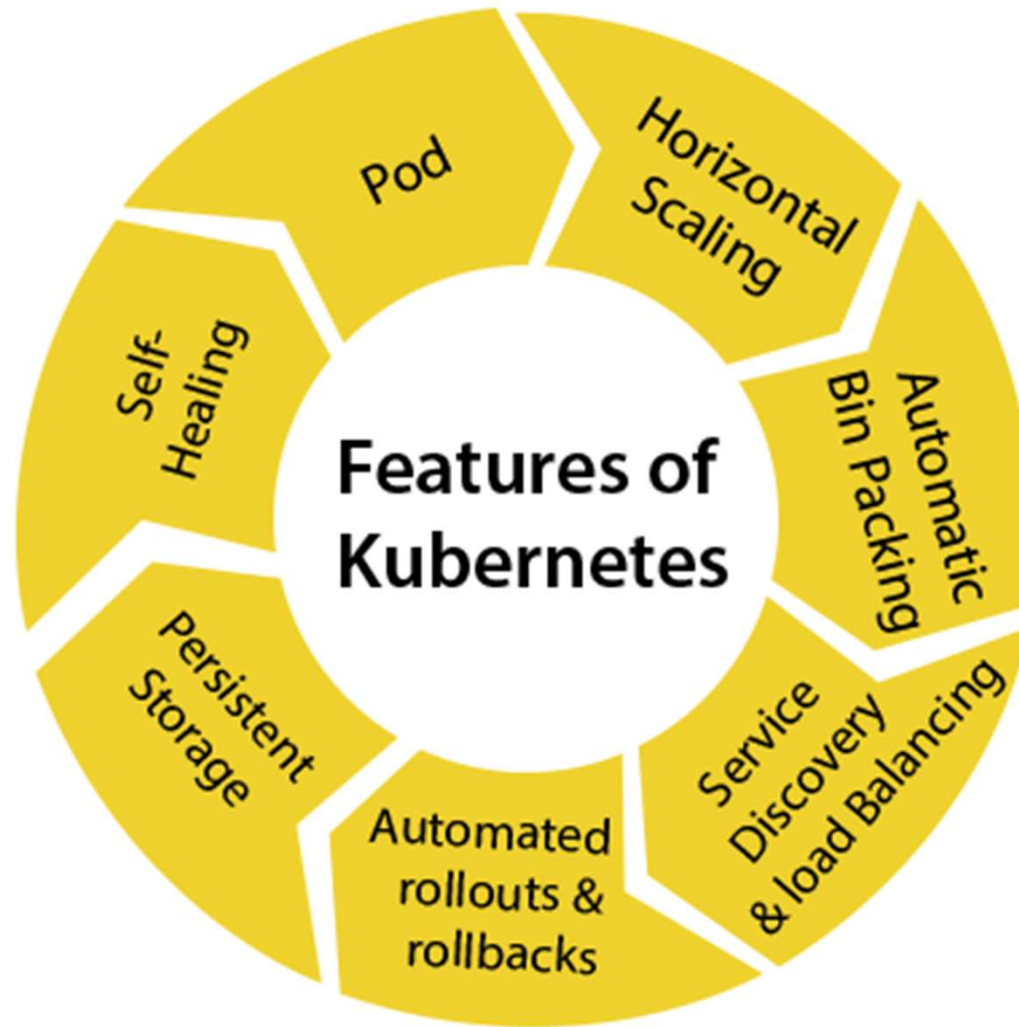
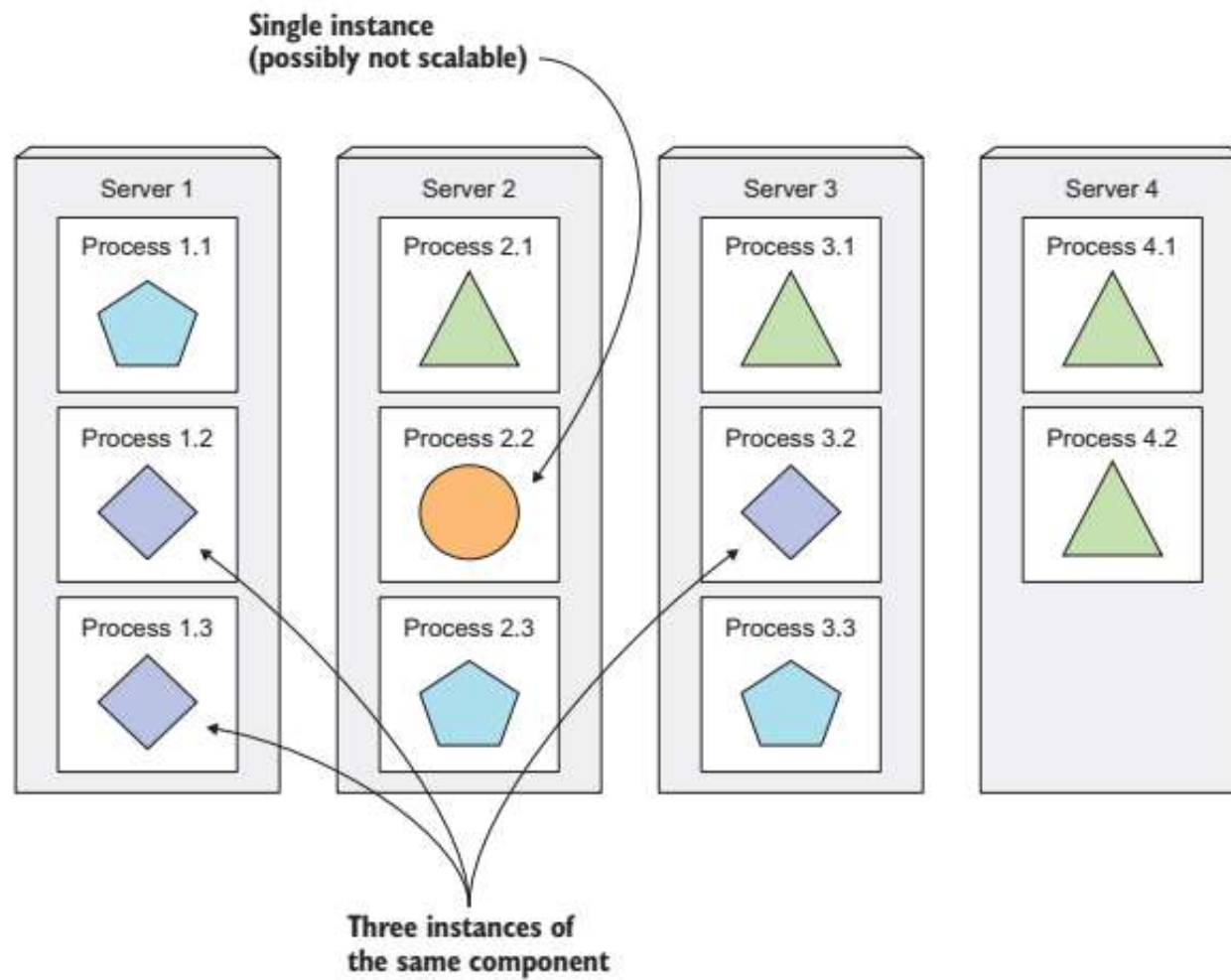


