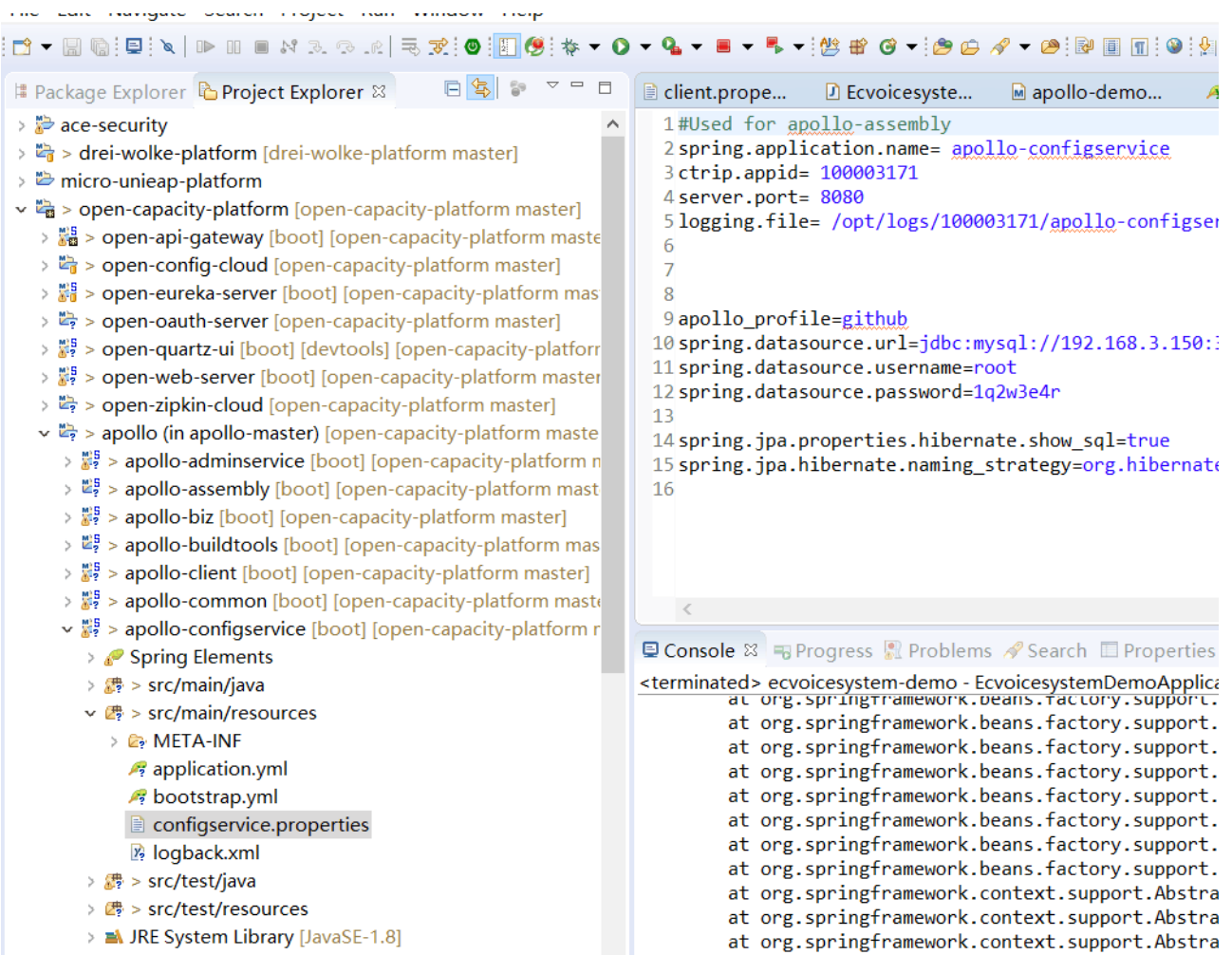


### 修改apollo-configservice的数据源



- apollo-adminservice  
修改apollo-adminservice的数据源

The screenshot shows the Spring Tool Suite IDE interface. The Package Explorer on the left displays the project structure, with the 'adminservice.properties' file selected under 'src/main/resources'. The Project Explorer on the right shows the 'application.yml' file with the following content:

```

1 #Used for apollo-assembly
2 spring.application.name= apollo-adminservice
3 ctrip.appid= 100003172
4 server.port= 8090
5 logging.file= /opt/logs/100003172/apollo-adminserv
6
7 apollo_profile=github
8 spring.datasource.url=jdbc:mysql://192.168.3.150:
9 spring.datasource.username=root
10 spring.datasource.password=1q2w3e4r
11
12 spring.jpa.properties.hibernate.show_sql=true
13 spring.jpa.hibernate.naming_strategy=org.hibernate

```

The Console on the bottom right shows the following output:

```

<terminated> ecvoicesystem-demo - EcvoicesystemDemoApplica
at org.springframework.beans.factory.support.
at org.springframework.beans.factory.support.
at org.springframework.beans.factory.support.
at org.springframework.beans.factory.support.
at org.springframework.beans.factory.support.
at org.springframework.beans.factory.support.
at org.springframework.beans.factory.support.
at org.springframework.context.support.Abstra
at org.springframework.context.support.Abstra
at org.springframework.boot.SpringApplication
at org.springframework.boot.SpringApplication
at org.springframework.boot.SpringApplication
at org.springframework.boot.SpringApplication
at com.example.demo.EcvoicesystemDemoApplicat

```

The Servers tab at the bottom shows two servers: 'Pivotal tc Server Developer Edition v3.1 [Stopped]' and 'Tomcat v6.0 Server at localhost [Stopped]'.

- apollo-portal  
修改apollo-portal代码及数据源

Package Explorer

Project Explorer

> open-oauth-server [open-capacity-platform master]

