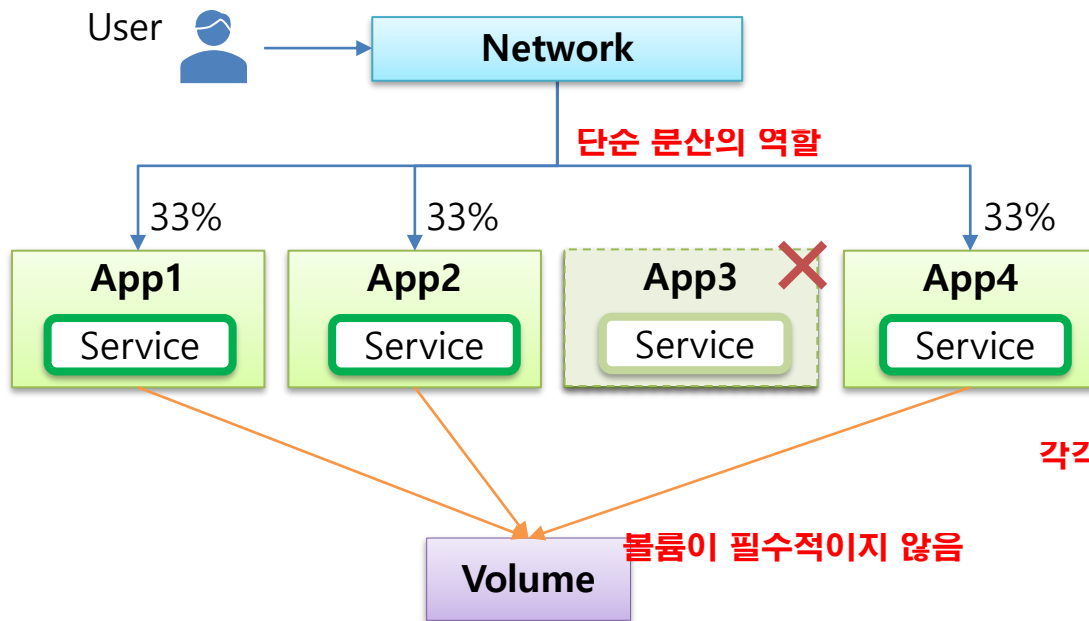
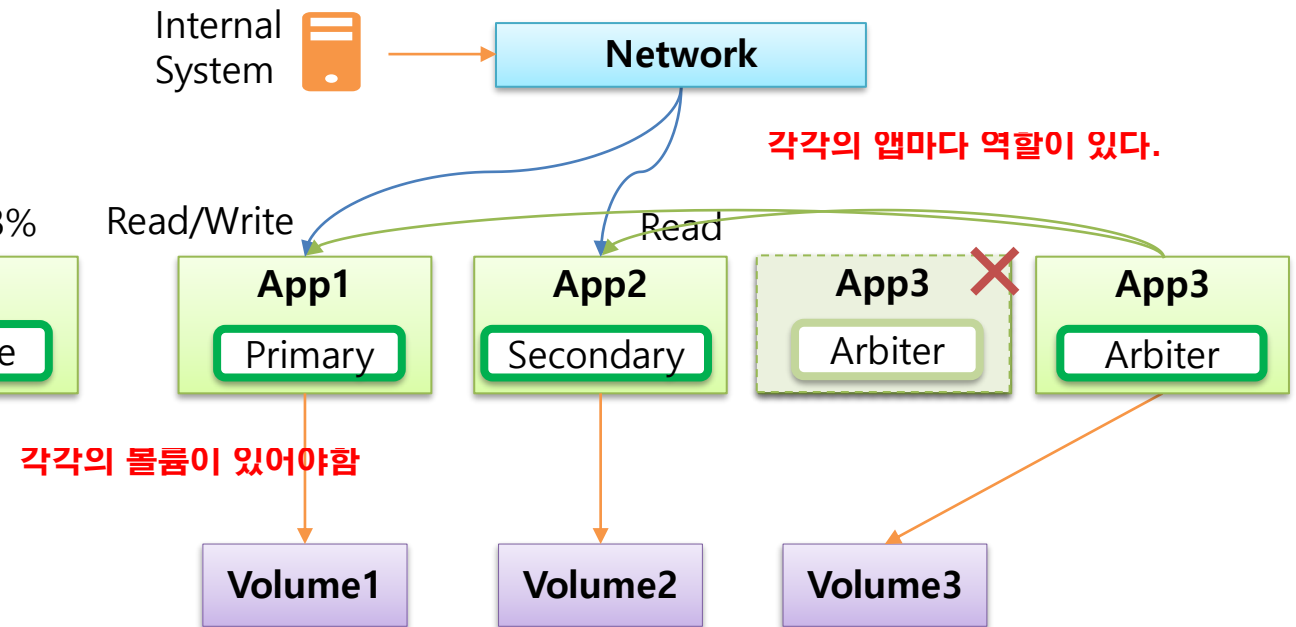


