# 注册中心

## 创建一个springboot程序

## Pom文件

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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 http://maven.apache.org/xsd/maven-4.0.0.xsd">  <modelVersion>4.0.0</modelVersion>  <parent>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-parent</artifactId>  <version>2.1.4.RELEASE</version>  <relativePath/> <!-- lookup parent from repository -->  </parent>  <groupId>com.neogj.springcloud</groupId>  <artifactId>eureka-server</artifactId>  <version>0.0.1-SNAPSHOT</version>  <name>eureka-server</name>  <description>Demo project for Spring Boot</description>  <properties>  <java.version>1.8</java.version>  <spring-cloud.version>Greenwich.SR1</spring-cloud.version>  </properties>  <dependencies>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-web</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-server</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-test</artifactId>  <scope>test</scope>  </dependency>  </dependencies>  <dependencyManagement>  <dependencies>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-dependencies</artifactId>  <version>${spring-cloud.version}</version>  <type>pom</type>  <scope>import</scope>  </dependency>  </dependencies>  </dependencyManagement>  <build>  <plugins>  <plugin>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-maven-plugin</artifactId>  </plugin>  </plugins>  </build>  </project> |

## 配置文件

（修改此文件，可以将2个eurekaserver 作为一个集群，实现高可用）

|  |
| --- |
| spring.application.name=eureka-sever  server.port=8761  eureka.instance.hostname=master  eureka.client.service-url.defaultZone=http://slave:8762/eureka |

|  |
| --- |
| spring.application.name=eureka-sever  server.port=8762  eureka.instance.hostname=slave  eureka.client.service-url.defaultZone=http://master:8761/eureka |

## 主类

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

# 生产者

## 创建一个sprinbboot项目

## Pom文件

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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 http://maven.apache.org/xsd/maven-4.0.0.xsd">  <modelVersion>4.0.0</modelVersion>  <parent>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-parent</artifactId>  <version>2.1.4.RELEASE</version>  <relativePath/> <!-- lookup parent from repository -->  </parent>  <groupId>com.neogj.springcloud</groupId>  <artifactId>producer</artifactId>  <version>0.0.1-SNAPSHOT</version>  <name>producer</name>  <description>Demo project for Spring Boot</description>  <properties>  <java.version>1.8</java.version>  <spring-cloud.version>Greenwich.SR1</spring-cloud.version>  </properties>  <dependencies>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-web</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-test</artifactId>  <scope>test</scope>  </dependency>  </dependencies>  <dependencyManagement>  <dependencies>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-dependencies</artifactId>  <version>${spring-cloud.version}</version>  <type>pom</type>  <scope>import</scope>  </dependency>  </dependencies>  </dependencyManagement>  <build>  <plugins>  <plugin>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-maven-plugin</artifactId>  </plugin>  </plugins>  </build>  </project> |

## 配置文件

（可以整实现高可用）

|  |
| --- |
| spring.application.name=producer  server.port=8081  eureka.client.service-url.defaultZone=http://master:8761/eureka,http://slave:8762/eureka |

|  |
| --- |
| spring.application.name=producer  server.port=8082  eureka.client.service-url.defaultZone=http://master:8761/eureka,http://slave:8762/eureka |

## 主类

|  |
| --- |
| import org.springframework.boot.SpringApplication;  import org.springframework.boot.autoconfigure.SpringBootApplication;  import org.springframework.cloud.netflix.eureka.EnableEurekaClient;  /\*\*  \* @author gaojin  \*/  @EnableEurekaClient  @SpringBootApplication  public class ProducerApplication {  public static void main(String[] args) {  SpringApplication.run(ProducerApplication.class, args);  }  } |

## 服务提供者类

|  |
| --- |
| @RestController  @RequestMapping("order")  public class Order {  @Value("${server.port}")  String port ;  @RequestMapping("create")  public String createOrder(String name) {  return "port = " + port+ ",name = "+name;  }  } |

# 消费者

## 创建一个springboot项目

## Pom文件

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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 http://maven.apache.org/xsd/maven-4.0.0.xsd">  <modelVersion>4.0.0</modelVersion>  <parent>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-parent</artifactId>  <version>2.1.4.RELEASE</version>  <relativePath/> <!-- lookup parent from repository -->  </parent>  <groupId>com.neogj.springcloud</groupId>  <artifactId>customer</artifactId>  <version>0.0.1-SNAPSHOT</version>  <name>customer</name>  <description>Demo project for Spring Boot</description>  <properties>  <java.version>1.8</java.version>  <spring-cloud.version>Greenwich.SR1</spring-cloud.version>  </properties>  <dependencies>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-web</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-test</artifactId>  <scope>test</scope>  </dependency>  </dependencies>  <dependencyManagement>  <dependencies>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-dependencies</artifactId>  <version>${spring-cloud.version}</version>  <type>pom</type>  <scope>import</scope>  </dependency>  </dependencies>  </dependencyManagement>  <build>  <plugins>  <plugin>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-maven-plugin</artifactId>  </plugin>  </plugins>  </build>  </project> |

## 配置文件

|  |
| --- |
| spring.application.name=customer  server.port=9090  eureka.client.service-url.defaultZone=http://master:8761/eureka,http://slave:8762/eureka |

## 主类

|  |
| --- |
| import org.springframework.boot.SpringApplication;  import org.springframework.boot.autoconfigure.SpringBootApplication;  import org.springframework.cloud.netflix.eureka.EnableEurekaClient;  @EnableEurekaClient  @SpringBootApplication  public class CustomerApplication {  public static void main(String[] args) {  SpringApplication.run(CustomerApplication.class, args);  }  } |

## 消费者类

|  |
| --- |
| /\*\*  \* @author gaojin  \*/  @RestController  @RequestMapping("/processOrder")  public class ProcessOrder {  Logger logger = LoggerFactory.getLogger(ProcessOrder.class);  @Autowired  RestTemplate restTemplate ;  @Bean  @LoadBalanced  public RestTemplate getRestTemplate() {  return new RestTemplate();  }  @RequestMapping("getOrder")  public String getOrder() {  logger.info("hellow hel ow jdfjkjdkfj");  return restTemplate.getForObject("http://producer/order/create?name=gaojin", String.class);  }  } |