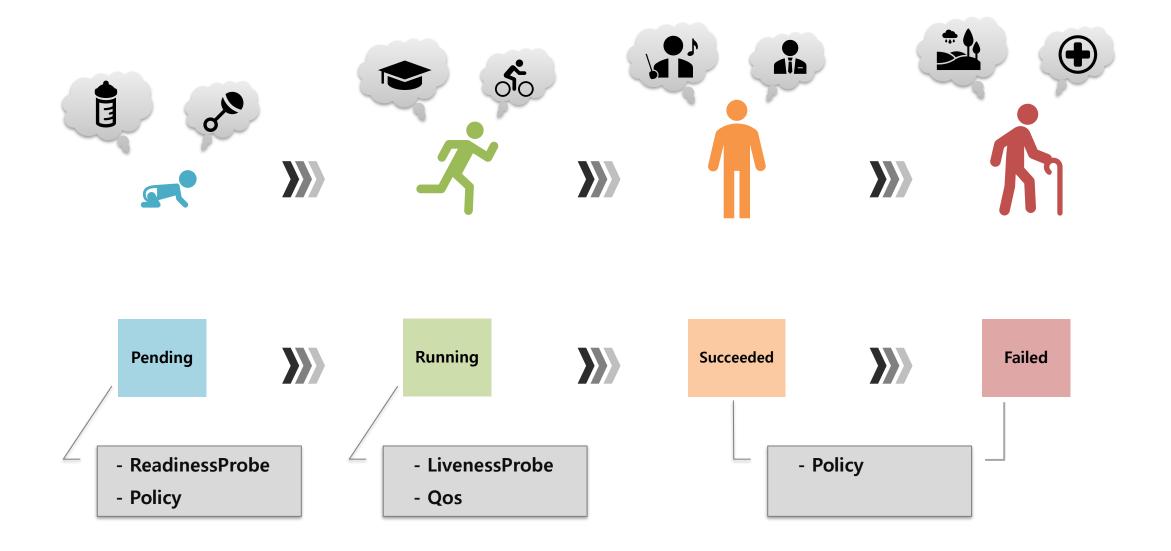
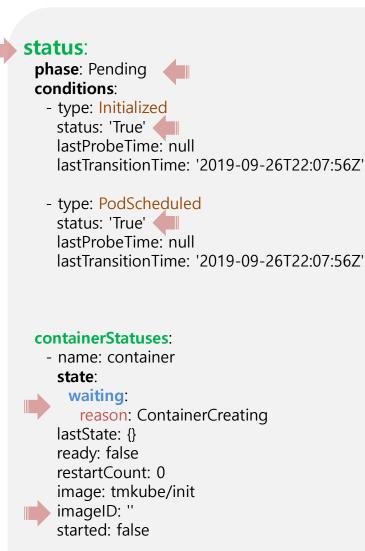
1. Pod - Lifecycle



1. Pod - Lifecycle



- type: ContainersReady

lastProbeTime: null

reason: ContainersNotReady

reason: ContainersNotReady

lastTransitionTime: '2019-09-26T22:08:11Z'

lastTransitionTime: '2019-09-26T22:08:11Z'

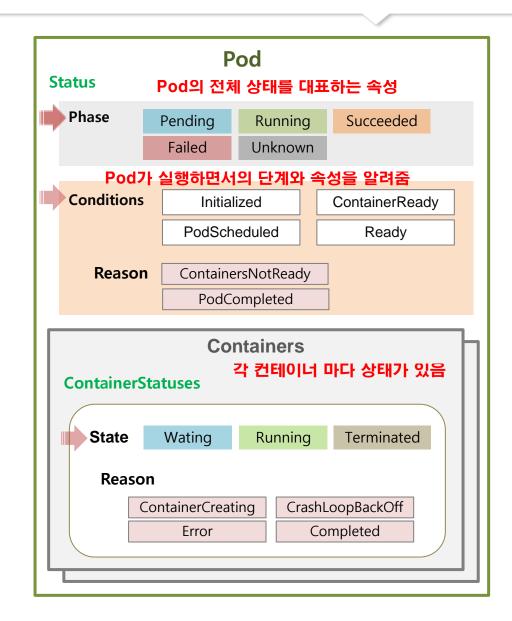
status가 false일 경우 reason이 추가됨

status: 'False'

status: 'False'