- StatefulSet

Stateless Application Web Server

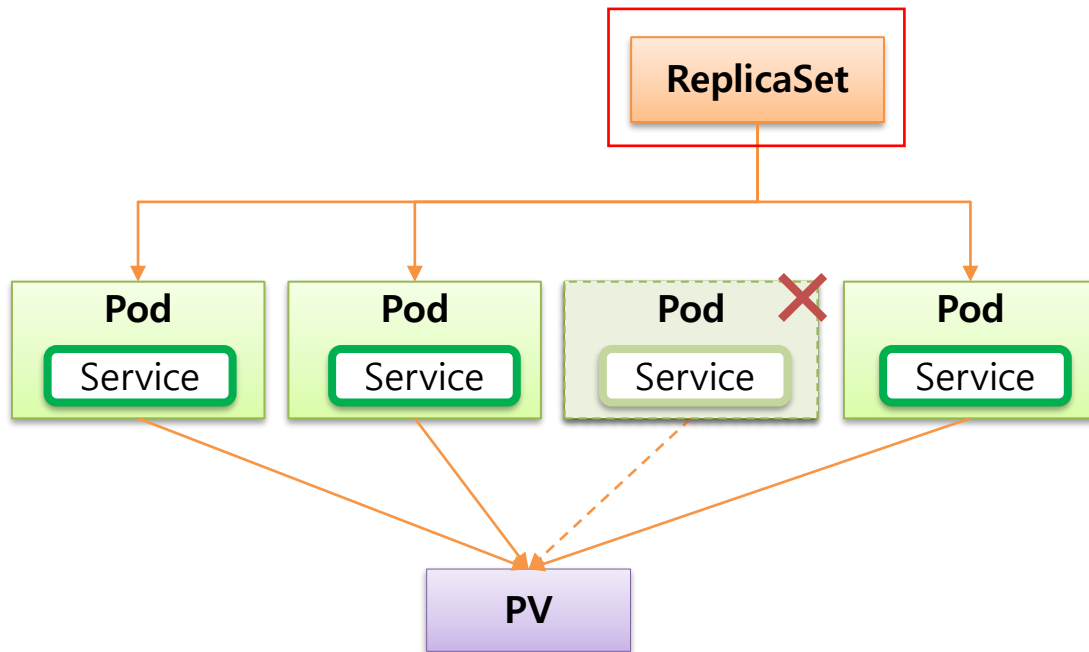


Stateful Application Database

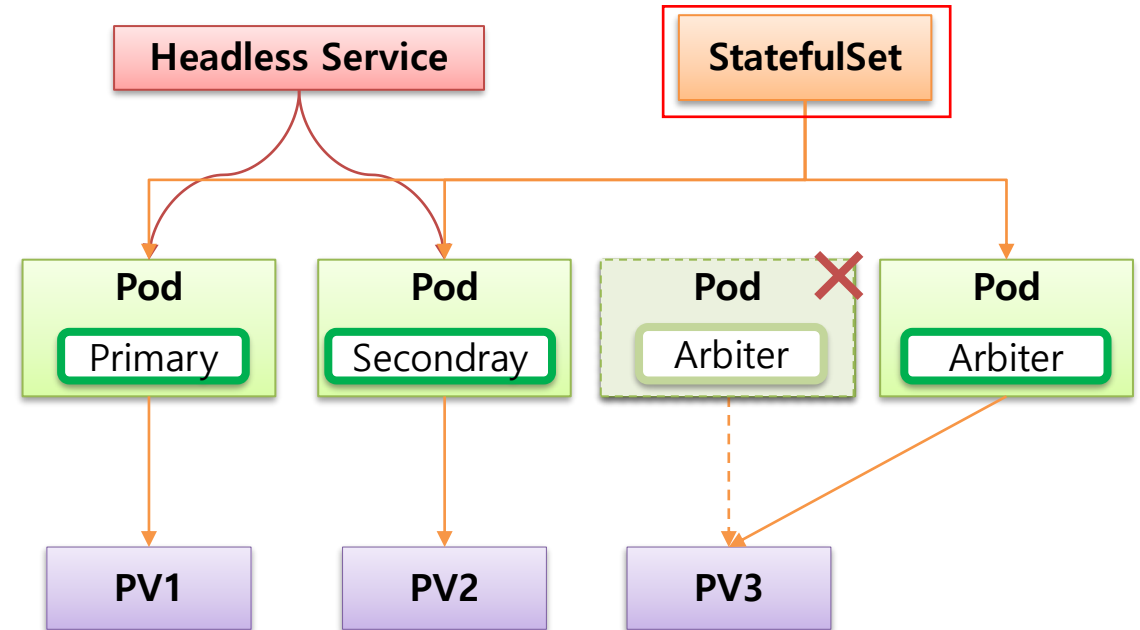


