

2.Spring Cloud Server

1-1-1. Spring Cloud Netflix Eureka 구성

1-1. Discovery Service , Eureka Server 설정

New Spring Starter Project

Service URL:

Name:

☒ Use default location

Location:

Type: Packaging:

Java Version: Language:

Group:

Artifact:

Version:

Description:

Package:

Working sets

☐ Add project to working sets

Working sets:

New Spring Starter Project Dependencies

Spring Boot Version:

Frequently Used:

☐ Java Mail Sender ☐ Lombok ☐ MyBatis Framework

☐ Oracle Driver ☐ Spring Data JPA ☐ Spring Security

☐ Spring Web ☐ Validation ☐ WebSocket

Available:

Type to search dependencies

Selected:

X Eureka Server

☐ Observability

☐ Ops

☐ SQL

☐ Security

☐ Spring Cloud

☐ Spring Cloud Circuit Breaker

☐ Spring Cloud Config

☒ Spring Cloud Discovery

☐ Eureka Discovery Client

☒ Eureka Server

☐ Apache Zookeeper Discovery

☐ Consul Discovery

☐ Spring Cloud Messaging

☐ Spring Cloud Routing

☐ Template Engines

1-1-2. Spring Cloud Netflix Eureka 구성

1-2. Discovery Service , Eureka Server 설정

1) 오류발생

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
```

→ http: 로 수정

2) application.yml

- 관련 파일 설정

3) OBootMsaDiscoveryServiceApplication.java에 EurekaServer 설정

@SpringBootApplication

//EurekaServer 설정

@EnableEurekaServer

```
public class OBootMsaDiscoveryServiceApplication {
```

```
    public static void main(String[] args) {
```

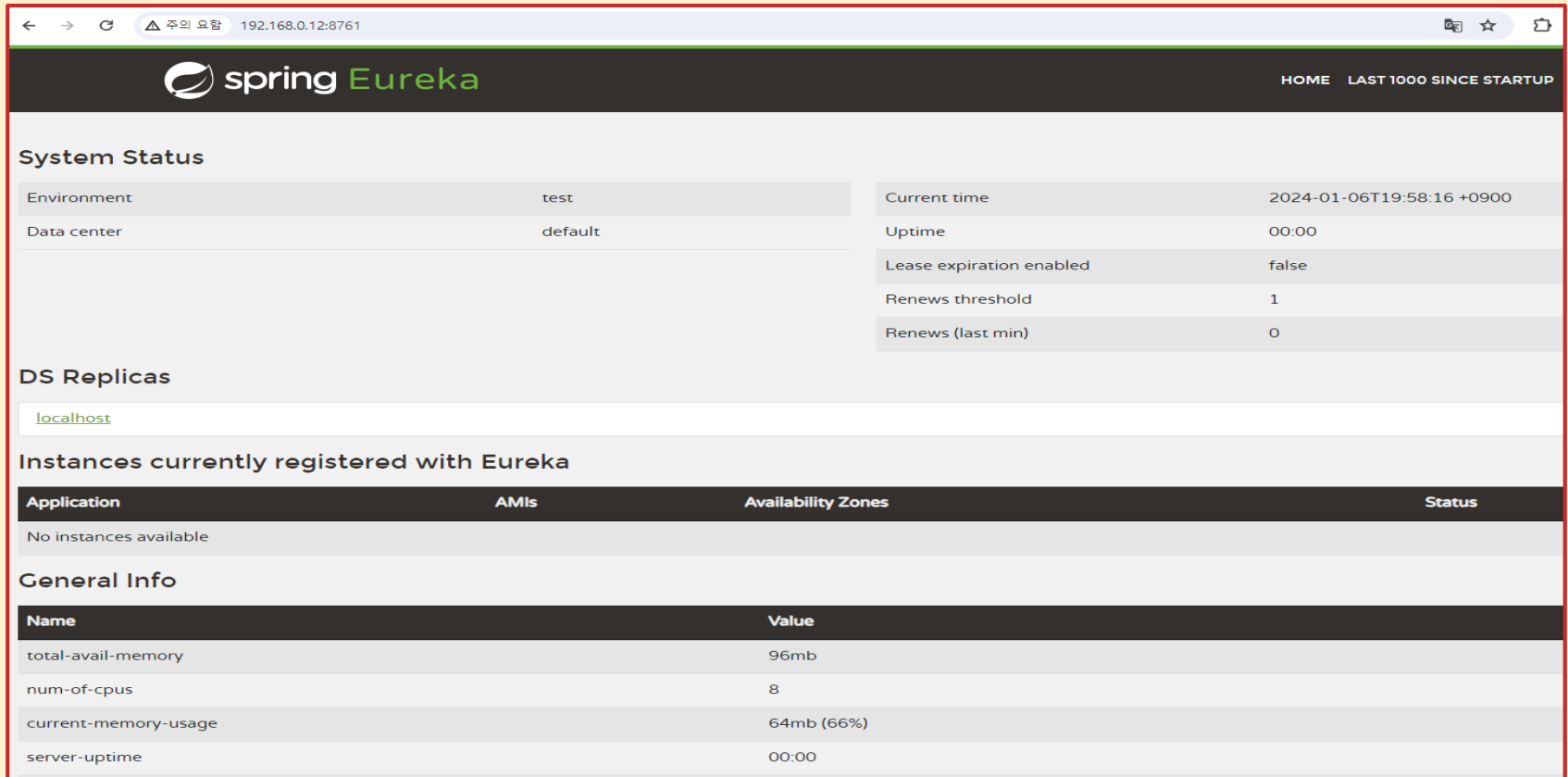
```
        SpringApplication.run(OBootMsaDiscoveryServiceApplication.class, args);
```

