

디플로이먼트, 노드포트, 서비스
api-gateway 라우팅 설정

api-gateway : application-dev.yml 라우팅 설정

```
server:
  port: 8080

spring:
  cloud:
    gateway:
      mvc:
        routes:
          - id: backend-user
            uri: http://k8s-backend-user-service:8080
            predicates:
              - Path=/api/user/**
          - id: backend-alim
            uri: http://k8s-backend-alim-service:8080
            predicates:
              - Path=/api/alim/**
          - id: backend-post
            uri: http://k8s-backend-post-service:8080
            predicates:
              - Path=/api/post/**
```

application-dev.yml

쿠버네티스 서비스로 라우팅 하면,
backend-OOO-service (쿠버네티스 서비스)에서 Pods로 로드 밸런싱

api-gateway : 앱 버전 업그레이드

```
plugins {  
    id 'java'  
    id 'org.springframework.boot' version '3.5.0'  
    id 'io.spring.dependency-management' version '1.1.7'  
}  
  
group = 'com.welab'  
version = '0.0.2'  
  
...
```

build.gradle

api-gateway : 코드 commit & push

Commit & Push to Github

api-gateway : Jenkins Pipeline 빌드

Status

Changes

▶ 파라미터와 함께 빌드

구성

Pipeline 삭제

Move

Full Stage View

Stages

Rename

Pipeline Syntax

Pipeline kube-api-gateway

매개변수가 필요한 빌드입니다.

TAG

origin/main

☐ RELEASE

▶ 매개변수가 필요한 빌드

Declarative: Checkout SCM	Declarative: Tool Install	Set Version	Build & Test Application	Build Docker Image	Push Docker Image
2s	385ms	32s	59s	0ms	0ms
2s	385ms	32s	59s		

api-gateway : Deployment 이미지 버전 업데이트

Deployments				
이름	이미지	레이블	파드	생성 시간 ↑
k8s-backend-alim-deployment	solarhc/k8s-backend-alim:0.0.1	-	1 / 1	20.minutes.ago
k8s-backend-user-deployment	solarhc/k8s-backend-user:0.0.2	-	1 / 1	2.hours.ago
k8s-api-gateway-deployment	solarhc/k8s-api-gateway:0.0.3	-	1 / 1	2.hours.ago

Scale

Edit

Restart

Delete


```
97 spec:
98   replicas: 1
99   selector:
100     matchLabels:
101       app: k8s-api-gateway
102   template:
103     metadata:
104       creationTimestamp: null
105     labels:
106       app: k8s-api-gateway
107     spec:
108       containers:
109       - name: k8s-api-gateway
110         image: solarhc/k8s-api-gateway:0.0.2
111         ports:
112         - containerPort: 8080
113           protocol: TCP
114         env:
```

i 이 액션은 다음 커맨드와 동일합니다. `kubectl apply -f <spec.yaml>`

Update

Cancel

api-gateway : backend-user 라우팅 확인

 k8s-user / localhost:30080/api/user/v1/hello

Save

Share

GET

localhost:30080/api/user/v1/hello

Send

Params

Authorization

Headers (6)

Body

Scripts

Tests

Settings

Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		