

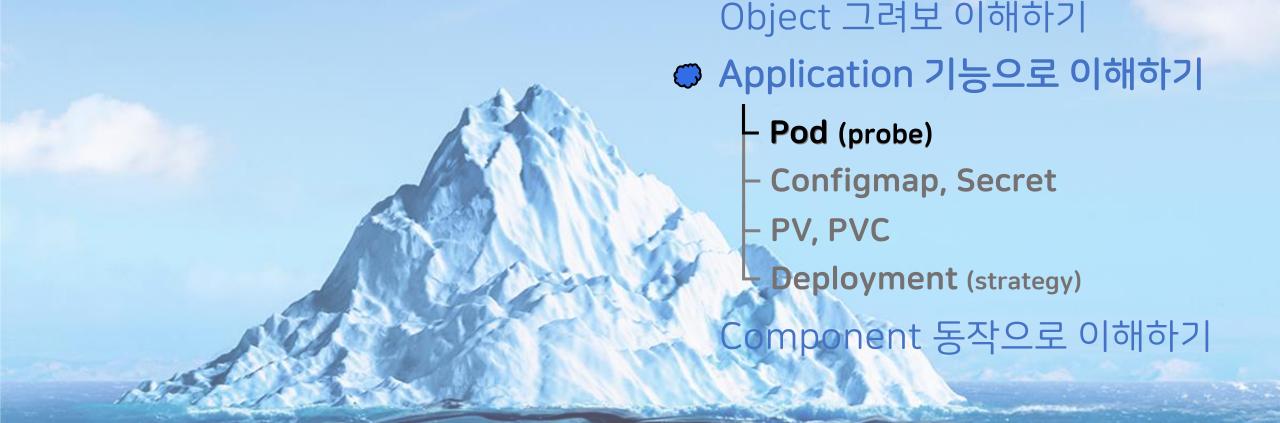
생의 1% 월급쟁이를 위한



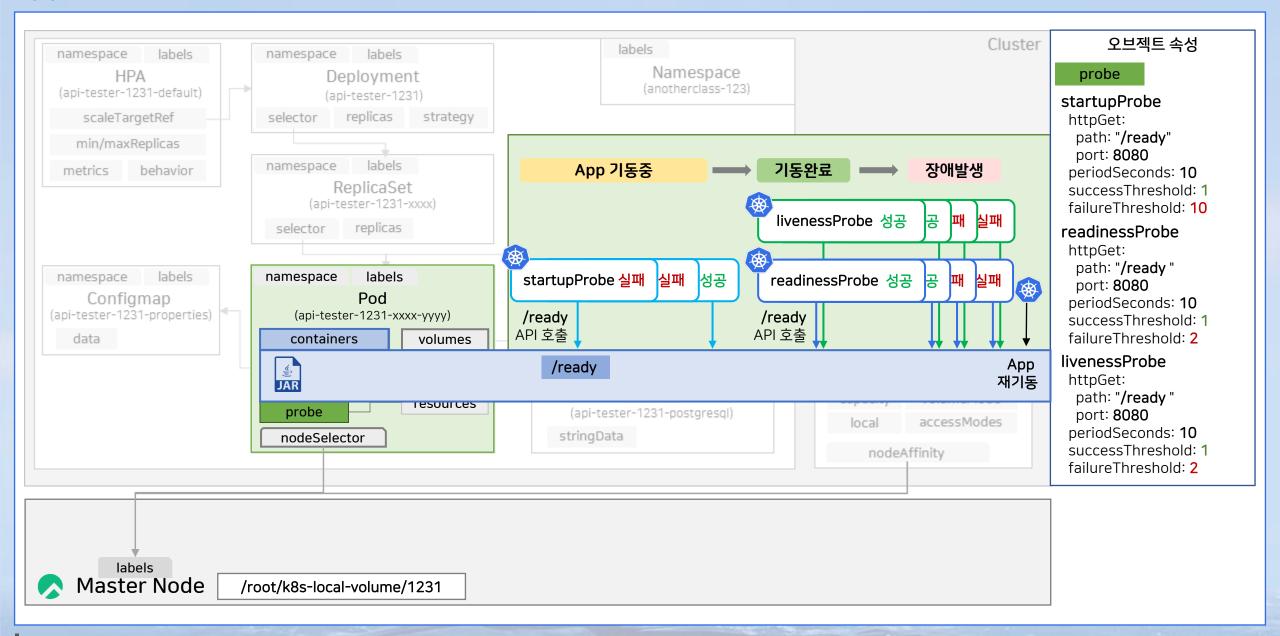
쿠버네티스 어나더 클래스

Application 기능을 이해하기 - Pod (probe)