Kubernetes

Features





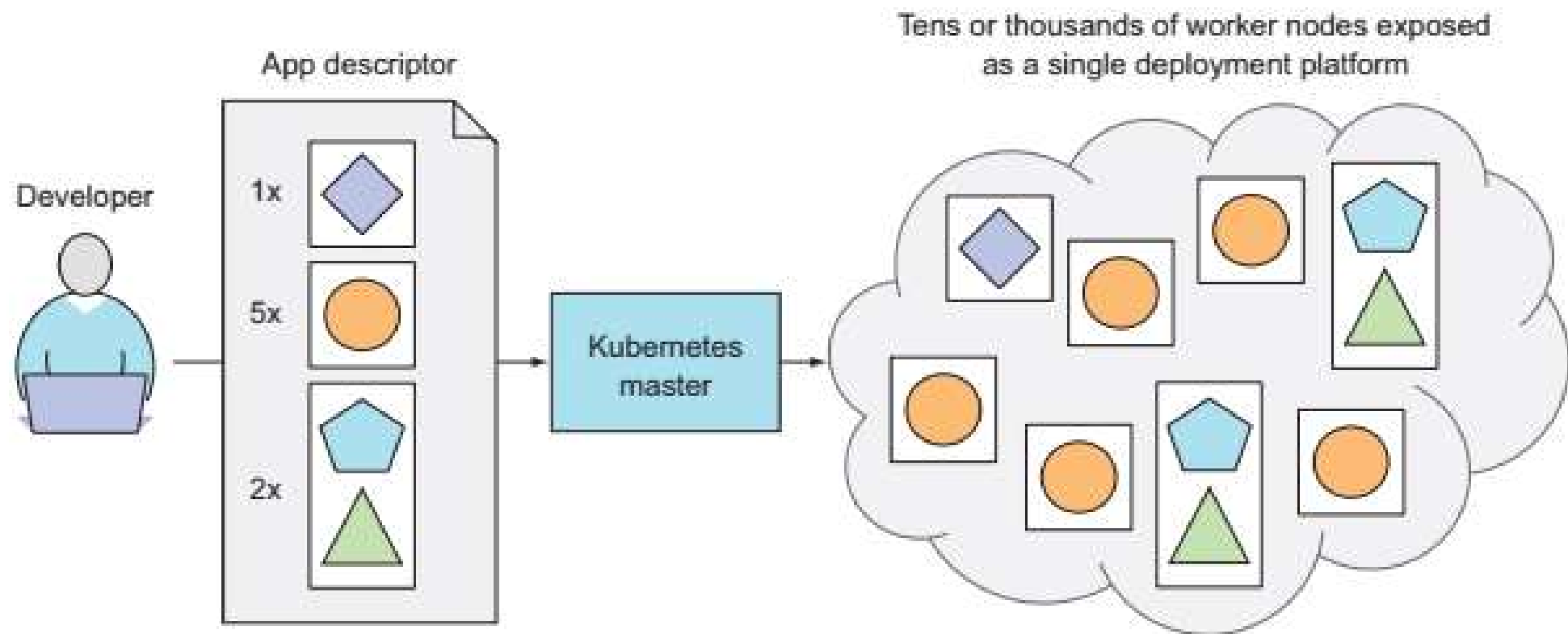


Figure 1.8 Kubernetes exposes the whole datacenter as a single deployment platform.

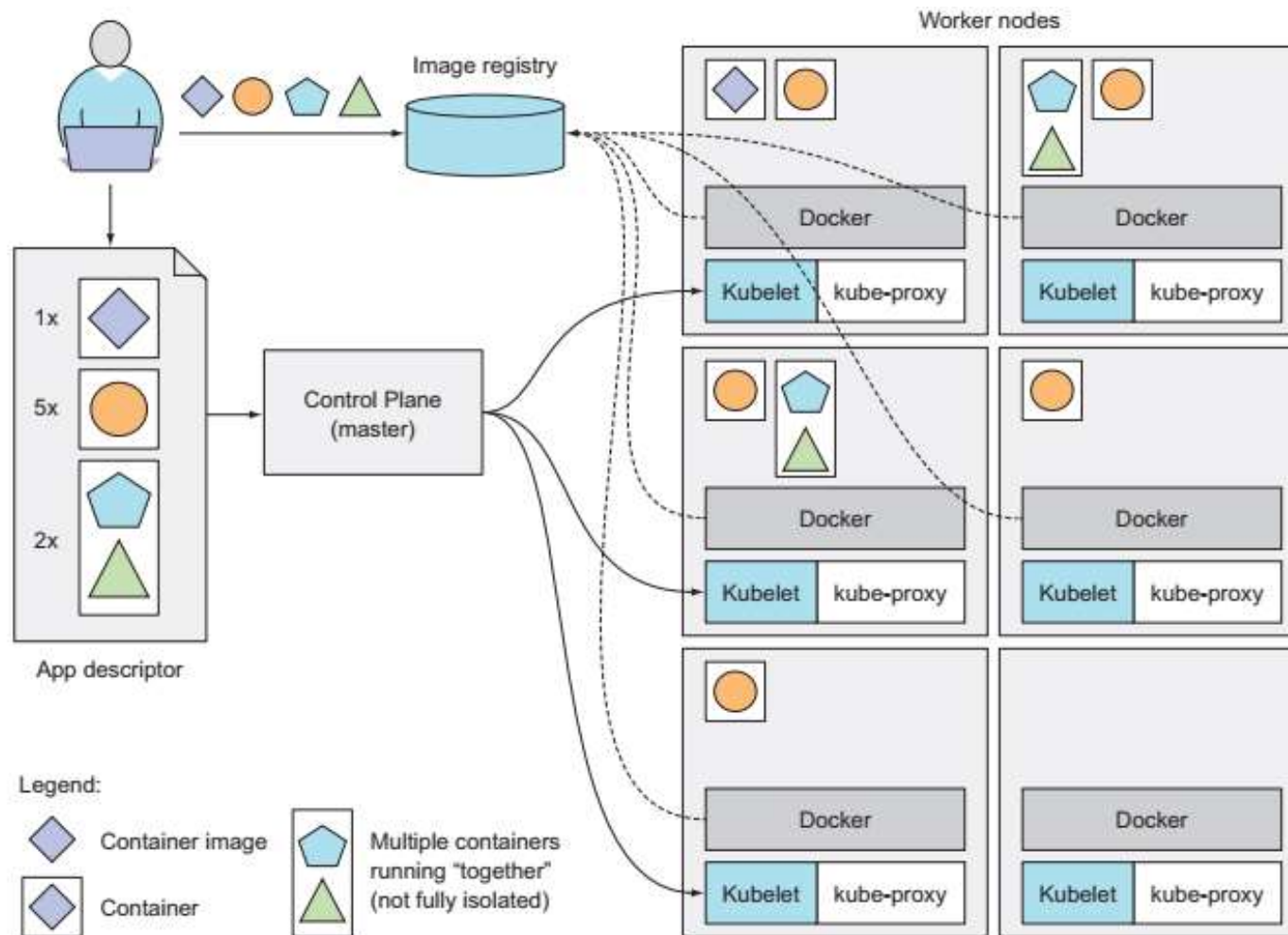


Figure 1.10 A basic overview of the Kubernetes architecture and an application running on top of it