- StatefulSet

Stateless Application Web Server

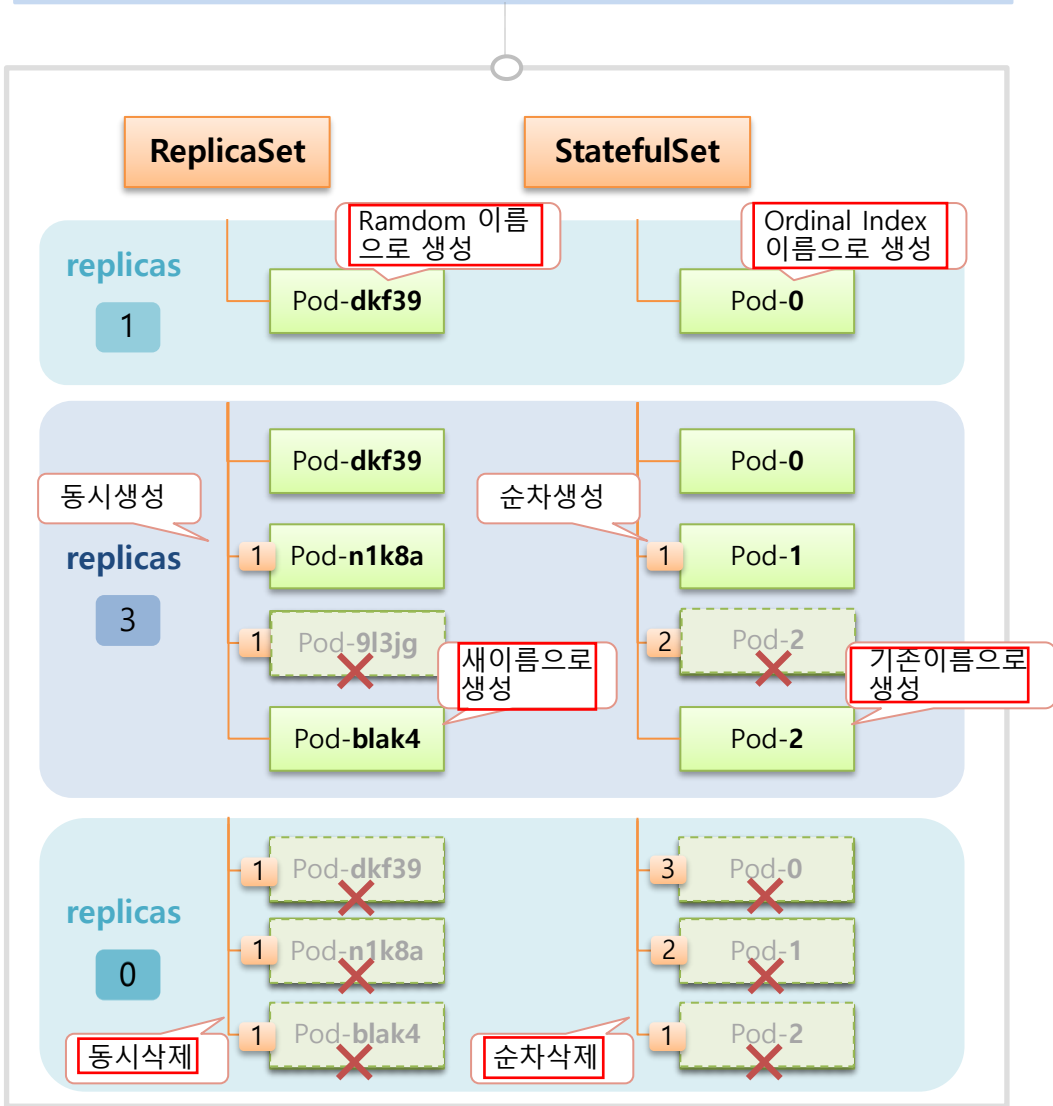


Stateful Application Database

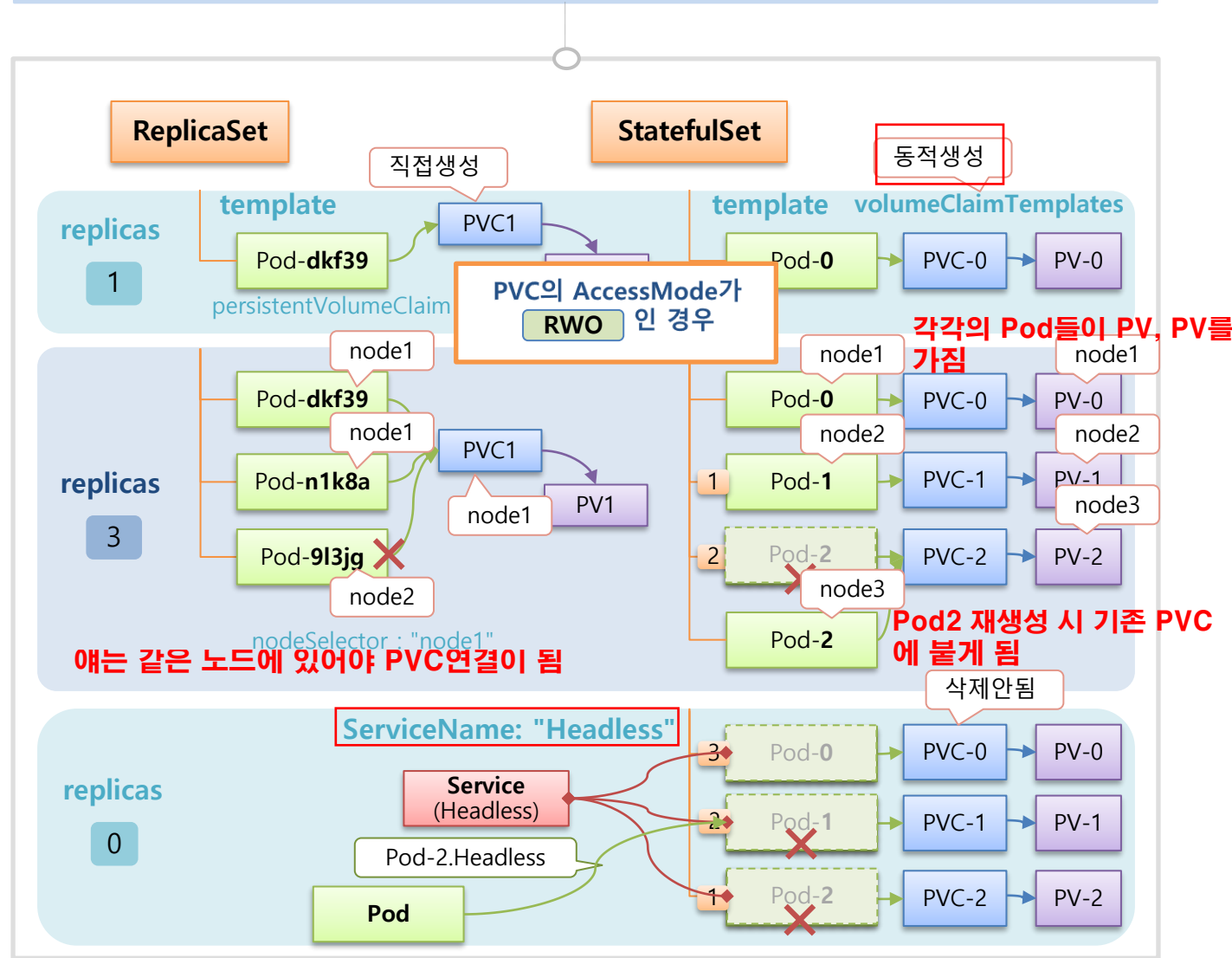