> open-quartz-ui [boot] [devtools] [open-capacity-platform master]

> open-web-server [boot] [open-capacity-platform master]

> open-zipkin-cloud [open-capacity-platform master]

> apollo (in apollo-master) [open-capacity-platform master]

> apollo-adminservice [boot] [open-capacity-platform master]

> apollo-assembly [boot] [open-capacity-platform master]

> apollo-biz [boot] [open-capacity-platform master]

> apollo-buildtools [boot] [open-capacity-platform master]

> apollo-client [boot] [open-capacity-platform master]

> apollo-common [boot] [open-capacity-platform master]

> apollo-configservice [boot] [open-capacity-platform master]

> apollo-core [boot] [open-capacity-platform master]

> apollo-demo [boot] [open-capacity-platform master]

> apollo-portal [boot] [open-capacity-platform master]

> Spring Elements

> src/main/java

> com.ctrip.framework.apollo

> openapi

> portal

> api

> component

> constant

> controller

> entity

> enums

> listener

> repository

> service

> spi

> util

PortalApplication.java

apollo-demo... application.yml app.properties

```
1 package com.ctrip.framework.apollo.portal;
2
3 import com.ctrip.framework.apollo.common.ApolloCommon;
4
5 @EnableAspectJAutoProxy
6 @Configuration
7 @PropertySource(value = {"classpath:portal.properties"})
8 @EnableAutoConfiguration
9 @EnableTransactionManagement
10 @ComponentScan(basePackageClasses = {ApolloCommon.class, PortalOpenApiConfig.class})
11 public class PortalApplication {
12
13     public static void main(String[] args) throws Exception {
14         ConfigurableApplicationContext context = SpringApplication.run(PortalApplication.class, args);
15         context.addApplicationListener(new ApplicationListener<ApolloConfig>() {
16             @Override
17             public void onApplicationEvent(ApolloConfig event) {
18                 // TODO: handle ApolloConfig event
19             }
20         });
21     }
22 }
```