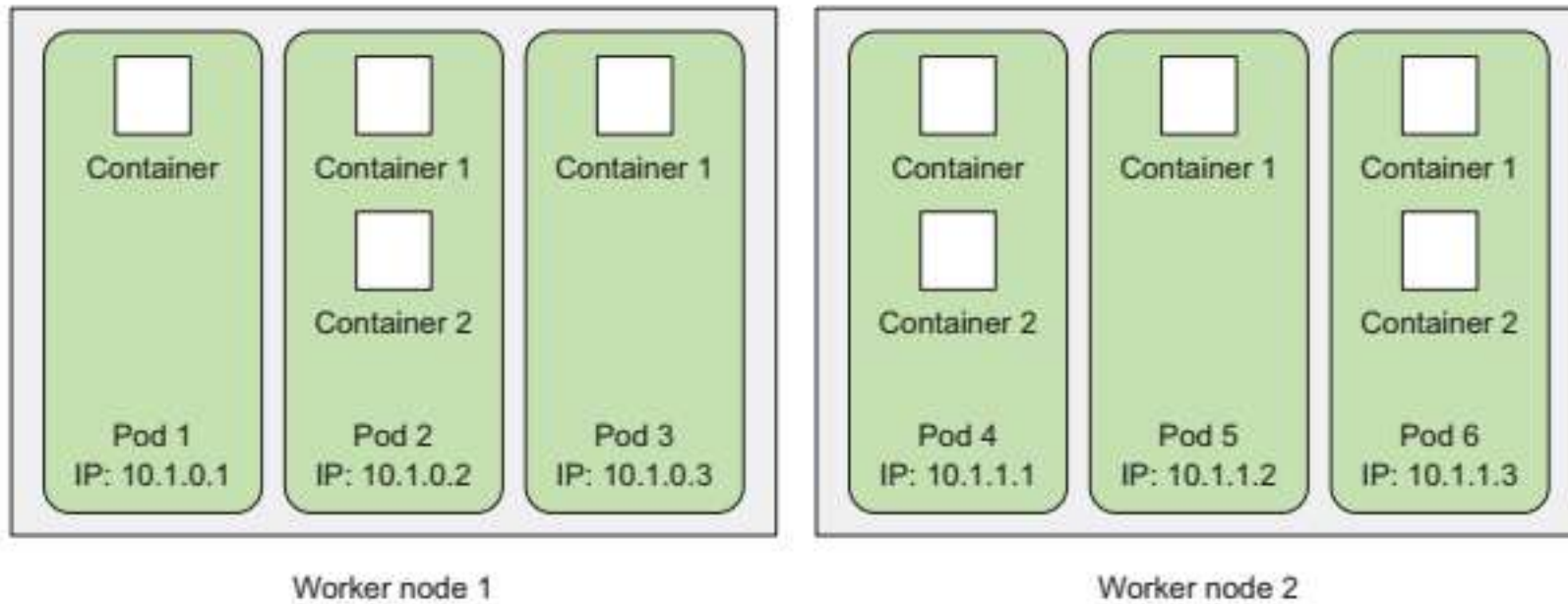


Figure 2.5 The relationship between containers, pods, and physical worker nodes

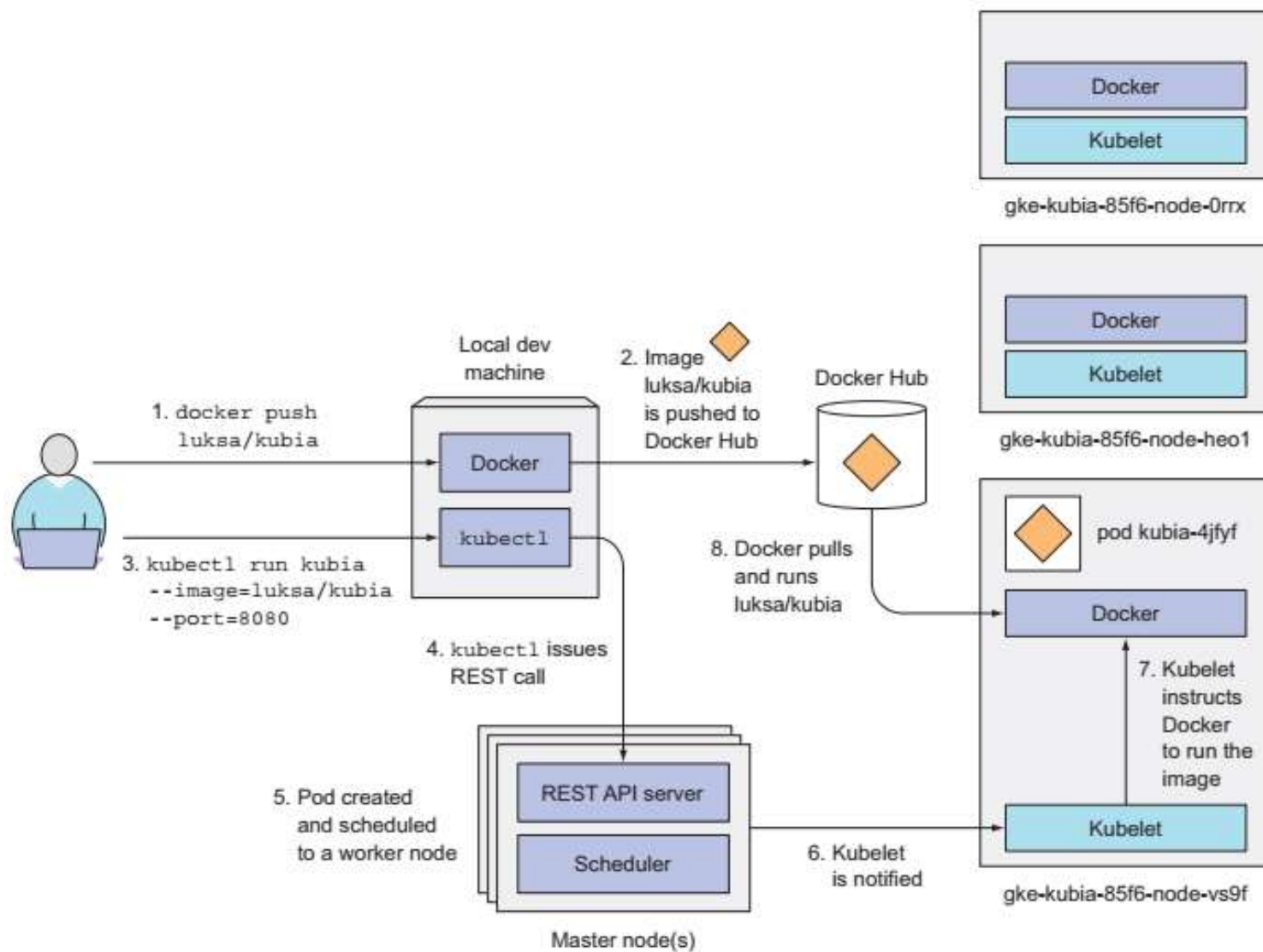
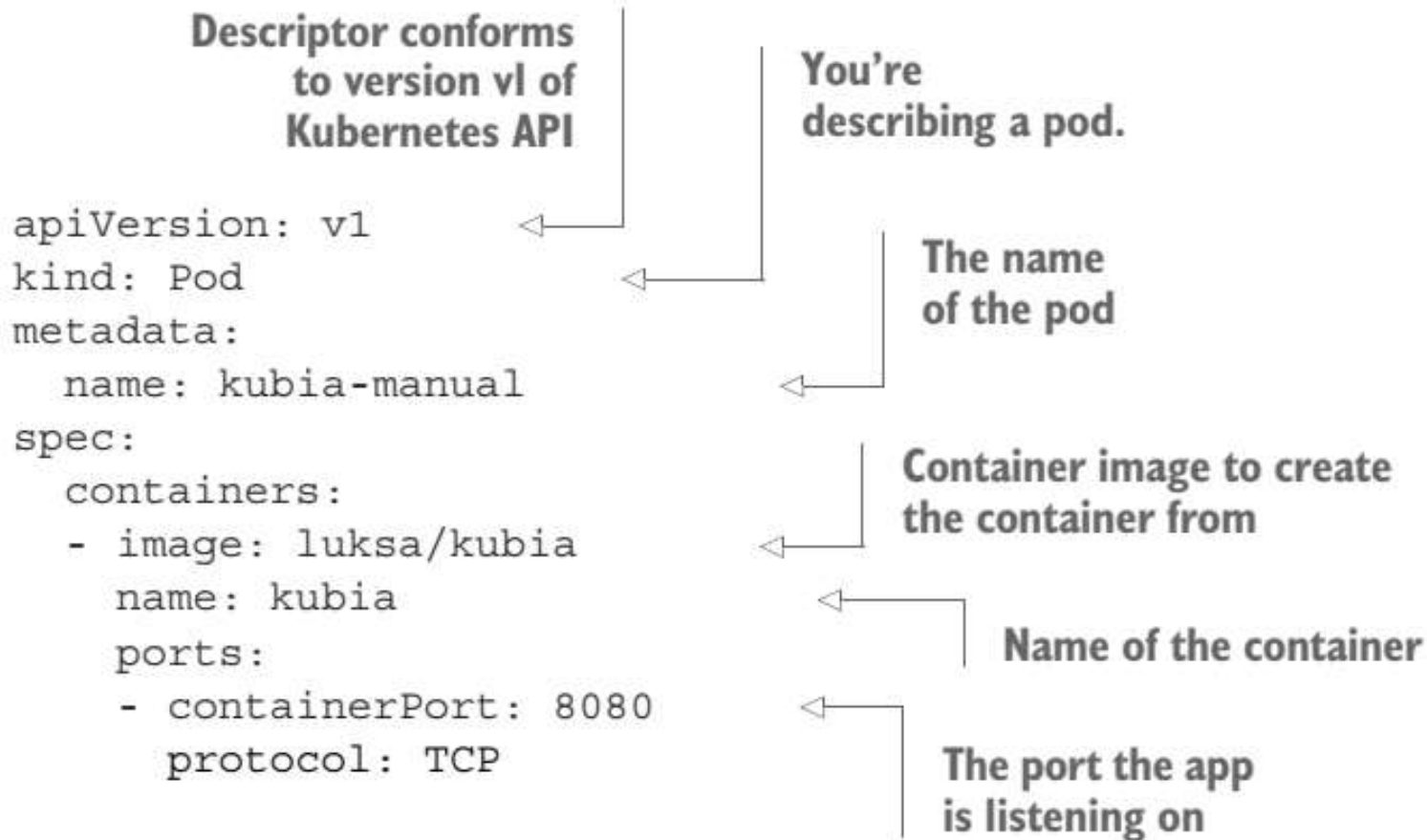


