## Week 5: Microservice

# **Create Eureka Discovery Server and register and Microservices**

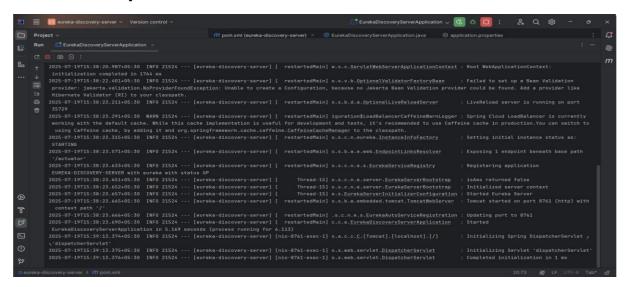
## 1. Eureka Discovery Server

Eurekadiscoveryserver.java

## **Application.property**

#### Pom.xml

# **Console Output**



## 2. Service Discovery Clients

## i)Account - Service

# AccountApplication.java

#### **Controller**

## **Application.property**

#### Pom.xml

# **Console output**

```
COS-07-19715-48-48.611-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Application is null : false 2025-07-19715-48-48.612-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Application is null : false 2025-07-19715-48-48.612-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Application is null : false 2025-07-19715-48-48.612-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Application version is -1: true 2025-07-19715-48-48.612-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Getting all instance registry info from the euroka server 2025-07-19715-48-48.050-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : The response status is 200 2025-07-19715-48-49.050-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Starting heartbeat executor: renew interval is: 30 2025-07-19715-48-49.054-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Discovery Client initialized at timestamp 1752720329056 with initial instances count: 2 2025-07-19715-48-49.055-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [ timestamp:1752720329056 with initial instances count: 2 2025-07-19715-48-49.060-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : Saw local status change event StatusChangeEvent [ timestamp:1752720329060, currentuly, previousSTARTING] 2025-07-19715-48-49.060-05-30 INFO 12984 --- [account-service] [ restartedMain] com.netflix.discovery.DiscoveryClient : DiscoveryClient : DiscoveryClient : DiscoveryClient : Communication in the communication in
```

### ii) Loan-Service

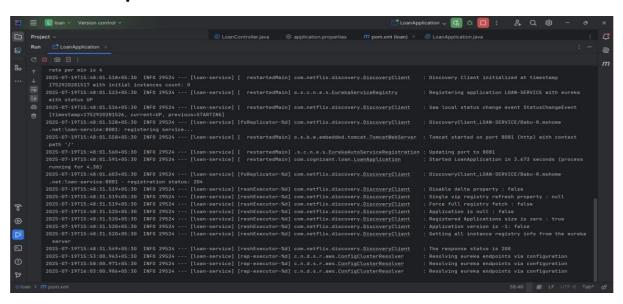
# LoanApplication.java

#### **Controller**

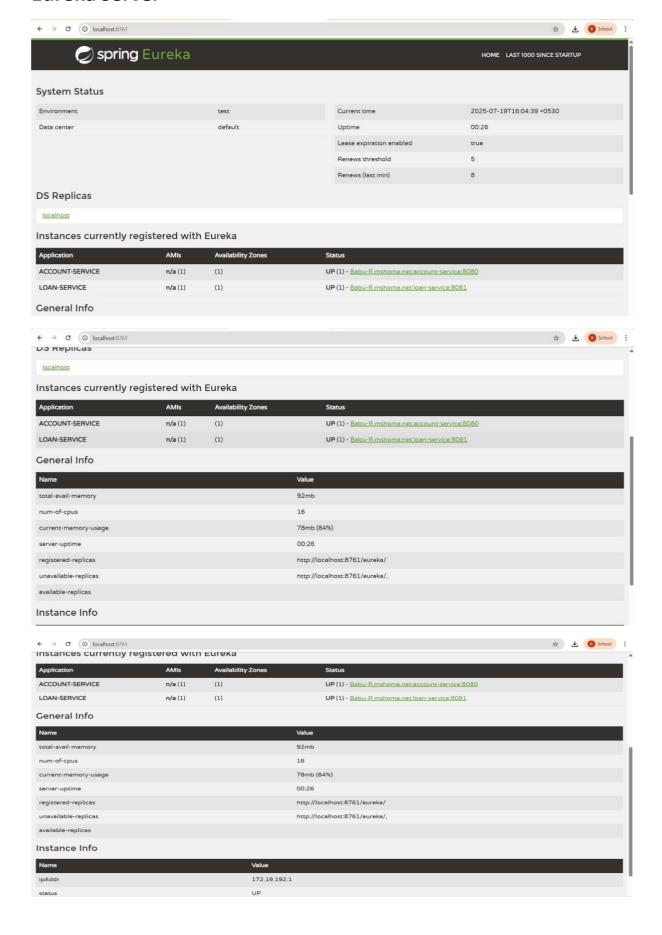
# **Application.property**

#### Pom.xml

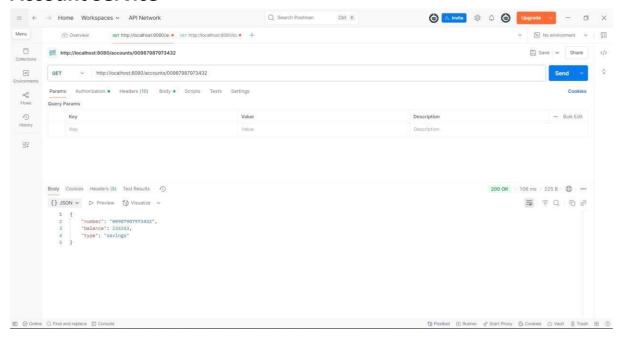
### **Console Output**



#### **Eureka Server**



#### **Account Service**



#### **Loan Service**