Console

Progress

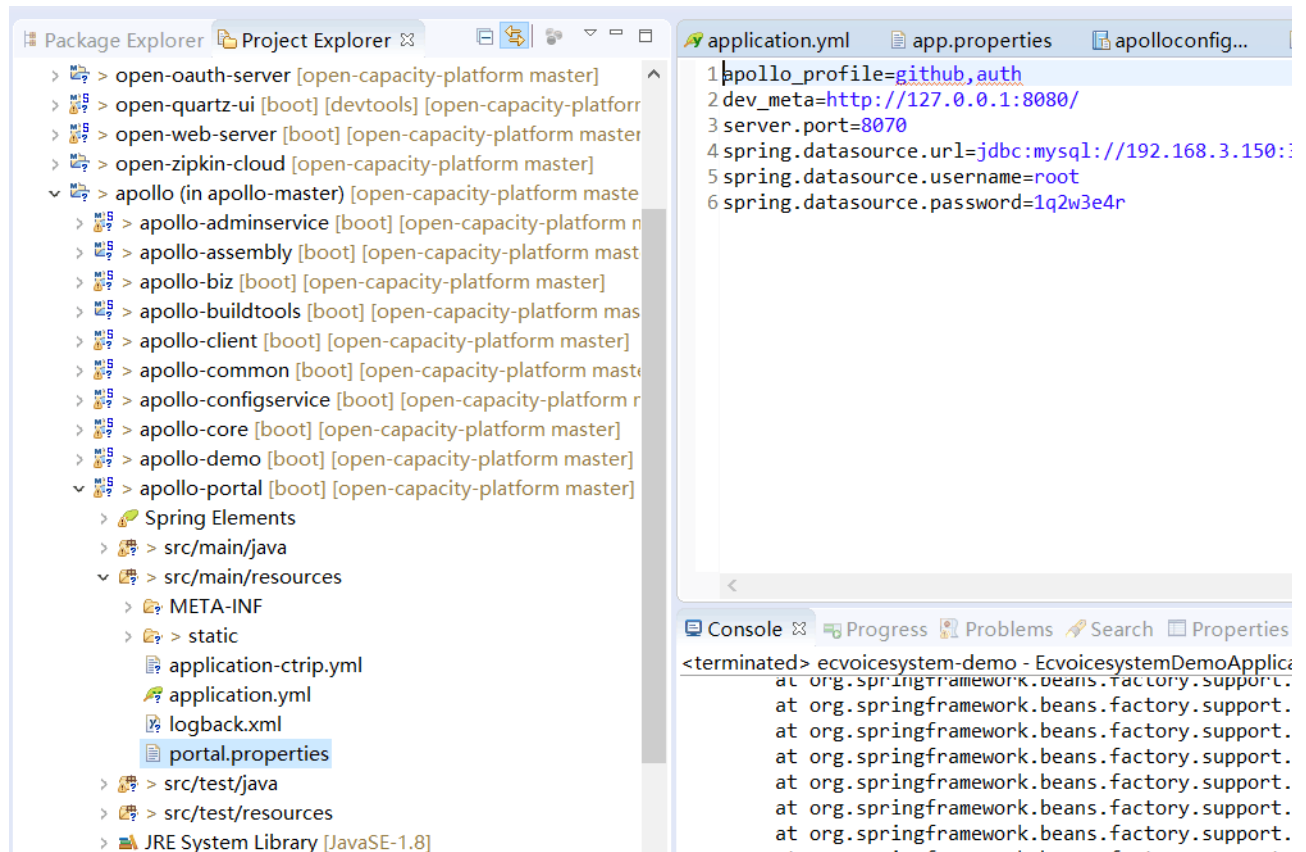
Problems

Search

Properties

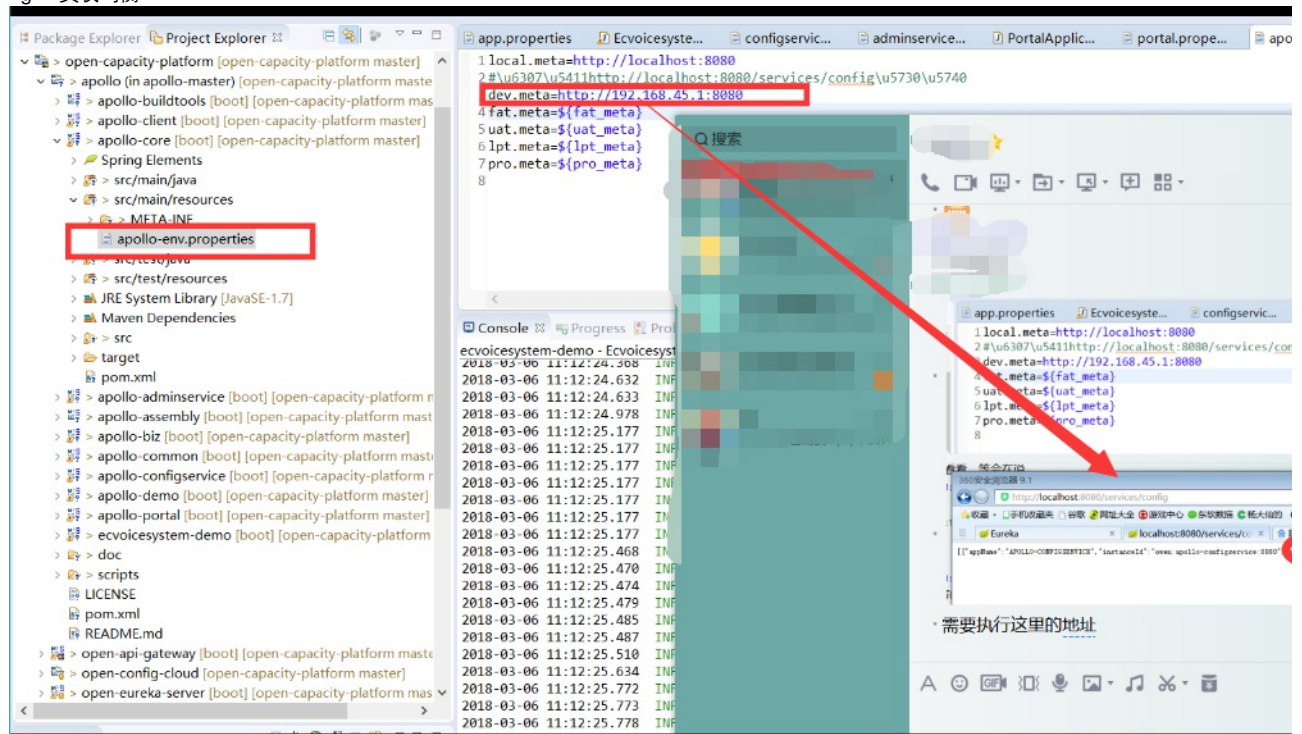
<terminated> ecvoicesystem-demo - EcvoicesystemDemoApplication
at org.springframework.beans.factory.support.DefaultListableBeanFactory.doGetBean()
at org.springframework.beans.factory.support.DefaultListableBeanFactory.getBean()
at org.springframework.beans.factory.support.DefaultListableBeanFactory.getBean()
at org.springframework.beans.factory.support.DefaultListableBeanFactory.getBean()
at org.springframework.beans.factory.support.DefaultListableBeanFactory.getBean()
