

Microservices with API gateway

```
package com.example.api_gateway;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.cloud.client.discovery.EnableDiscoveryClient;
```

```
@SpringBootApplication
```

```
@EnableDiscoveryClient
```

```
public class ApiGatewayApplication {
```

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

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

```
    }
```

```
}
```

server:

port: 8080

address: localhost

spring:

application:

name: api-gateway

cloud:

gateway:

routes:

- id: account-service

uri: lb://ACCOUNT-SERVICE

predicates:

- Path=/account-service/\*\*

filters:

- StripPrefix=1

eureka:

client:

service-url:

defaultZone: http://localhost:8761/eureka

instance:

prefer-ip-address: true

OUTPUT:

The screenshot shows the Eureka web interface in a browser window. The address bar shows 'localhost:8761'. The interface includes a top navigation bar with 'Eureka' and a search bar. Below the search bar, there are two metrics: 'Renews threshold' with a value of 6, and 'Renews (last min)' with a value of 4. The main content area is divided into three sections: 'DS Replicas' with a search bar containing 'localhost', 'Instances currently registered with Eureka' which contains a table of registered services, and 'General Info' which contains a table of system metrics.

Application	AMIs	Availability Zones	Status
ACCOUNT-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">LAPTOP-VVC31PMF:ACCOUNT-SERVICE:1001</a>
API-GATEWAY	n/a (1)	(1)	UP (1) - <a href="#">LAPTOP-VVC31PMF:api-gateway:8080</a>
LOAN-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">LAPTOP-VVC31PMF:LOAN-SERVICE:1002</a>

Name	Value
total-avail-memory	74mb
num-of-cpus	8
current-memory-usage	55mb (74%)