- StatefulSet

StatefulSet Controller

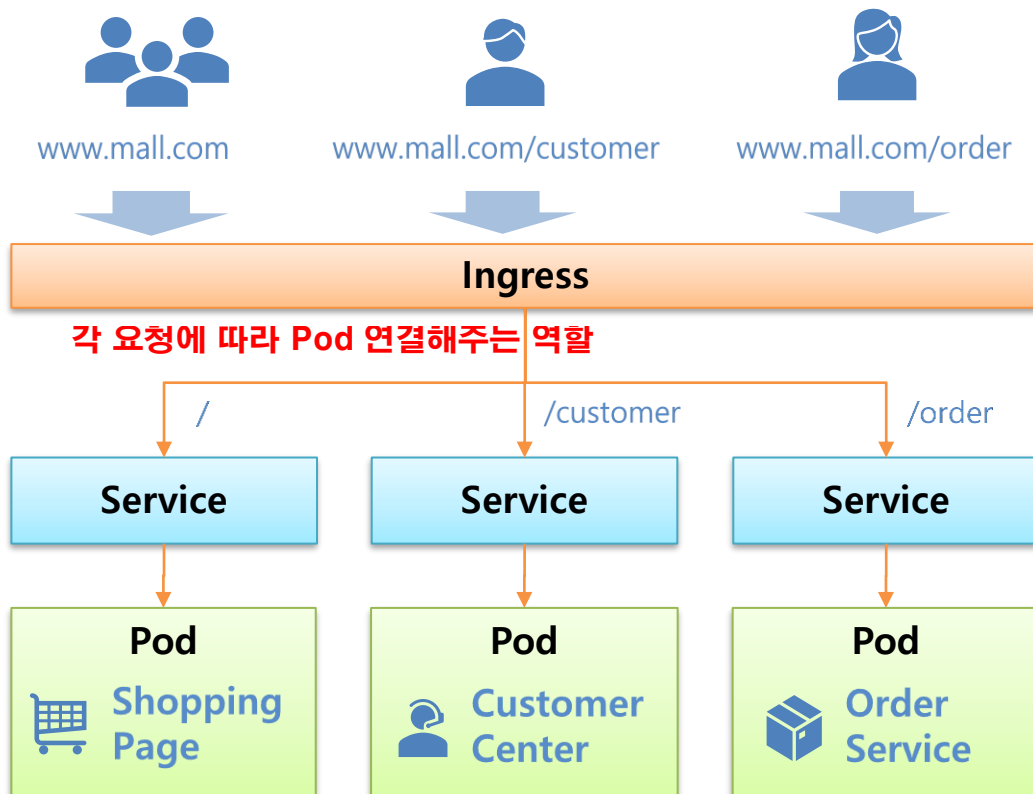


PersistentVolumeClaim, Headless Service



- Ingress

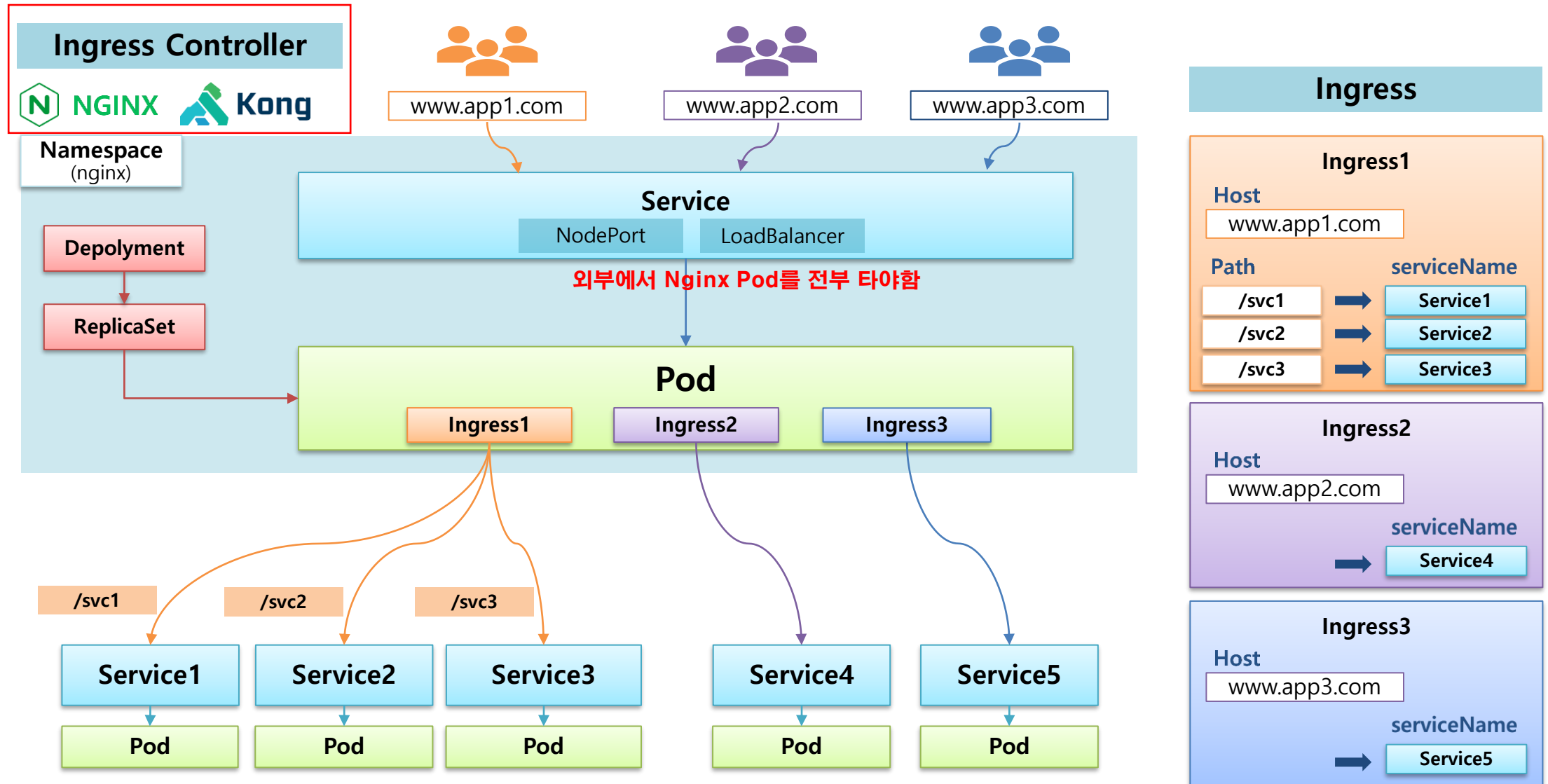