at org.springframework.beans.factory.support.DefaultListableBeanFactory.getBean()
at org.springframework.beans.factory.support.DefaultListableBeanFactory.getBean()
at org.springframework.context.support.AbstractApplicationContext.getBean()
at org.springframework.context.support.AbstractApplicationContext.getBean()
at org.springframework.context.support.AbstractApplicationContext.getBean()
at org.springframework.boot.SpringApplication.run()
at org.springframework.boot.SpringApplication.run()





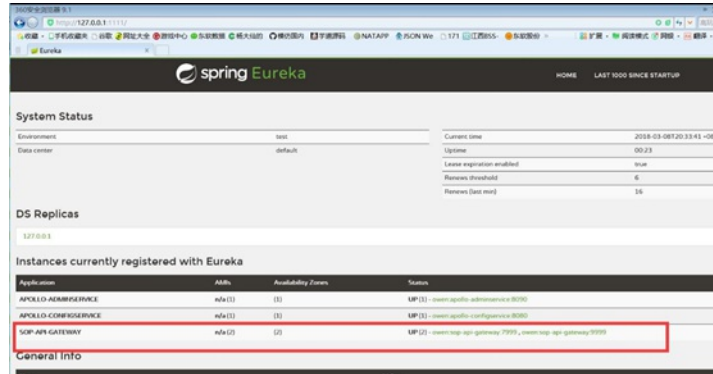
- apollo-core

修改开发环境读取配置文件的地址，填入apollo-configservice注册到eureka服务器的地址，如果apollo-configservice启动多台，可以引入nginx负载均衡