쿠버네티스 첫 오브젝트 잘 끼우기



Pod (probe) - 프로브 기본 개념





Pod (probe) - Application 로그를 통한 프로브 동작 분석

```
2023-07-28T22:48:48: Starting service [Tomcat]
                                                                          startupProbe 실패
2023-07-28T22:48:48: Starting Servlet engine: [Apache Tomcat/10.1.8]
2023-07-28T22:48:50: Initializing Spring embedded WebApplicationContext,
                                                                          startupProbe 실패
2023-07-28T22:48:50: Root WebApplicationContext: initialization completed
                                                                          startupProbe 실패
2023-07-28T22:48:57: Tomcat started on port(s): 8080 (http) with contex
                    [System] App is initializing
     App 초기화
                     Initializing Spring DispatcherServlet 'dispatcherServlet'
2023-07-28T22:48:59: Initializing Servlet 'dispatcherServlet'
2023-07-28T22:48:59: Completed initialization in 0 ms
                                                              startupProbe 실패
2023-07-28T22:49:00: [Kubernetes] startupProbe is Failed-> [Sy
2023-07-28T22:49:02: [System] Database is connecting
2023-07-20T22:49 04: [Kubernetes] startupProbe is Failed-> [System] isAppLive: false
             49:07: [System] Database is connected
2023-
2023-07-28T22:49 09: [Kubernetes] startupProbe is Failed-> [System] isAppLive: false
2023-07-28T22:49:12: [System] App is starting
2023-07-28T22:49:14: [Kubernetes] startupProbe is Failed-> [System] isAppLive: false
2023-07-28T22
                     [System] App is started
                                                              startupProbe 성공
                     [Kubernetes] startupProbe is Succeed-> [S
2023-07-28T21
2023-07-28T22:49:19: [Kubernetes] readinessProbe is Failed->
                                                            [System] isappkeady: Taise
                     [System] ConfigMap data is loading..
     User 초기화
                                                              readinessProbe 실패
                     [Kubernetes] readinessProbe is Failed->,
2023-07-28T22:49:24: [Kubernetes] livenessProbe is Succeed->
                                                              livenessProbe
2023-07-28T22:49:29: [System] ConfigMap data is loading..
2023-07-28T22:49:34: [System] ConfigMap data is loading..
2023-07-28T22:49:34: [Kubernetes] readinessProbe is Failed-> [System] isAppReady: false
2023-07-28T22:40:24: [Kubernetes] livenessProbe is Succeed-> [System] isAppLive: true
                    [System] Data loading is completed
2023-07-28T2
                    Started AppApplication in 68.309 seconds
                                                              readinessProbe 성공
2023-07-28T22:49-44: [Kubernetes] readinessProbe is Succeed->
              49:44: [Kubernetes] livenessProbe is Succeed->
2023-
                                                              livenessProbe
              49:54: [Kubernetes] livenessProbe is Succeed->
2023-07-28T22:49 54: [Kubernetes] readinessProbe is Succeed->
                                                              [System] ISAPPReady. true
```

실제 App 상황 기동되기 전엔 API를 받지 못함 - WAS(tomcat)를 사용할 경우

access.log에 기록됨

동작 확인을 위해 임의로 코드 구성

오브젝트 속성

probe

startupProbe httpGet:

path: "/startup " port: 8080 periodSeconds: 5

successThreshold: 1 failureThreshold: 24

readinessProbe

httpGet:

path: "/readiness "

port: **8080**

periodSeconds: 10 successThreshold: 1 failureThreshold: 3

livenessProbe

httpGet:

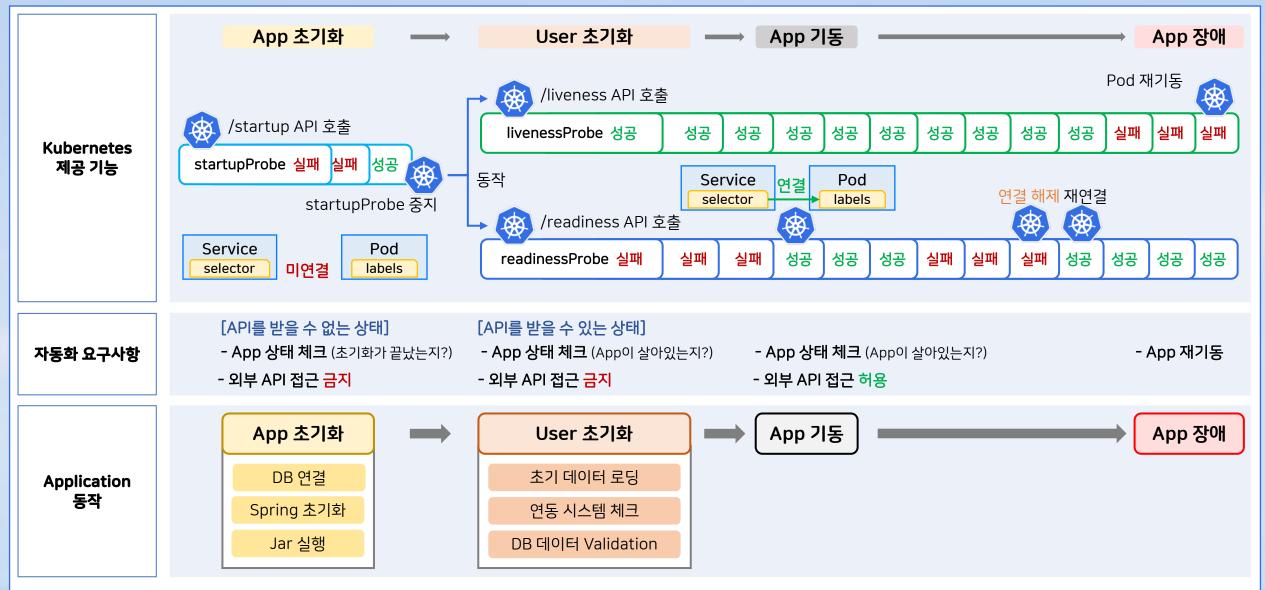
path: "/liveness "

port: **8080**

periodSeconds: 10 successThreshold: 1 failureThreshold: 3

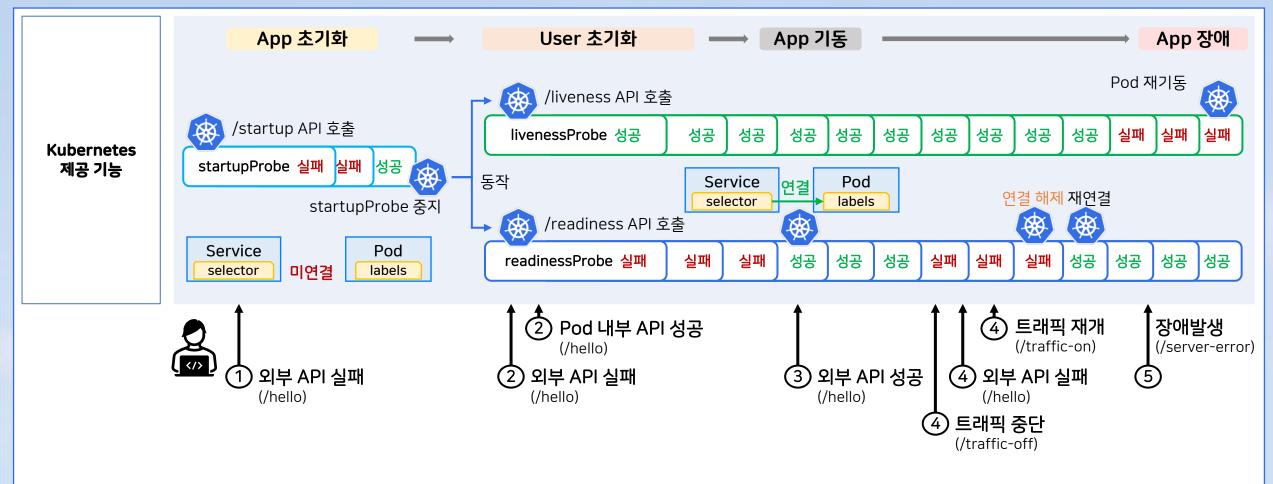


Pod (probe) - Application 동작 중심의 프로브 이해





Pod (probe) - API 날려보며 프로브 동작 확인하기





Pod (probe) - 일시적 장애 상황에서의 프로브 활용