Service LoadBalancing



Canary Upgrade

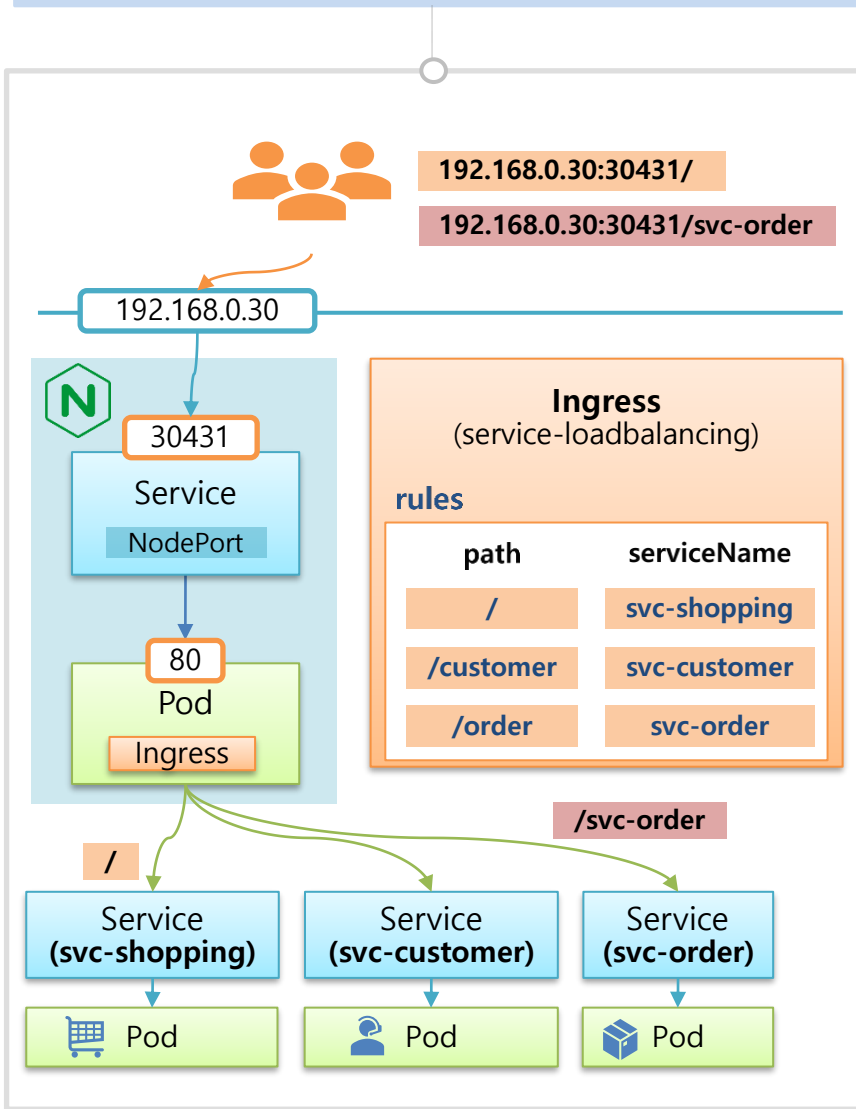


- Ingress Controller

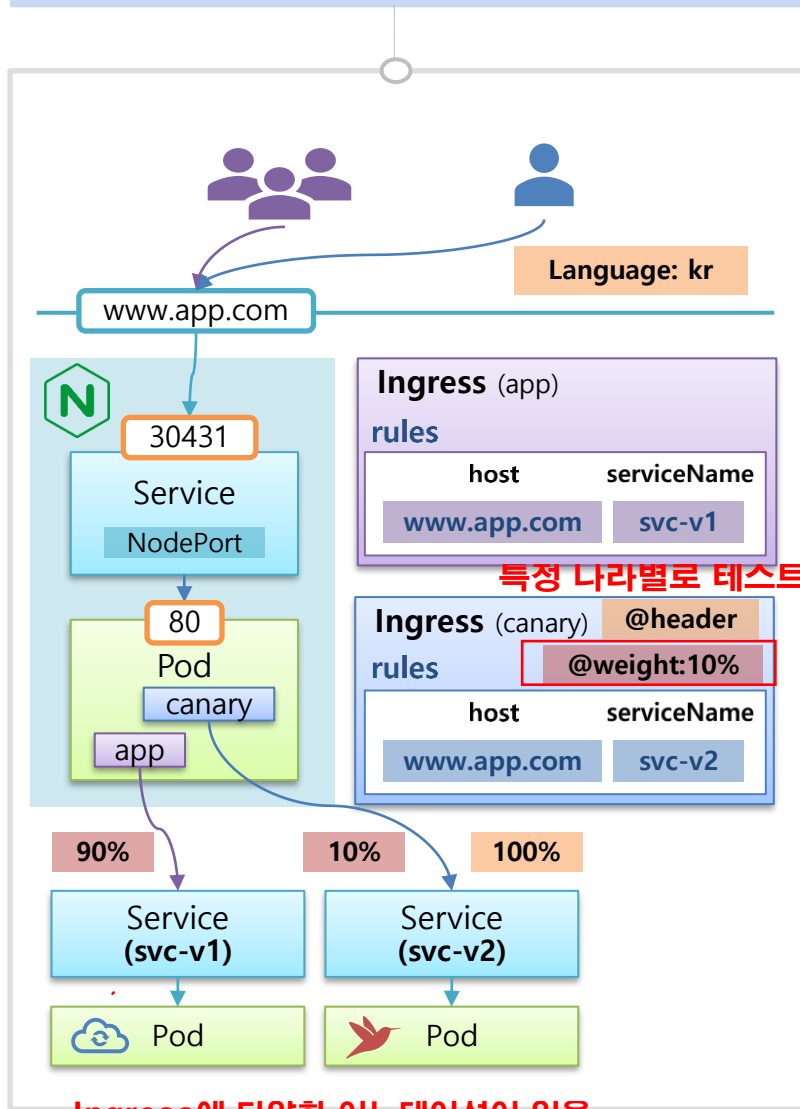


- Ingress (nginx)