lastProbeTime: null

- type: Ready

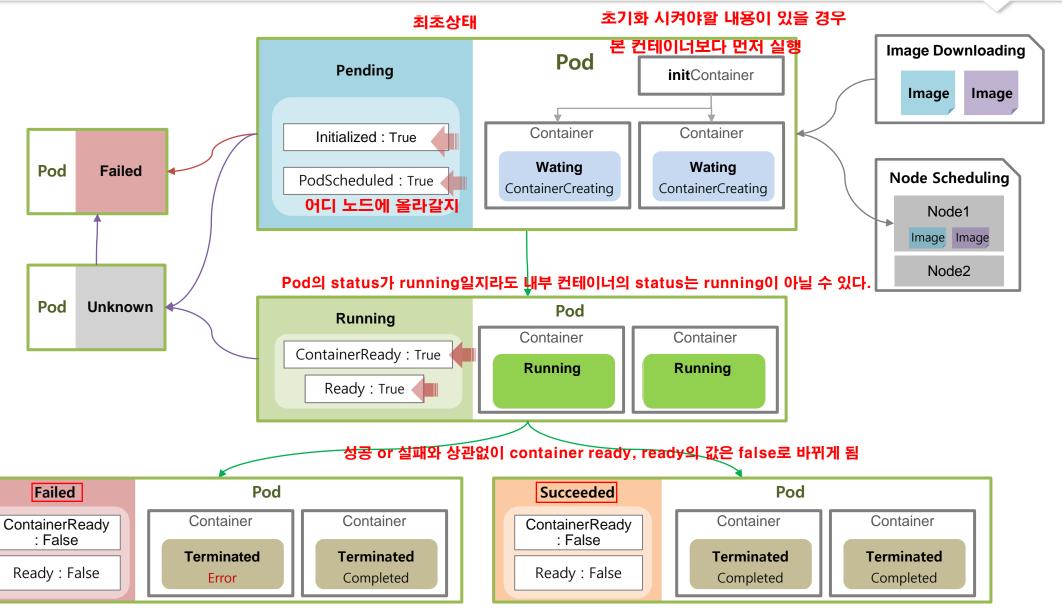


1. Pod - Lifecycle

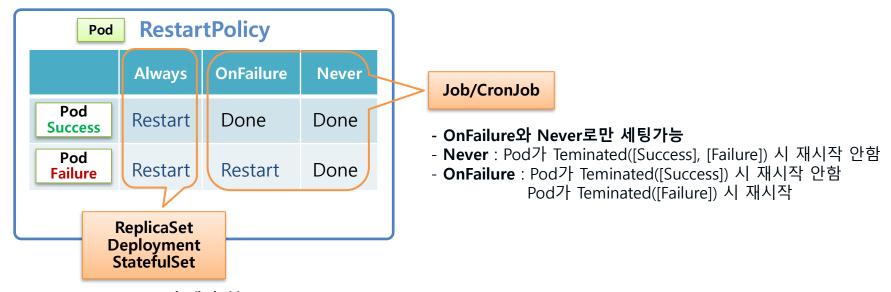
이미지를 다운받는 동안

status: waiting

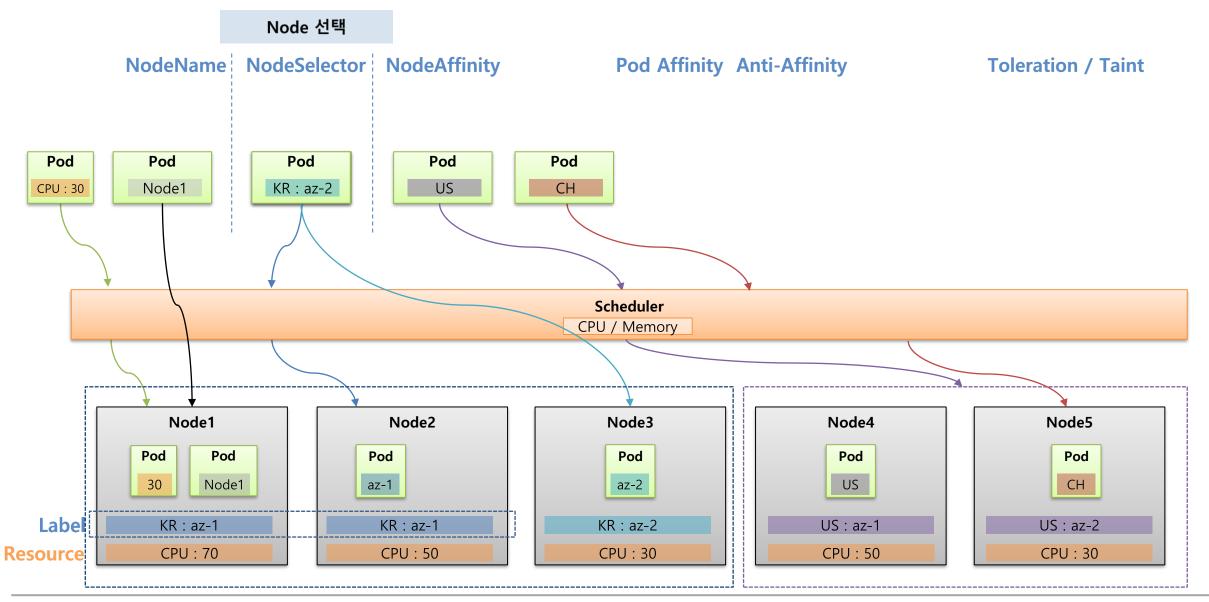
reason: container creating

