

生产者和消费者注册及调用演示

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1. 创建用户服务

◦ 添加pom文件

```
<dependencies>
  <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-web</artifactId>
  </dependency>
</dependencies>
```

◦ 创建配置文件

```
###服务启动端口号
server:
  port: 8801
###服务名称(服务注册到eureka名称)
spring:
  application:
    name: yidiankt-user
###服务注册到eureka地址
eureka:
  # instance:
  #   prefer-ip-address: true
  #   instance-id: 192.168.3.2:${server.port}
  #   hostname: localhost
  client:
    service-url:
      defaultZone: http://127.0.0.1:8888/eureka
###因为该应用为注册中心
  register-with-eureka: true
###是否需要从eureka上获取注册信息
  fetch-registry: true
```

◦ controller类

```

@RestController
public class UserController {

    @RequestMapping("/user/{id}")
    public String getUser(@PathVariable("id") int id) {

        if (id == 1) {
            return "yidiankt";
        } else if (id == 2) {
            return "程老师";
        } else {
            return "多岸教育";
        }
    }
}

```

- 启动类

```

@SpringBootApplication
// 开启eureka的客户端注解
@EnableEurekaClient
public class UserApp {

    public static void main(String[] args) {
        SpringApplication.run(UserApp.class, args);
    }
}

```

2. 创建订单服务

- pom文件

```

<dependencies>
    <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-web</artifactId>
    </dependency>

    <dependency>
        <groupId>org.springframework.cloud</groupId>
        <artifactId>spring-cloud-starter-netflix-ribbon</artifactId>
    </dependency>
</dependencies>

```

- 添加controller

```


```

```

@RestController
public class OrderController {

    @Autowired
    OrderService orderService;

    @RequestMapping("/order")
    public String addOrder(String name) {
        // 调用用户, 查询用户信息,
        String result = orderService.getUser(1);

        return "生成订单: " + result;
    }
}

```

o 添加service

```

@Service
public class OrderService {

    @Autowired
    RestTemplate restTemplate;

    public String getUser(int id) {
        // 获取用户信息? ? ?
        String url = "http://yidiankt-user/user/{id}";

        String info = restTemplate.getForObject(url, String.class, id);
        return info;
    }
}

```

o 添加启动类

```

@SpringBootApplication
@EnableEurekaClient
public class OrderApp {

    public static void main(String[] args) {

        SpringApplication.run(OrderApp.class, args);

    }

    @Bean
    @LoadBalanced
    RestTemplate restTemplate() {
        return new RestTemplate();
    }
}

```