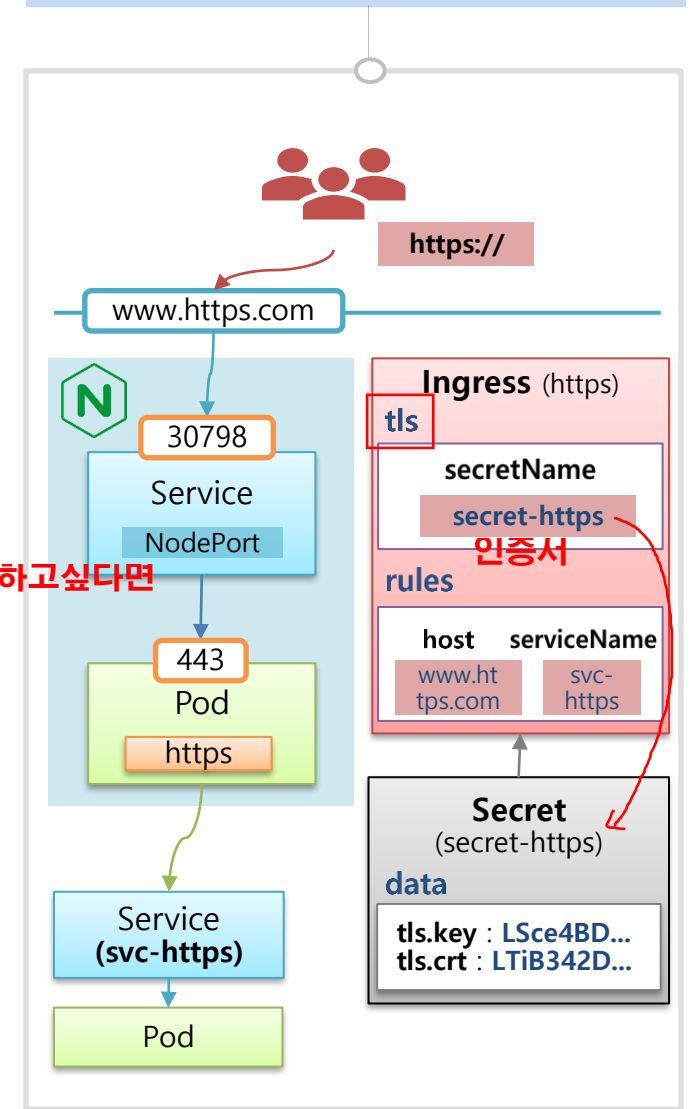
Service Loadbalancing



Canary Upgrade

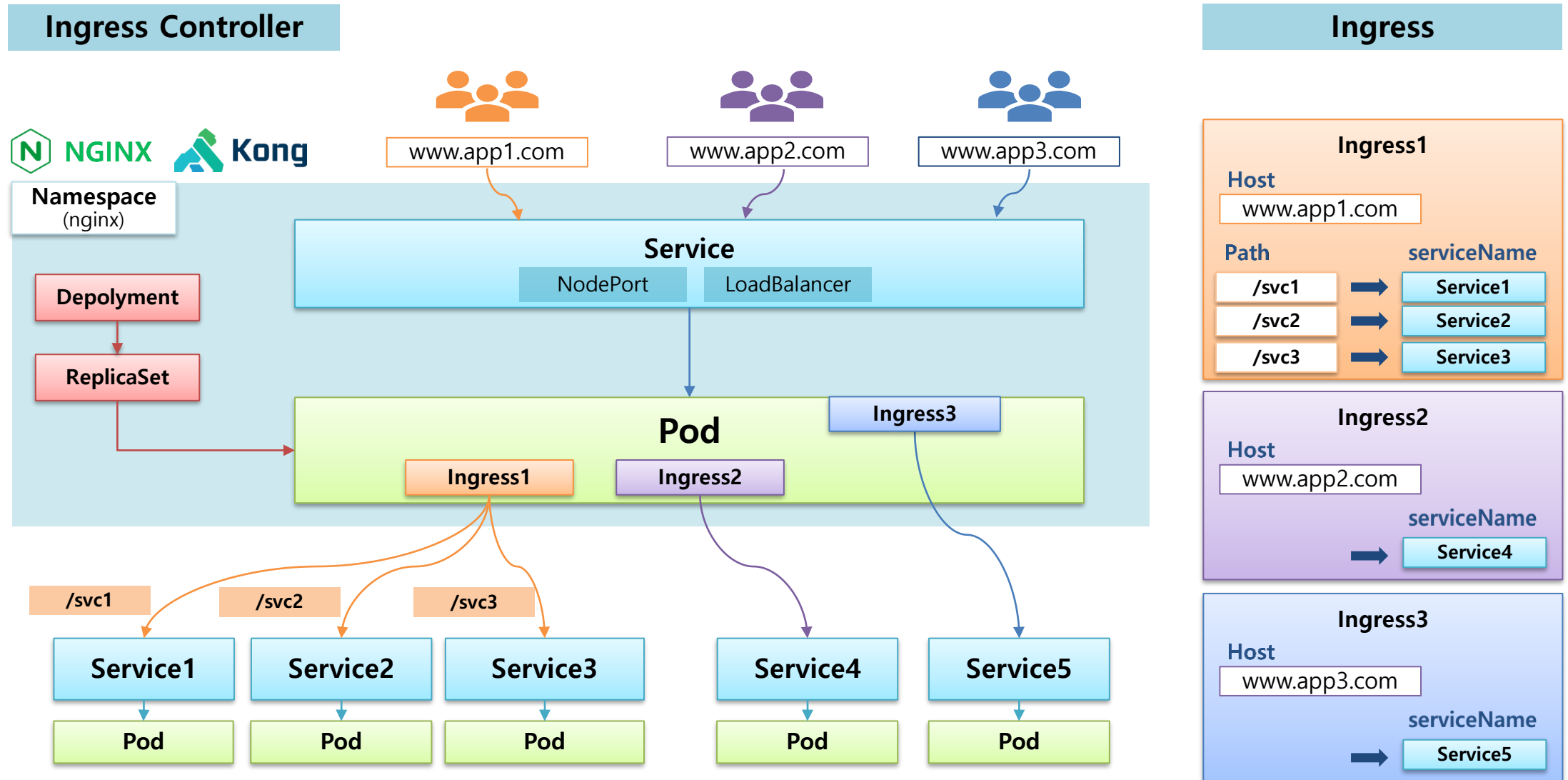


Https

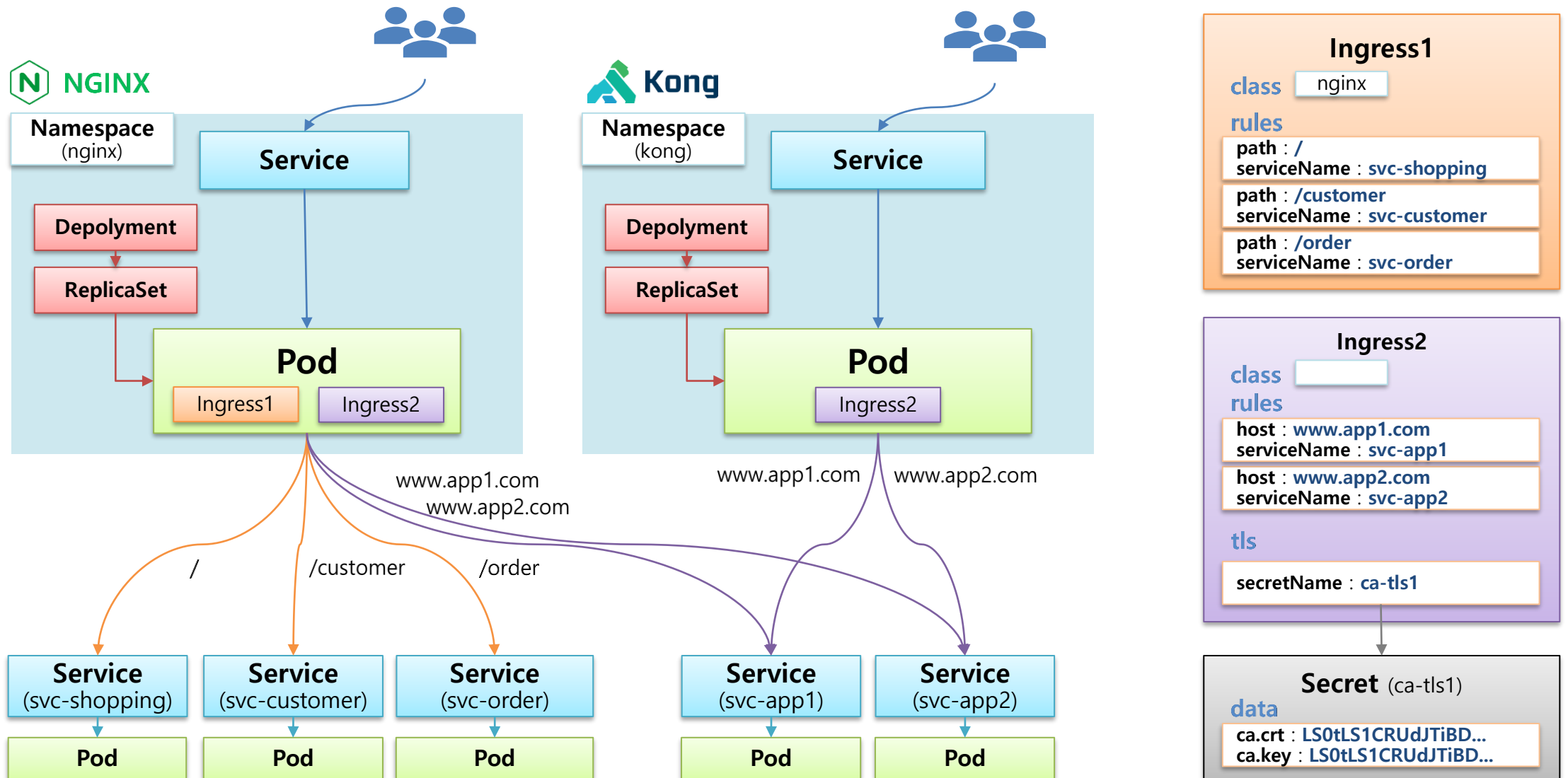


Ingress에 다양한 어노테이션이 있음