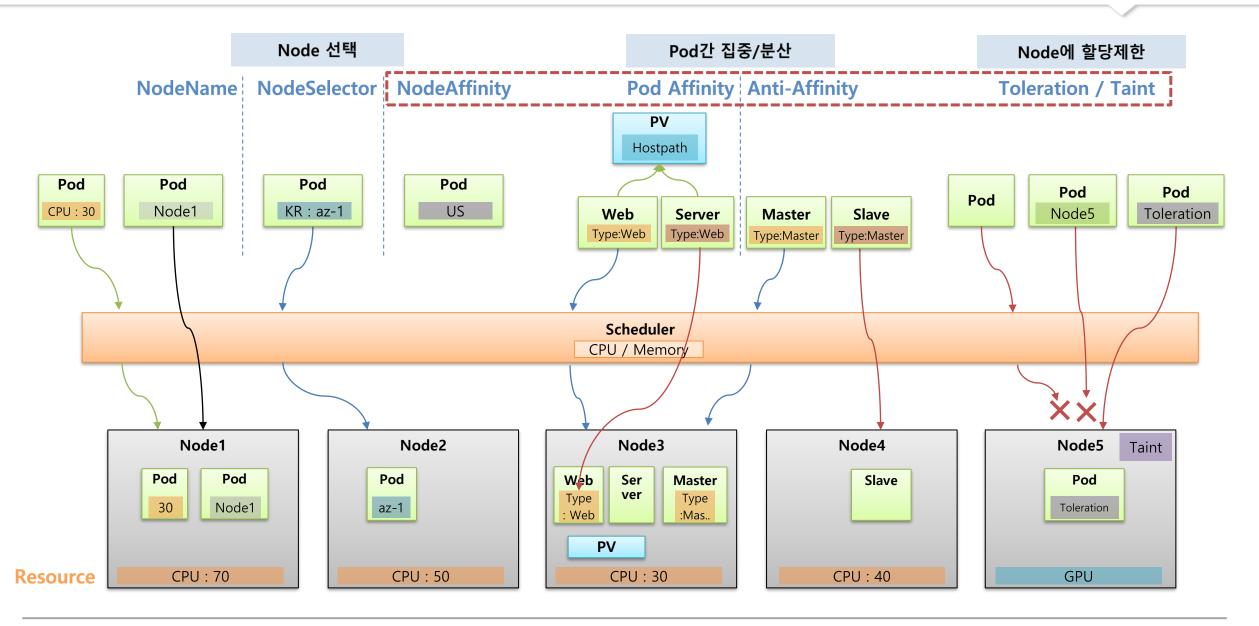


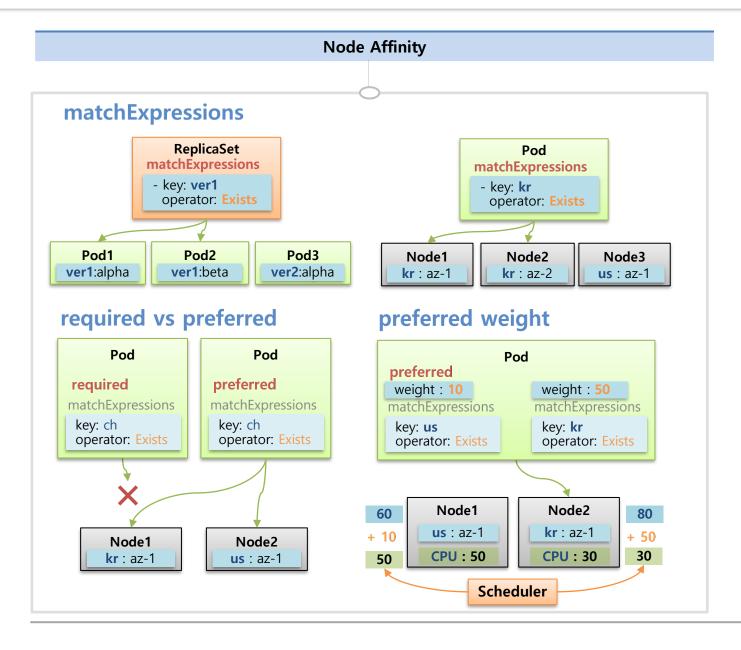
1. Pod - RestartPolicy



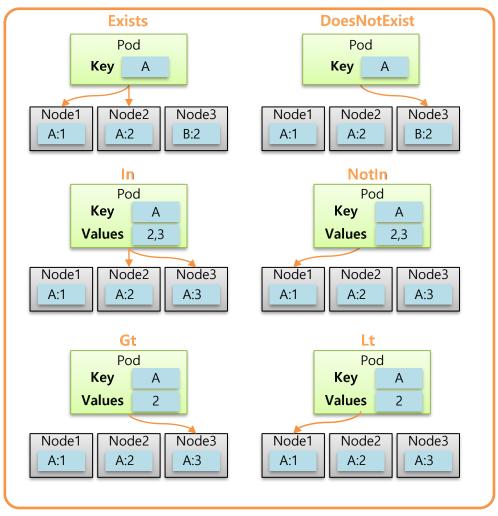
- Always로만 세팅가능
- **Always**: Pod가 Teminated([Success], [Failure]) 시 재시작