Figure 2.6 Running the luksa/kubia container image in Kubernetes

Listing 3.2 A basic pod manifest: kuba-manual.yaml



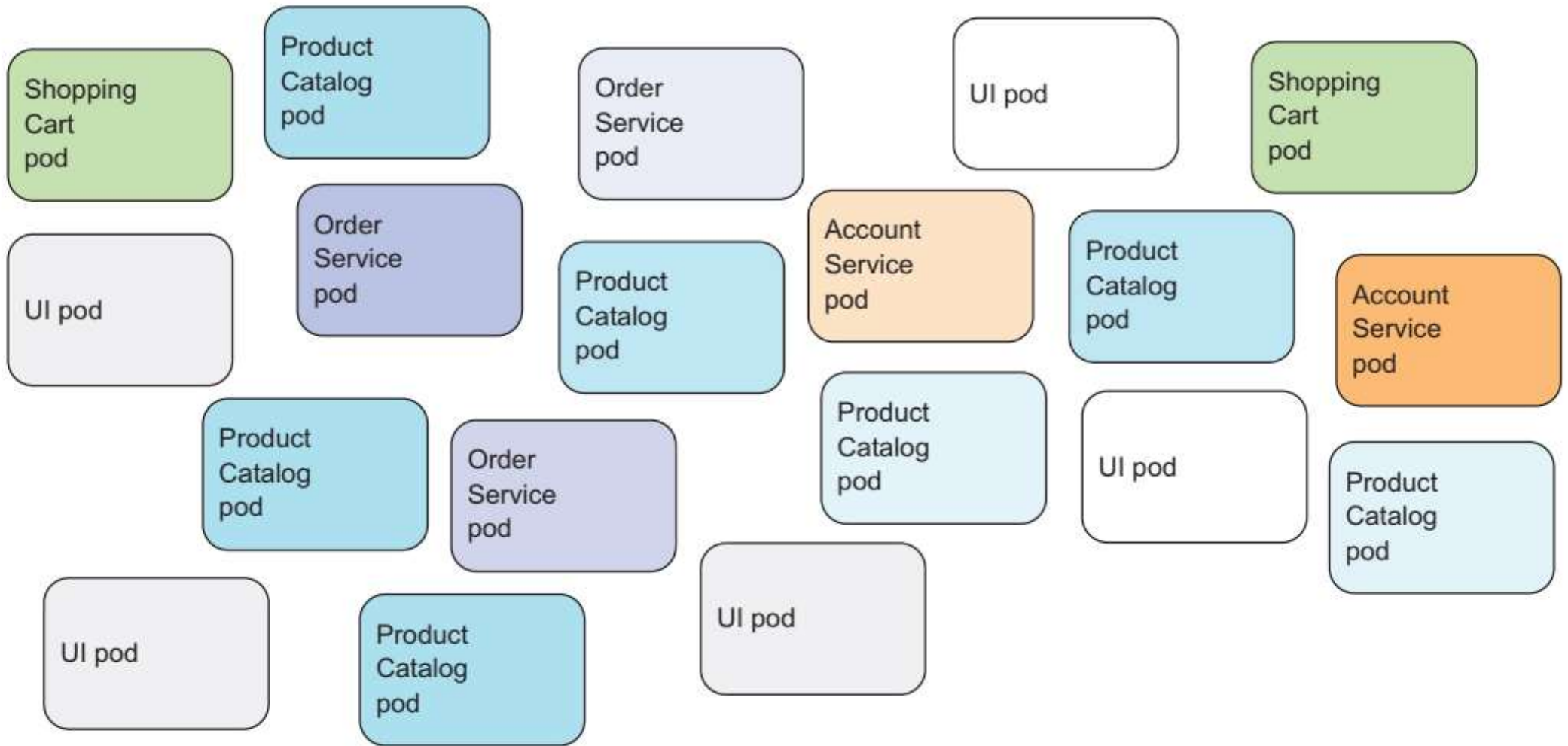


Figure 3.6 Uncategorized pods in a microservices architecture