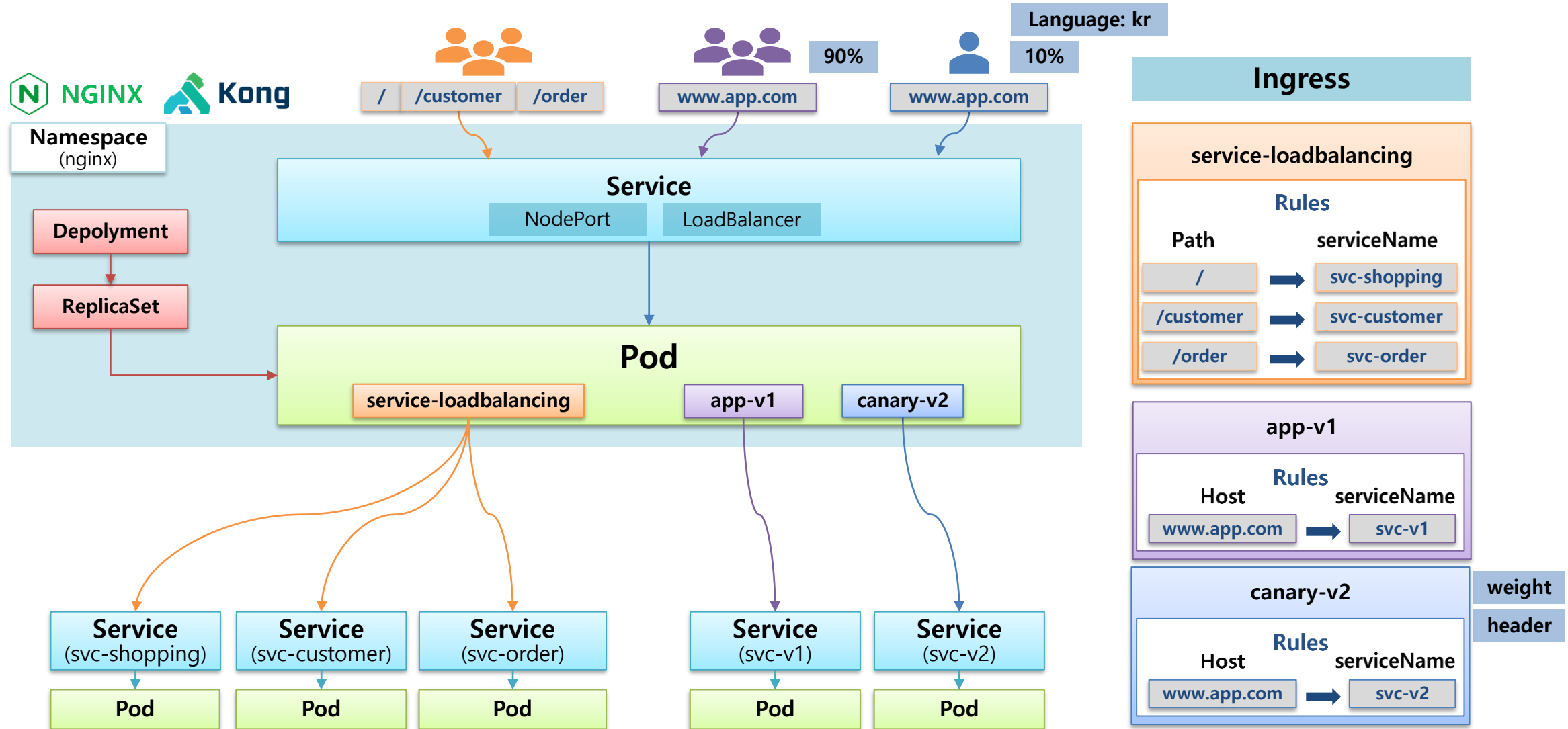
- Ingress



- Ingress



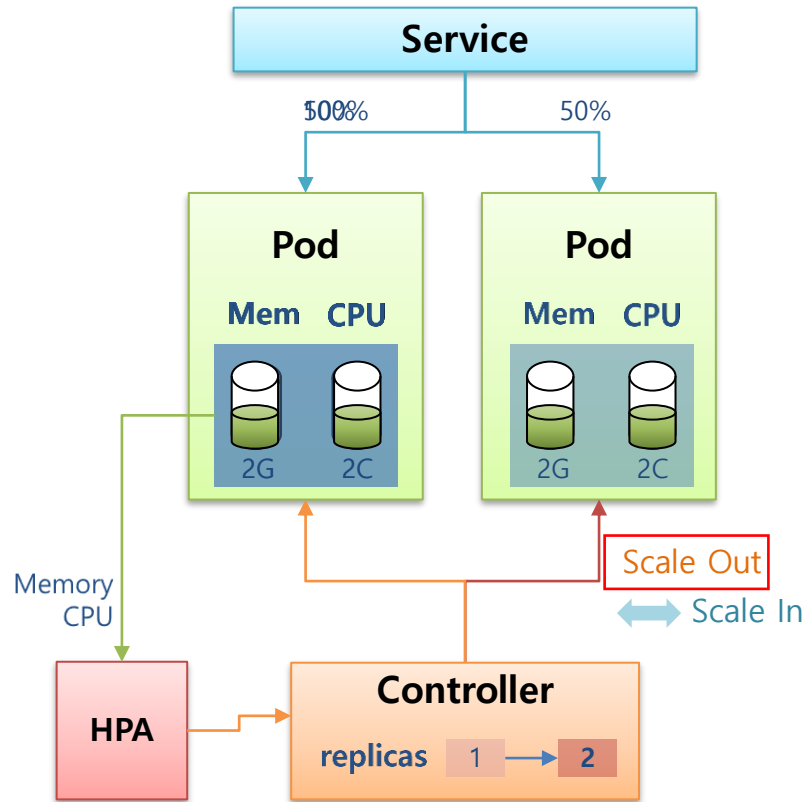
- Ingress



- Autoscaler

파드의 개수

HPA (Horizontal Pod Autoscaler)