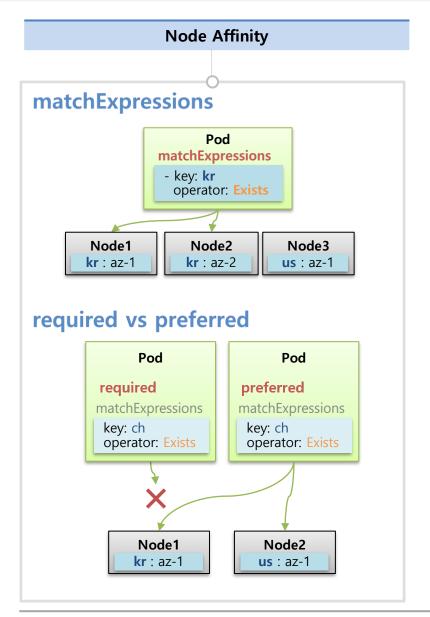


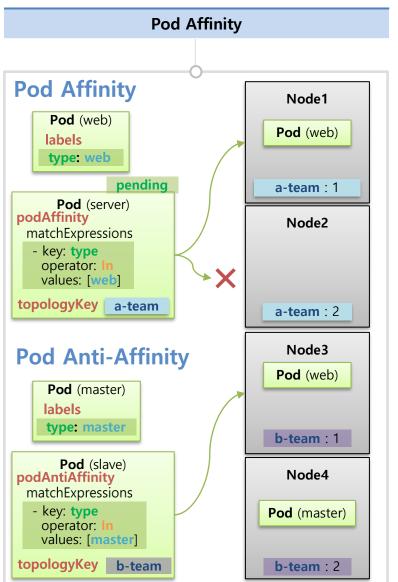


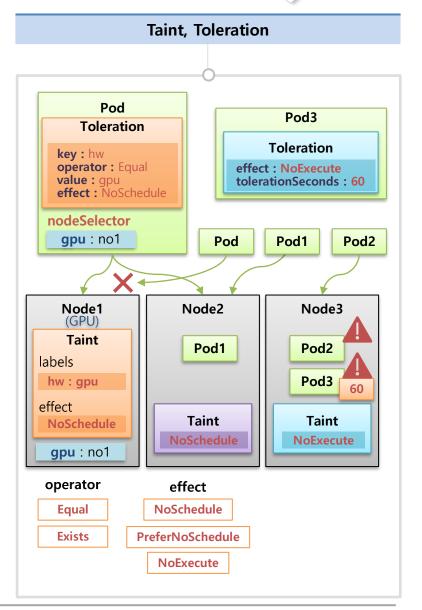


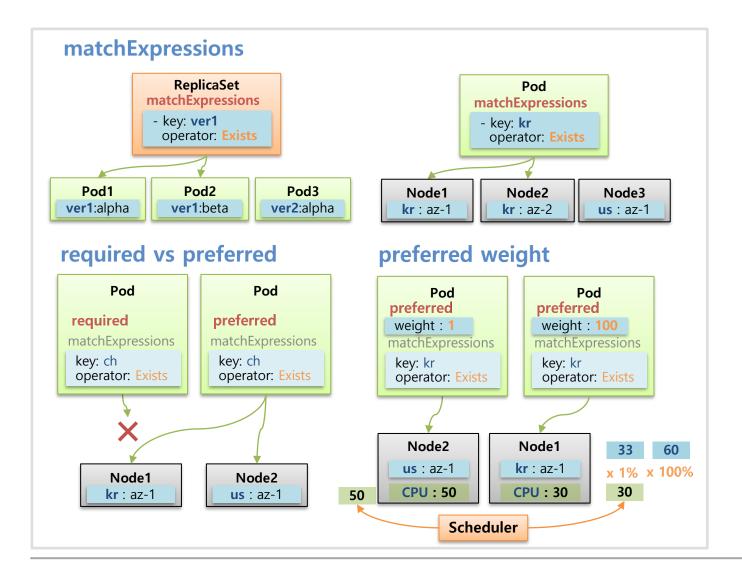
operator



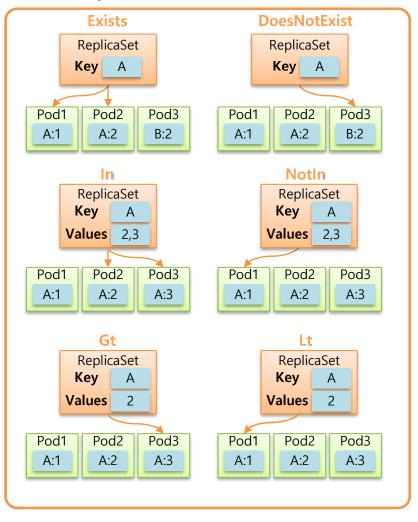








matchExpressions



- Autoscaler

HPA (Horizontal Pod Autoscaler) **Service** Scale Down **500**% 50% Scale Up Restart **Pod** Pod Mem CPU Mem CPU Mem CPU Mem CPU 1G