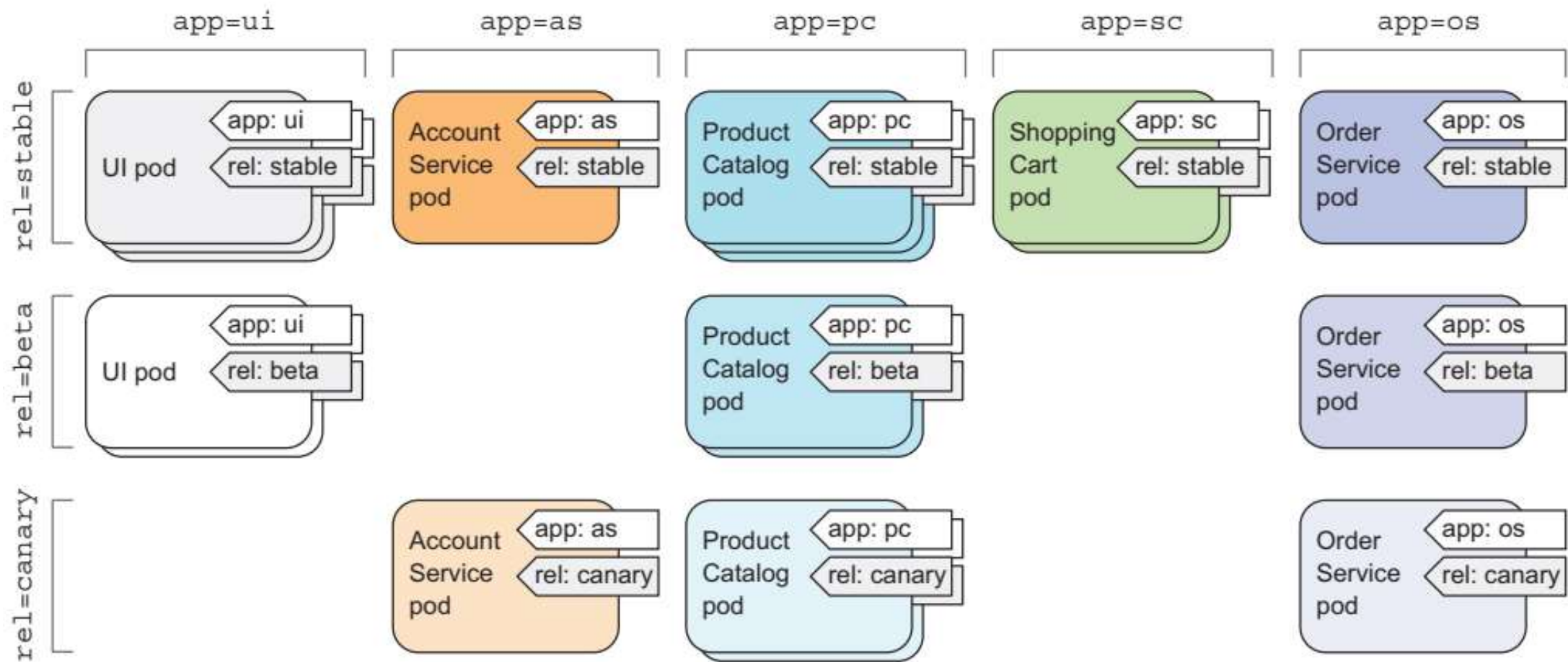


Figure 3.7 Organizing pods in a microservices architecture with pod labels

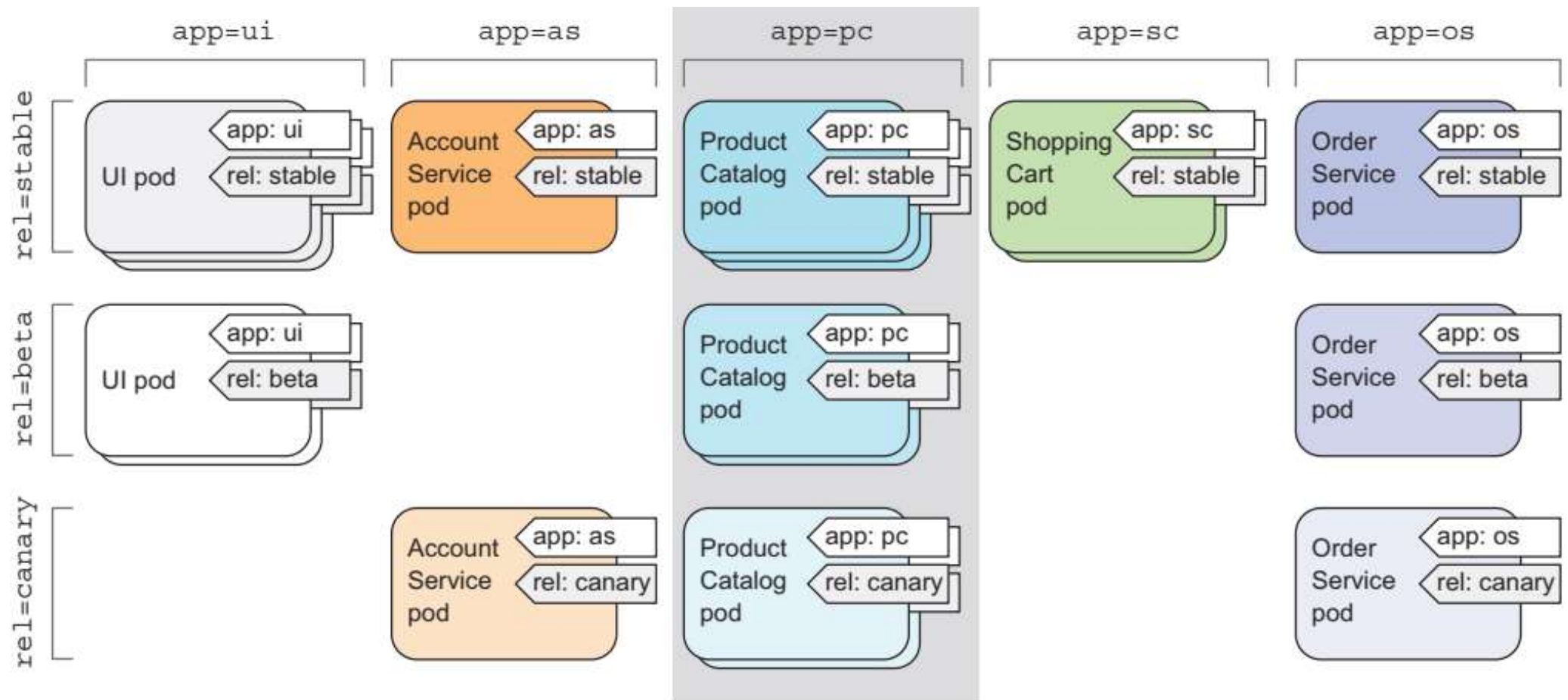


Figure 3.8 Selecting the product catalog microservice pods using the “app=pc” label selector

