#### Spring Cloud

##### 之客户端负载均衡Ribbon

问题描述

Spring Boot 2.2.5

Spring Cloud Hoxton SR4

JDK 14

Ribbon是Spring Cloud全家桶中的一个中间件，特点包括：

* 软负载均衡（相对于硬件实现的负载均衡，如F5）
* 客户端负载均衡

解决

Ribbon配置：

1. 导入Maven依赖

<dependency>

<groupId>org.springframework.cloud</groupId>

<artifactId>spring-cloud-starter-netflix-ribbon</artifactId>

<version>2.2.2.RELEASE</version>

</dependency>

1. 配置application.yml

spring:

application:

name: spring-cloud-ribbon

server:

port: 8888

ping-server:

ribbon:

eureka:

enabled: false

listOfServers: localhost:9092,localhost:9999

ServerListRefreshInterval: 15000

1. 开启注解

@SpringBootApplication

@RestController

@RibbonClient(

name = "ping-a-server",

configuration = RibbonConfiguration.class)

public class ServerLocationApp {

@LoadBalanced

@Bean

RestTemplate getRestTemplate() {

return new RestTemplate();

}

@Autowired

RestTemplate restTemplate;

@RequestMapping("/server-location")

public String serverLocation() {

return this.restTemplate.getForObject(

"http://ping-server/locaus", String.class);

}

public static void main(String[] args) {

SpringApplication.run(ServerLocationApp.class, args);

}

}

笔记

1. SC Ribbon依赖于SC Eureka
2. Ribbon对应注解@LoadBalanced

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