Scale Out

Scale In

Memory

CPU

VPA

- 기동이 빠르게 되는 App

Controller

replicas 1 → 2

- Stateless App

Memory

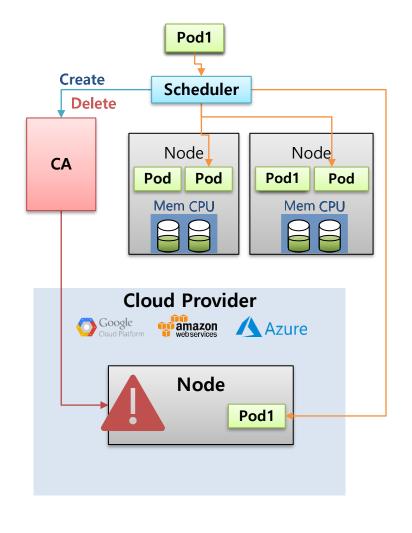
CPU

HPA



Pod



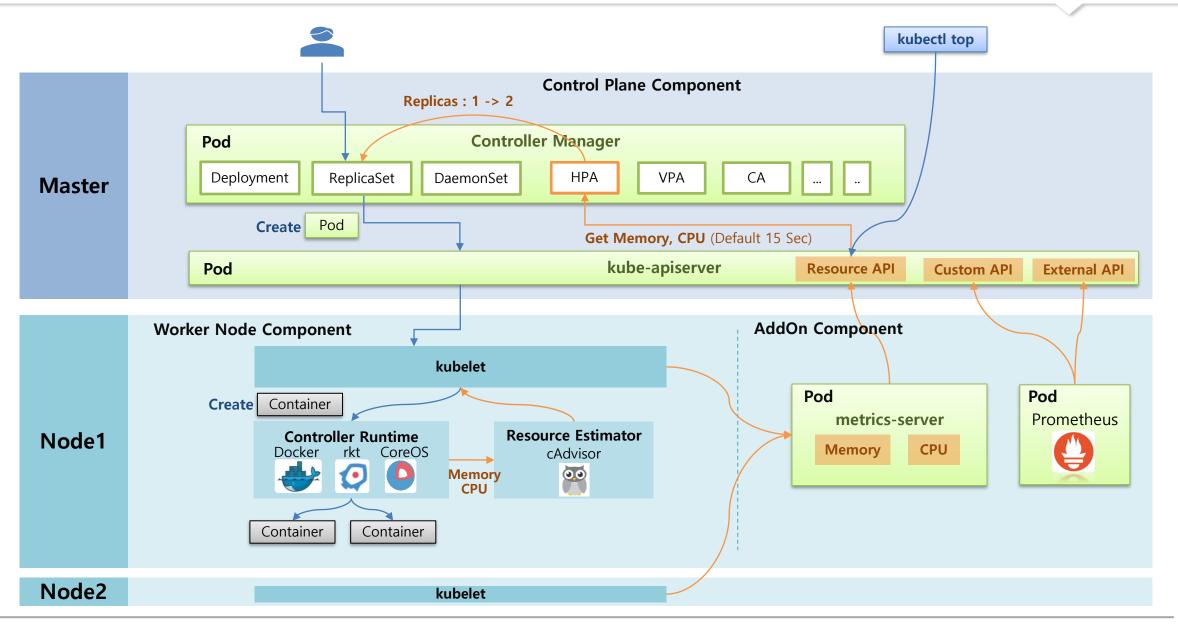


- Stateful App 한 Controller에 HPA와 함께 사용안됨

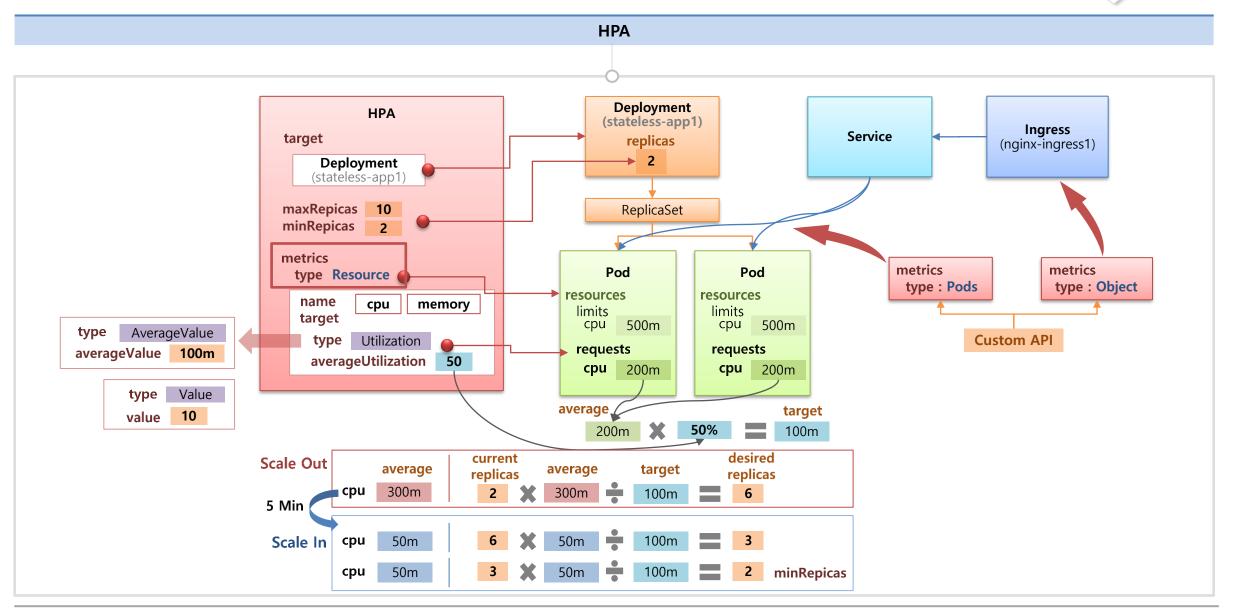
Controller

replicas 1

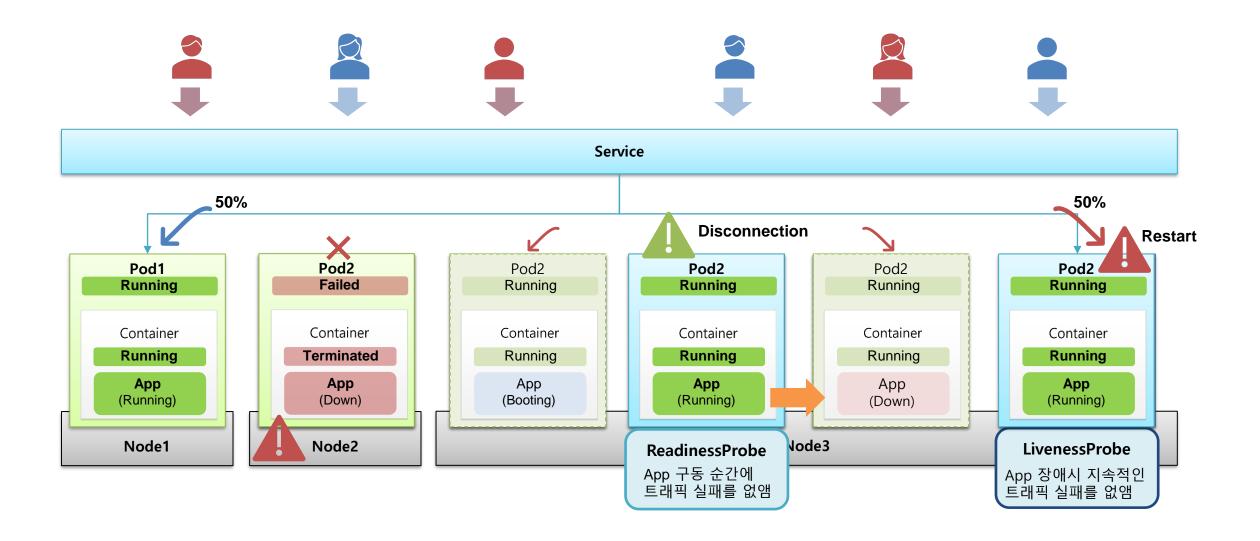
