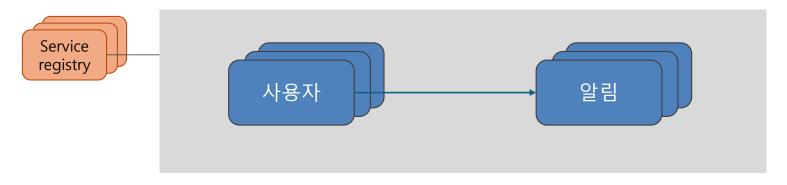
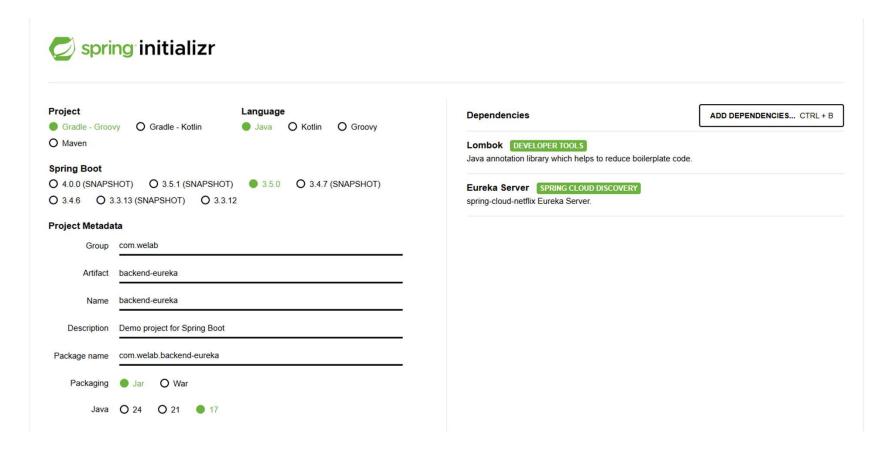
Service Discovery 적용



Eureka Service Discover 서버를 이용하여 동적으로 서비스를 찾을 수 있도록 만들어 보자.

프로젝트 생성 – eureka project

https://start.spring.io/ 접속



Eureka 프로젝트 설정

spring: application:

name: backend-eureka

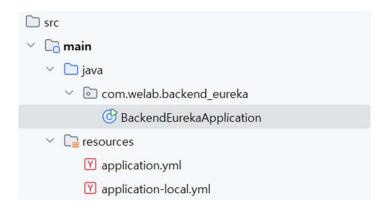
application.yml

```
server:
port: 8761

# -- Eureka
eureka:
instance:
hostname: 127.0.0.1
client:
serviceUrl:
defaultZone: http://${eureka.instance.hostname}:${server.port}/eureka/register-with-eureka: false
fetch-registry: false
server:
eviction-interval-timer-in-ms: 5000 # 인스턴스 제거 간격(5초)
renewal-percent-threshold: 0.85 # 갱신 임계값 조정
```

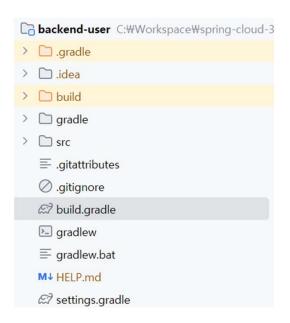
application-local.yml

Eureka 프로젝트 코드 작성



```
@EnableEurekaServer
@SpringBootApplication
public class BackendEurekaApplication {
   public static void main(String[] args) {
      SpringApplication.run(BackendEurekaApplication.class, args);
   }
}
```

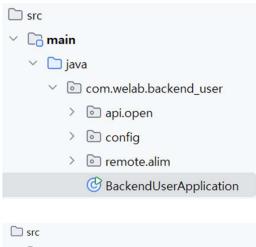
User, Alim 프로젝트 의존성 추가



```
dependencies {
    implementation 'org.springframework.boot:spring-boot-starter-web'
    implementation 'org.springframework.cloud:spring-cloud-starter-loadbalancer'
    implementation 'org.springframework.cloud:spring-cloud-starter-netflix-eureka-client'
    compileOnly 'org.projectlombok:lombok'
    annotationProcessor 'org.projectlombok:lombok'

testImplementation 'org.springframework.boot:spring-boot-starter-test'
    testRuntimeOnly 'org.junit.platform:junit-platform-launcher'
}
```

User, Alim Application에 어노테이션 추가



```
src

main

java

com.welab.backend_alim

api

domain.dto

BackendAlimApplication
```

```
@EnableDiscoveryClient
@SpringBootApplication
public class BackendUserApplication {
   public static void main(String[] args) {
      SpringApplication.run(BackendUserApplication.class, args);
   }
}
```

User 프로젝트 설정 변경

```
#spring:
# cloud:
  discovery:
    client:
#
     simple:
      instances:
       #'my-backend-service'에 대한 인스턴스 정의
#
        alim-service:
         - service-id: backend-alim
         uri: http://localhost:8082
         - service-id: backend-alim
          uri: http://localhost:8082
eureka:
instance:
  prefer-ip-address: true
  lease-renewal-interval-in-seconds: 10 # 하트비트 간격(기본 30초)
  lease-expiration-duration-in-seconds: 30 # 만료 시간(기본 90초)
client:
  register-with-eureka: true Discovery Server에 등록
  fetch-registry: true Discovery Server에서 정보 가져 옴
  serviceUrl:
   defaultZone: http://localhost:8761/eureka/ Discovery Server 위치 지정
```

application-local.yml

Eureka 서버를 이용하도록 설정 변경

Alim 프로젝트 설정 변경

server: port: 8082 eureka: instance: prefer-ip-address: true lease-renewal-interval-in-seconds: 10 lease-expiration-duration-in-seconds: 30 client: register-with-eureka: true fetch-registry: true serviceUrl: defaultZone: http://localhost:8761/eureka/

Eureka 서버를 이용하도록 설정 변경

서비스 레지스트리 상태 확인