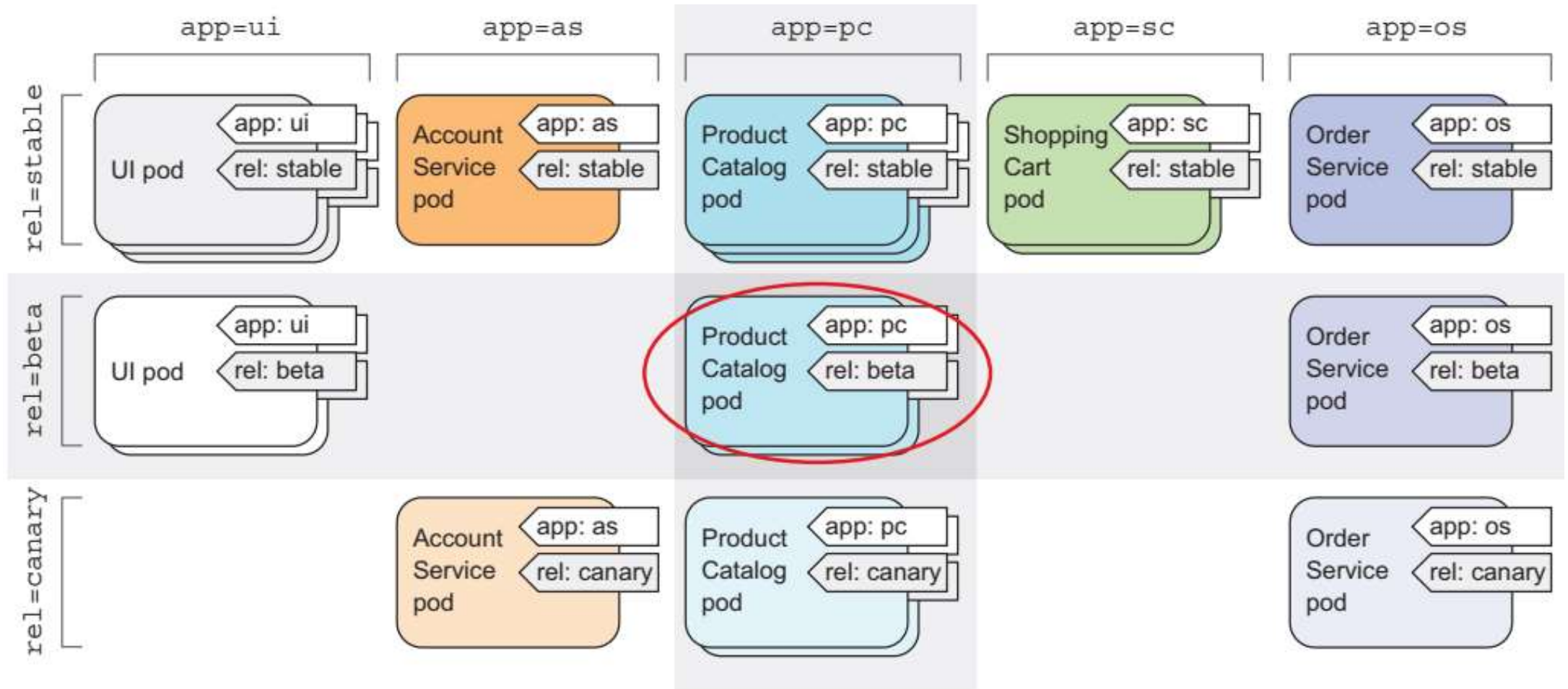


Figure 3.9 Selecting pods with multiple label selectors

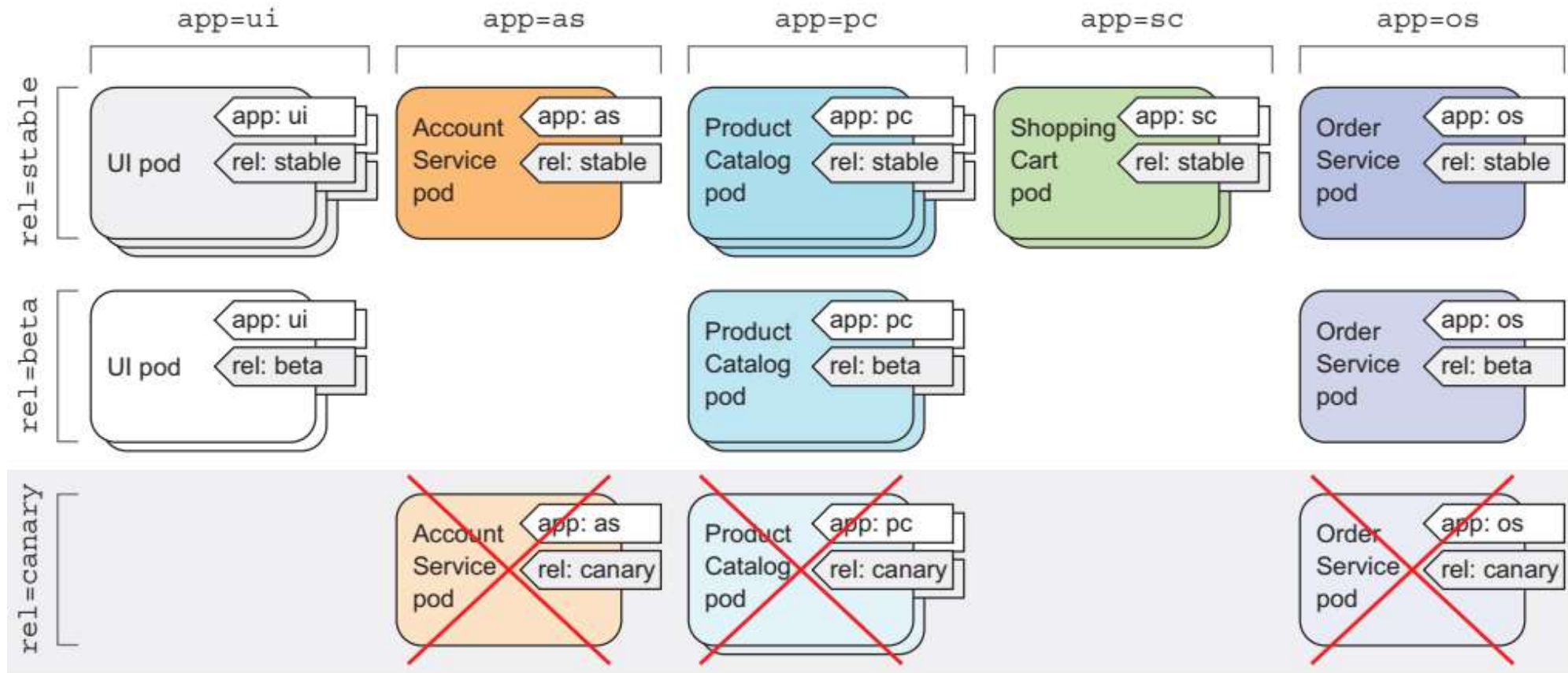


Figure 3.10 Selecting and deleting all