- HPA Architecture



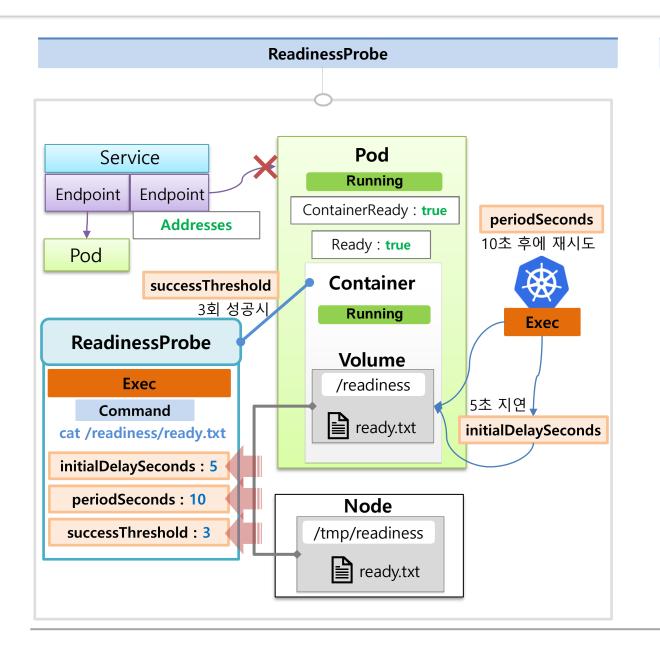
- **HPA** (Horizontal Pod Autoscaler)



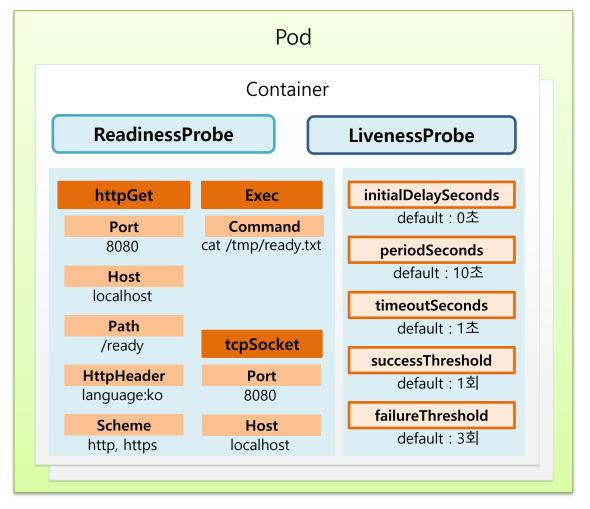
Pod (ReadinessProbe, LivenessProbe)