```
    }
```

```
}
```

1-1-3. Spring Cloud Netflix Eureka 구성

1-3. Discovery Service , Eureka Server 실행



The screenshot shows the Spring Eureka Server web interface. The browser address bar displays the URL `192.168.0.12:8761`. The interface includes a navigation bar with the Spring Eureka logo and links for `HOME` and `LAST 1000 SINCE STARTUP`.

System Status

Environment	test	Current time	2024-01-06T19:58:16 +0900
Data center	default	Uptime	00:00
		Lease expiration enabled	false
		Renews threshold	1
		Renews (last min)	0

DS Replicas

[localhost](#)

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
No instances available			

General Info

Name	Value
total-avail-memory	96mb
num-of-cpus	8
current-memory-usage	64mb (66%)
server-uptime	00:00

- 인스턴스가 없으면 해당 메시지가 나타나는 것이 정상

2-1-1. Spring Cloud Netflix Eureka 구성

2-1. Eureka Server에 등록 client 설정

New Spring Starter Project

Service URL:

Name:

☒ Use default location

Location:

Type: Packaging:

Java Version: Language:

Group:

Artifact:

Version:

Description:

Package:

Working sets

☐ Add project to working sets

Working sets:

New Spring Starter Project Dependencies

Spring Boot Version:

Frequently Used:

☐ Java Mail Sender ☒ Lombok ☐ MyBatis Framework

☐ Oracle Driver ☐ Spring Data JPA ☐ Spring Security

☐ Spring Web ☐ Validation ☐ WebSocket

Available:

Type to search dependencies

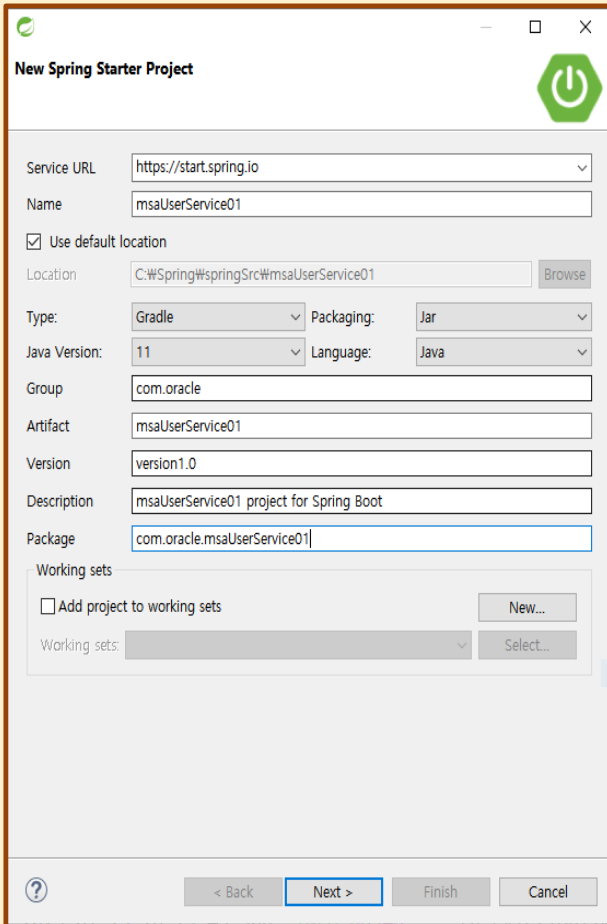
- ▶ Microsoft Azure
- ▶ NoSQL
- ▶ Observability
- ▶ Ops
- ▶ SQL
- ▶ Security
- ▶ Spring Cloud
- ▶ Spring Cloud Circuit Breaker
- ▶ Spring Cloud Config
- ▼ Spring Cloud Discovery
 - ☒ Eureka Discovery Client
 - ☐ Eureka Server
 - ☐ Apache Zookeeper Discovery
 - ☐ Consul Discovery
- ▶ Spring Cloud Messaging

Selected:

- X Spring Boot DevTools
- X Lombok
- X Spring Configuration Processor
- X Eureka Discovery Client

1-1-2. Spring Cloud UserService 등록

1. Discovery Service , Eureka Server 에 등록할 userService