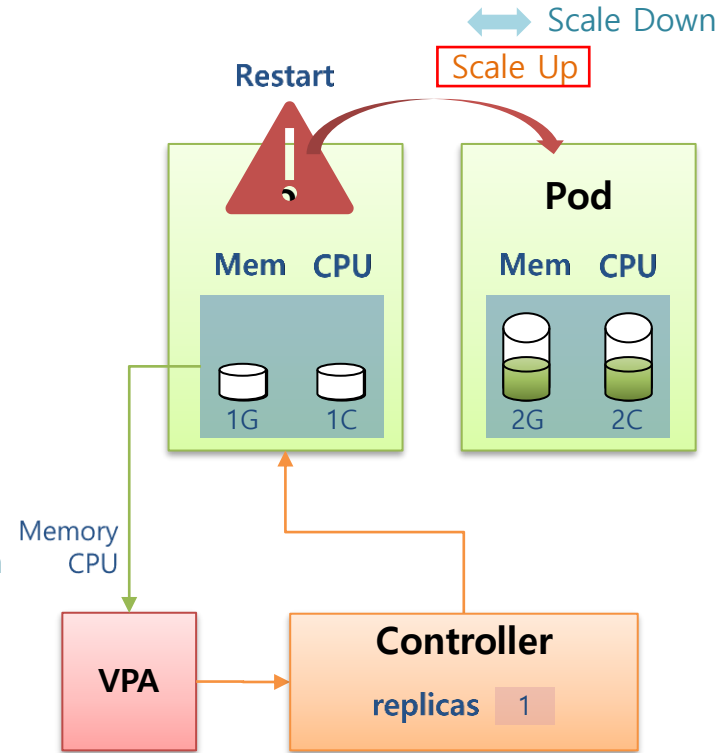


replica수를 높여 pod 추가 생성

- 기동이 빠르게 되는 App
- Stateless App

파드의 리소스

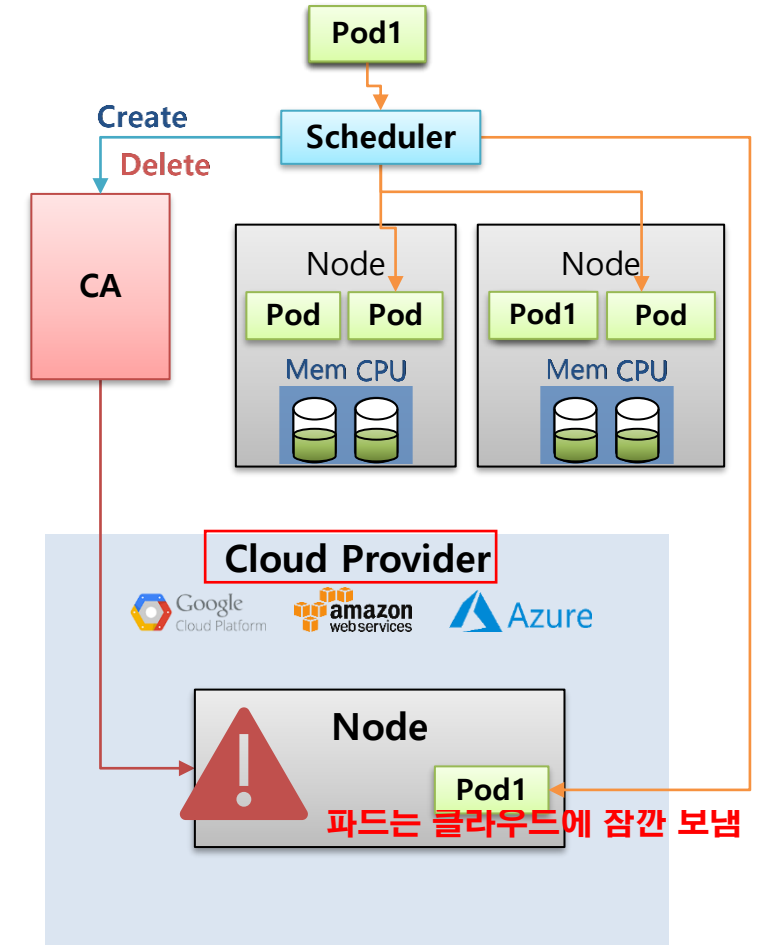
VPA (Vertical Pod Autoscaler)



- Stateful App
- 한 Controller에 HPA와 함께 사용안됨

클러스터에 노드 추가

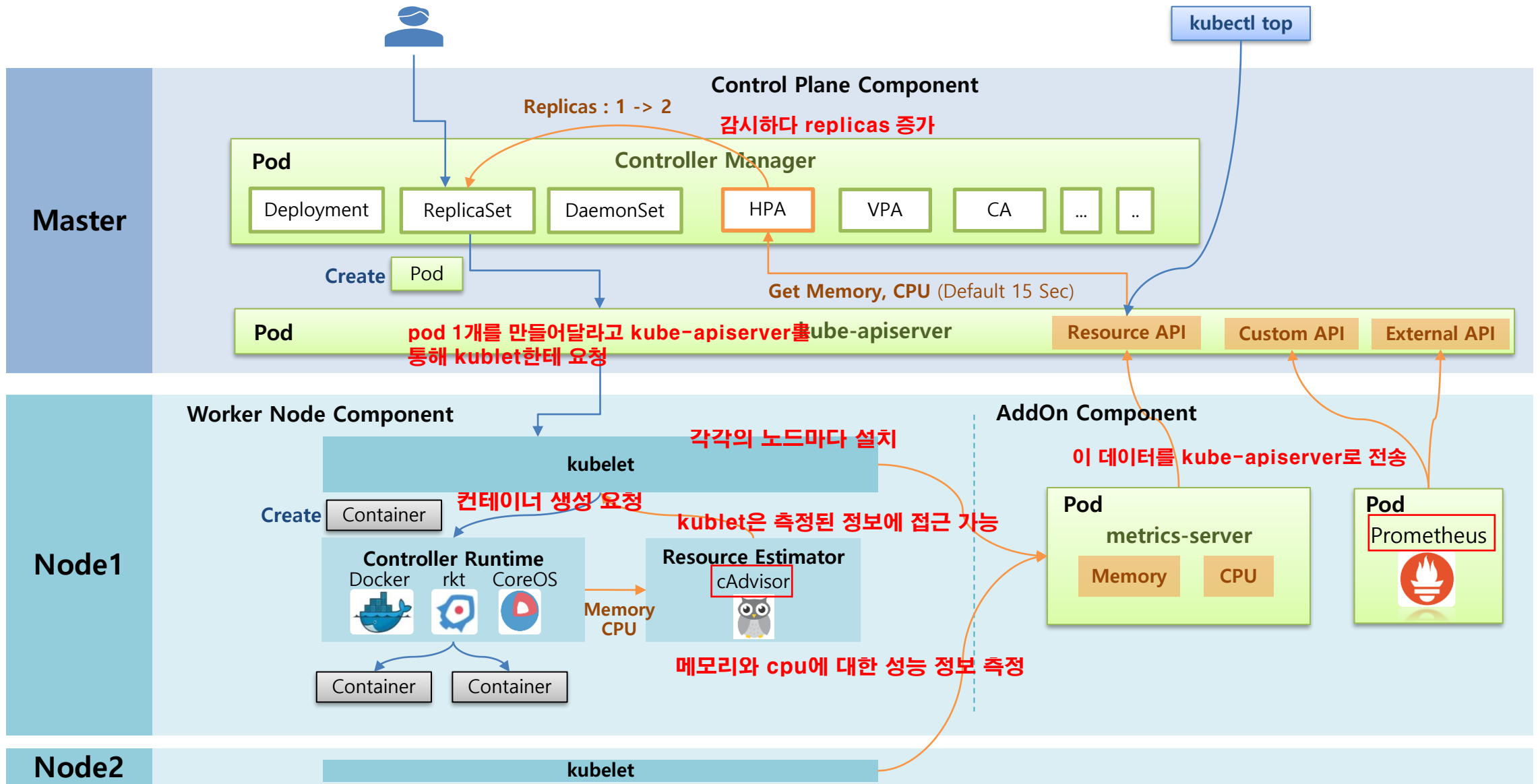
CA (Cluster Autoscaler)



파드는 클라우드에 잠깐 보냄

HPA는 어떤 역할이 부족한지 까지는 봐주지 않아
stateless 환경에서 사용 권장

- HPA Architecture



- HPA (Horizontal Pod Autoscaler)