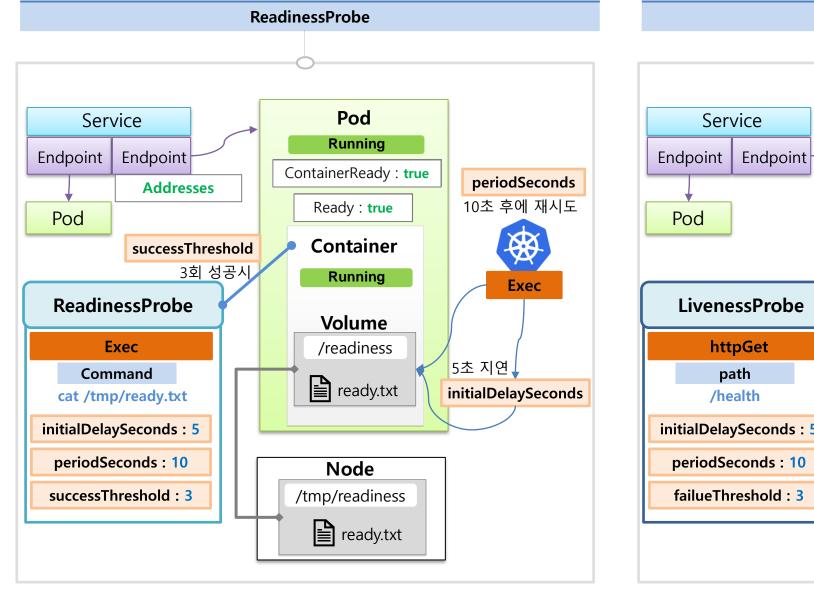
- Pod

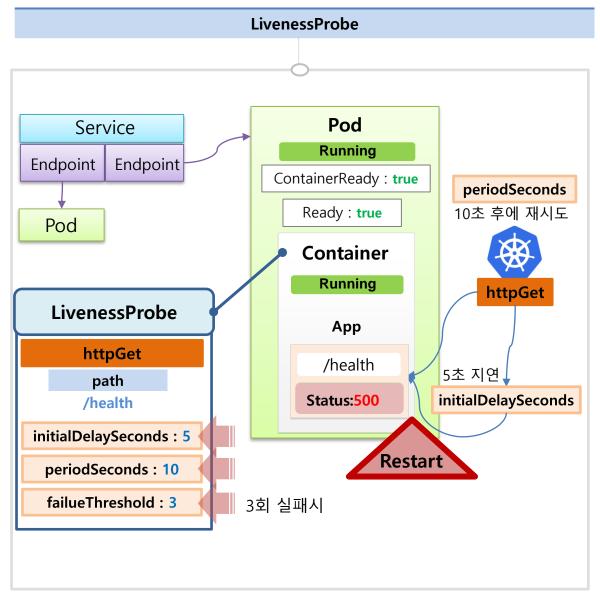


LivenessProbe

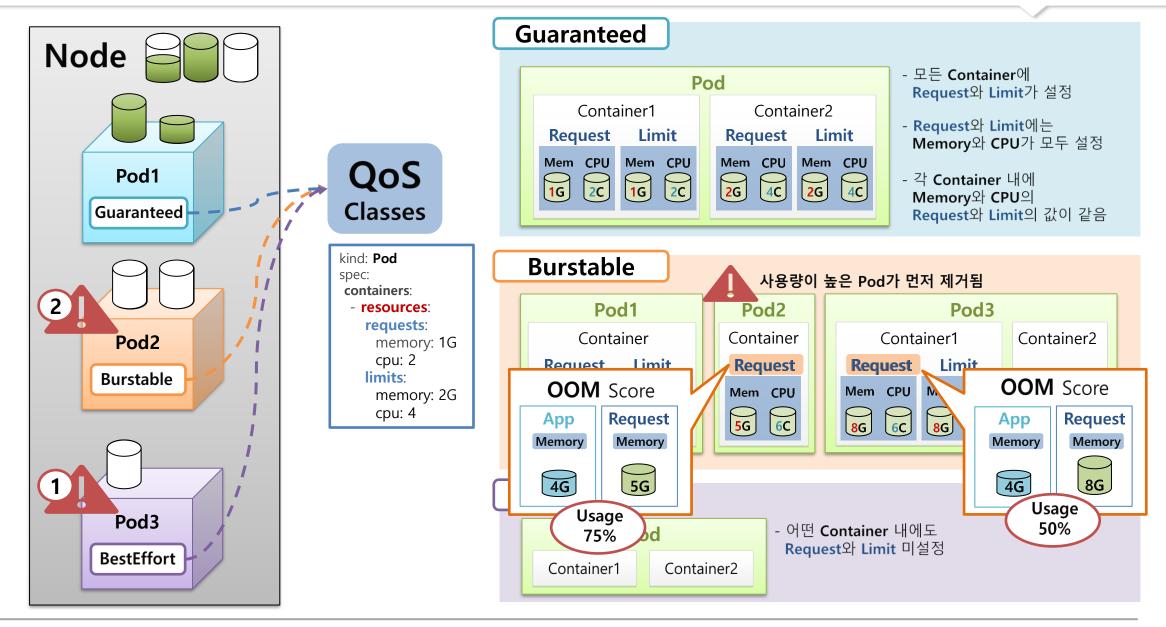


- Pod





- QoS classes (Guaranteed, Burstable, BestEffort)



- QoS classes (Guaranteed, Burstable, BestEffort)