New Spring Starter Project

Service URL:

Name:

☒ Use default location

Location:

Type: Packaging:

Java Version: Language:

Group:

Artifact:

Version:

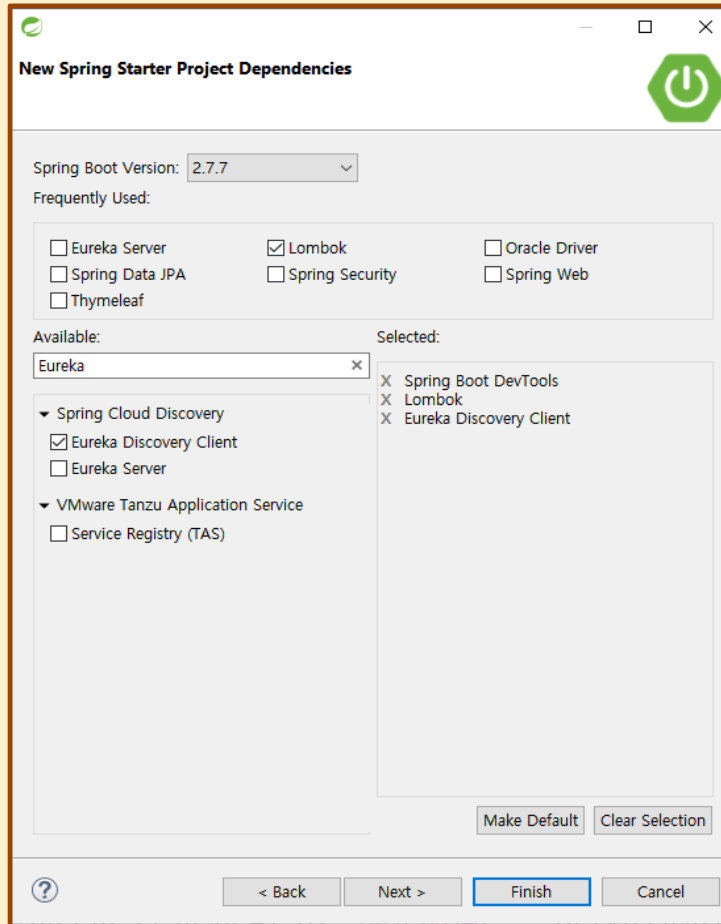
Description:

Package:

Working sets

☐ Add project to working sets

Working sets:



New Spring Starter Project Dependencies

Spring Boot Version:

Frequently Used:

☐ Eureka Server ☒ Lombok ☐ Oracle Driver

☐ Spring Data JPA ☐ Spring Security ☐ Spring Web

☐ Thymeleaf

Available:

Selected:

☒ Spring Cloud Discovery

☒ Eureka Discovery Client

☐ Eureka Server

☐ VMware Tanzu Application Service

☐ Service Registry (TAS)

☒ Spring Boot DevTools

☒ Lombok

☒ Eureka Discovery Client

1-1-2. Spring Cloud UserService 등록

1. Discovery Service , Eureka Server 에 등록할 userService

server:

port: 8090

spring:

application:

name: eureka-service

eureka:

instance:

prefer-ip-address: true

client:

registryFetchIntervalSeconds: 5

disable-delta: true

register-with-eureka: true

fetch-registry: true

serviceUrl:

defaultZone: <http://localhost:8761/eureka/>

1-1-2. Spring Cloud UserService 등록

1. Discovery Service , Eureka Server 에 등록할 userService

New Spring Starter Project Dependencies

Spring Boot Version: 3.2.5

Frequently Used:

- ☒ Eureka Discovery Client
- ☐ MyBatis Framework
- ☒ Spring Web
- ☐ Java Mail Sender
- ☐ Oracle Driver
- ☐ Validation
- ☒ Lombok
- ☐ Spring Data JPA
- ☐ WebSocket

Available:

Type to search dependencies

- ▶ NoSQL
- ▶ Observability
- ▶ Ops
- ▶ SQL
- ▶ Security
- ▶ Spring Cloud
- ▶ Spring Cloud Circuit Breaker
- ▶ Spring Cloud Config
- ▼ Spring Cloud Discovery
 - ☒ Eureka Discovery Client
 - ☐ Eureka Server
 - ☐ Apache Zookeeper Discovery
 - ☐ Consul Discovery
- ▶ Spring Cloud Messaging
- ▶ Spring Cloud Routing

Selected:

- ✕ Spring Boot DevTools
- ✕ Lombok
- ✕ Eureka Discovery Client
- ✕ Spring Web

Make Default Clear Selection

< Back Next > Finish Cancel