canary pods through the `rel=canary` label selector

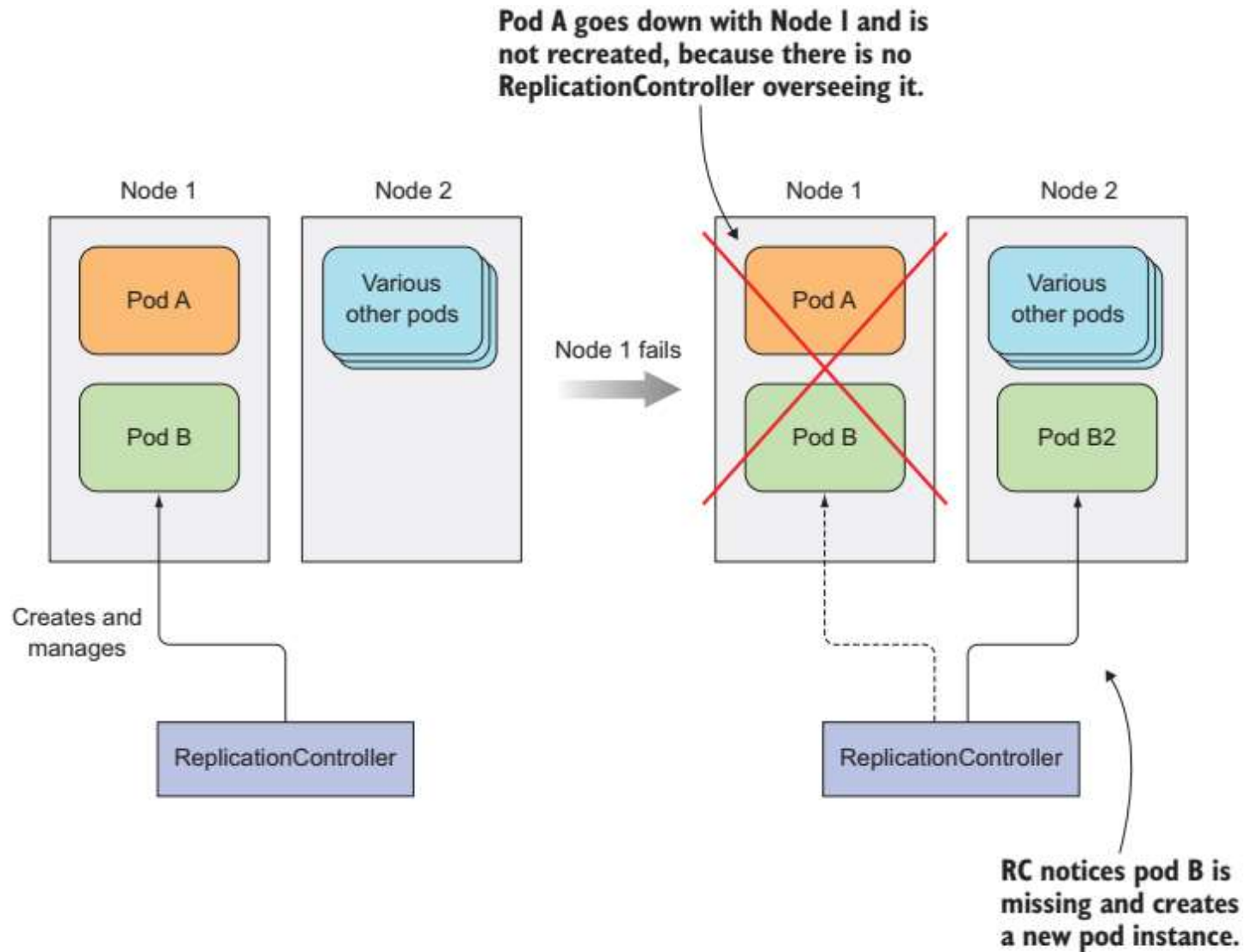


Figure 4.1 When a node fails, only pods backed by a ReplicationController are recreated.