### 3.阿波罗整合zuul服务注册中心

- 效果预览



访问<http://127.0.0.1:9999/test163>即可读取阿波罗页面配置参数，页面修改后可刷新所有阿波罗客户端

- apollo-zuul

apollo-zuul项目用的是Eureka作为服务注册与发现，因此这里我加入了Eureka Client的依赖，同时需要加入zuul网关的依赖实现微服务的路由pom.xml文件加入以下依赖

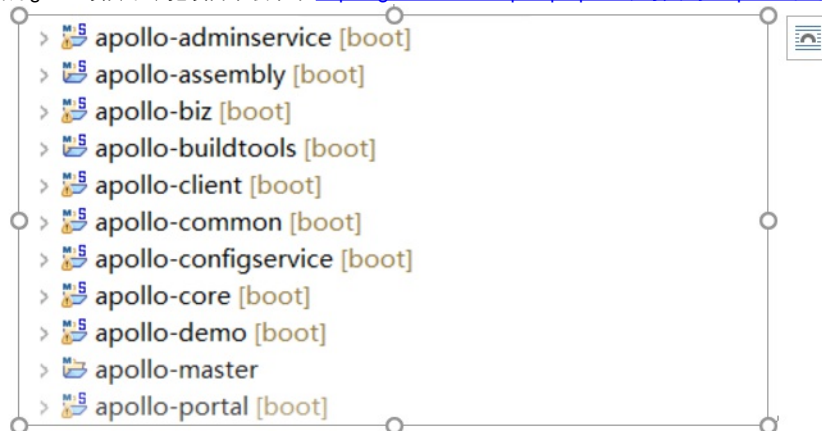
```
<dependencies>
  <dependency>
    <groupId>org.springframework.cloud</groupId>
    <artifactId>spring-cloud-starter-eureka</artifactId>
  </dependency>
  <dependency>
    <groupId>com.ctrip.framework.apollo</groupId>
    <artifactId>apollo-client</artifactId>
    <version>0.10.0-SNAPSHOT</version>
  </dependency>

  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>

  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-actuator</artifactId>
    <scope>true</scope>
  </dependency>
  <dependency>
    <groupId>org.springframework.cloud</groupId>
    <artifactId>spring-cloud-starter-zuul</artifactId>
  </dependency>
</dependencies>
```

#### 3.1.1 下载项目

在官方github项目中，把项目下载下来 <https://github.com/ctripcorp/apollo>，导入到Eclipse工程中。如下图



由于官方给出的分布式搭建需要加入很多启动参数，过于繁琐，可以考虑<https://gitee.com/234gdfgsdf/open-capacity-platform/tree/master/apollo-master>下载

项目组织结构(功能)[端口]

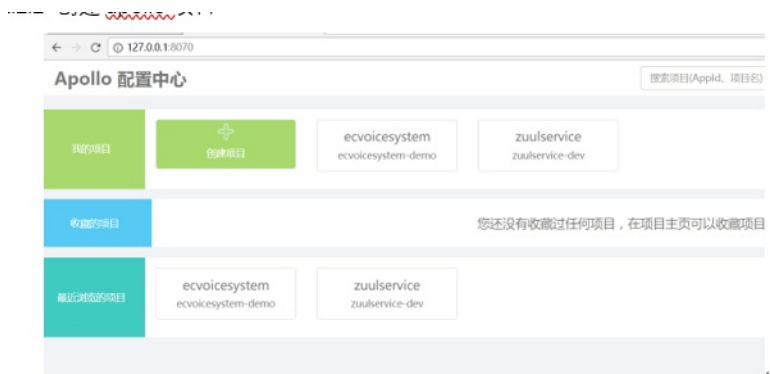
apollo -- 阿波罗配置中心

apollo-configservice (提供配置的修改、发布等功能, 服务对象是Apollo Portal) [8080]  
apollo-adminservice (提供配置的读取、推送等功能, 服务对象是Apollo客户端)[8090]  
apollo-portal (管理界面) [8070]  
apollo-zuul (阿波罗整合zuul网关)  
open-eureka-server (服务注册中心)[1111]