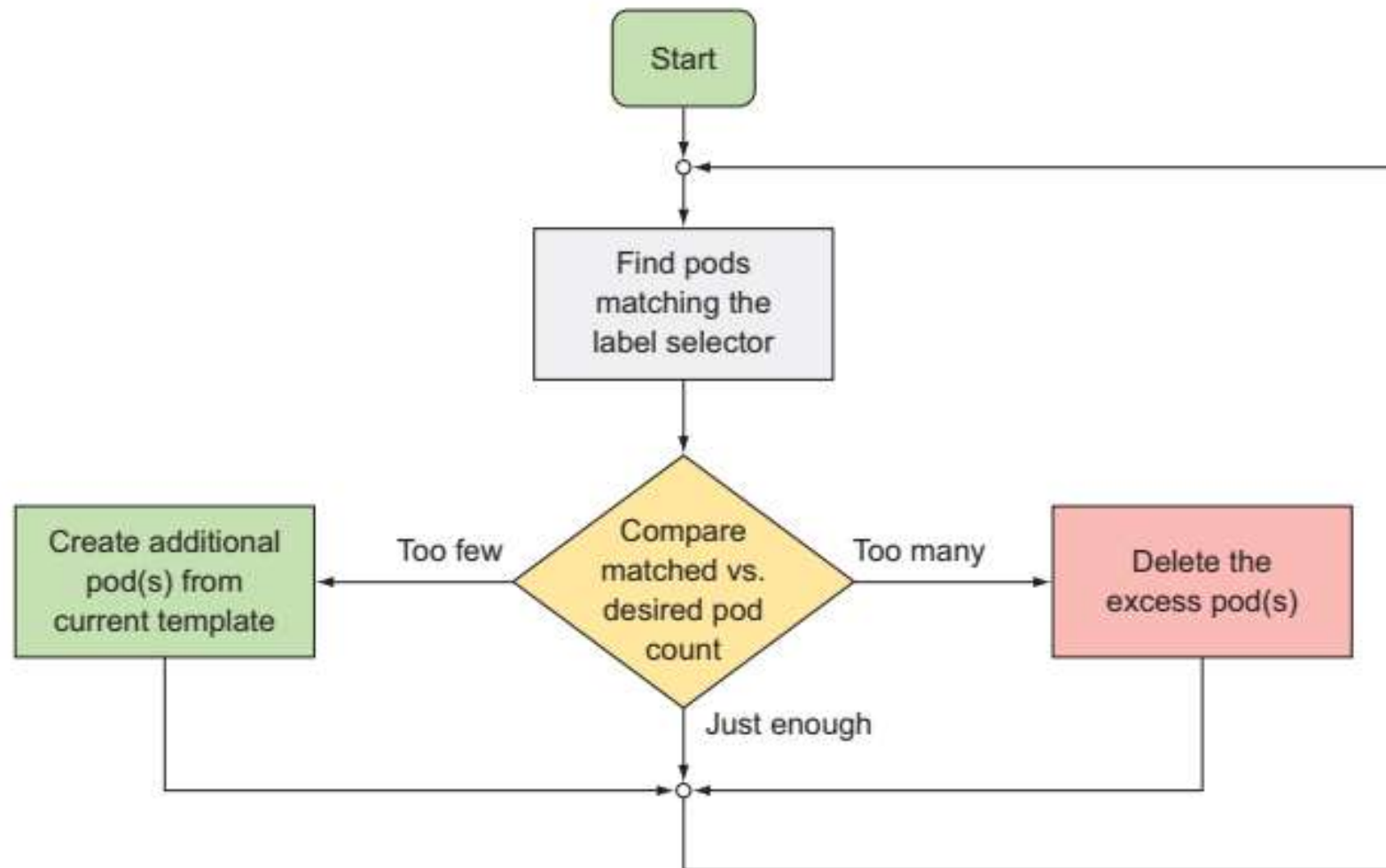
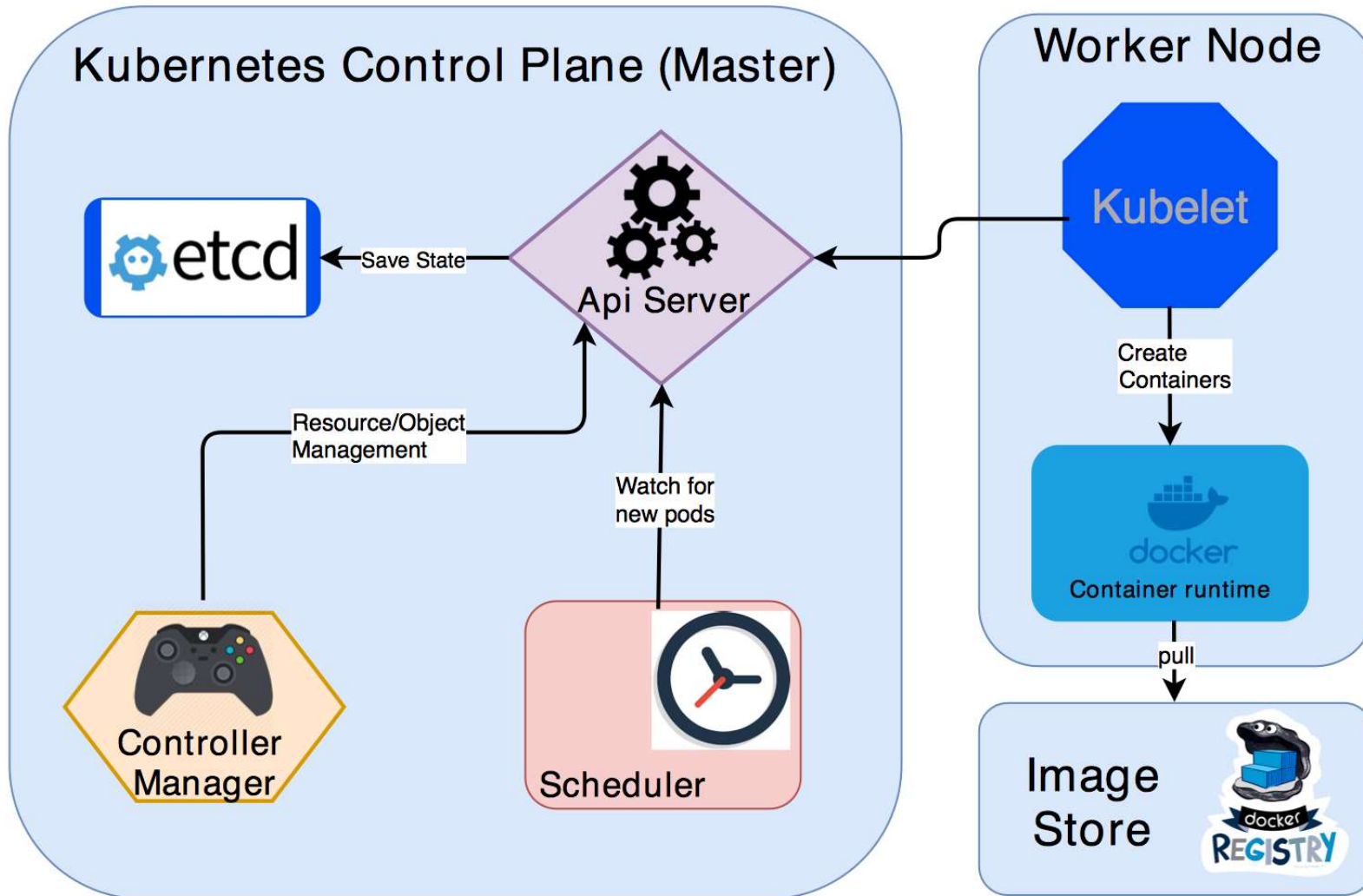


Figure 4.2 A ReplicationController's reconciliation loop

Kubernetes Architecture



Kubernetes setup

Single Server setup using Mini-kube

- Refer:
 - 5-kubernetes.sh

Thanks