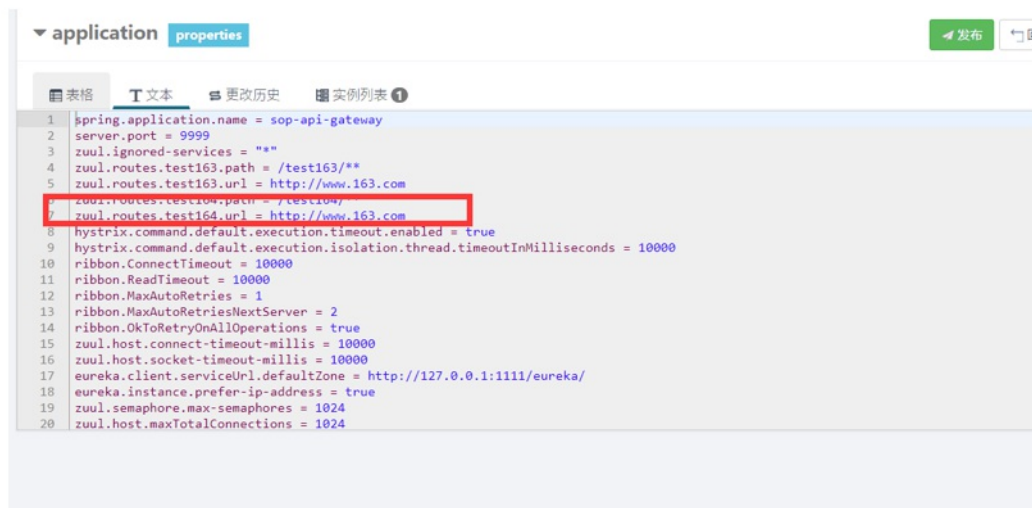
3.2 application.properties 配置写入到Apollo配置中心 3.2.1 application.properties 如下原本是写在spring boot 工程中的配置信息, 接下来写入到配置中心中。

```
spring.application.name=sop-api-gateway  
server.port=9999  
zuul.ignored-services=""
```

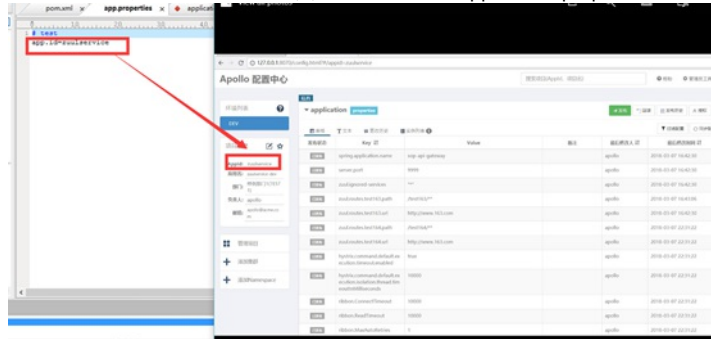
### 3.2.2 创建apollo项目



这里我已经创建好了, 就不做过多演示了。



将信息上传写入到配置文件中, 然后在把工程中的application.properties文件删除。 3.2.3 新建app.properties文件



### 3.2.4 配置刷新zuul配置

```

1 package com.open.capacity.config;
2
3 import org.springframework.boot.context.properties.ConfigurationProperties;
4
5 /**
6  * @author 作者 owen E-mail: wang.wen@neusoft.com
7  * @version 创建时间: 2018年2月23日 下午10:29:25
8  * 类说明
9  */
10
11 @Configuration
12 public class ZuulConfig {
13
14     @Bean(name="zuul.CONFIGURATION_PROPERTIES")
15     @RefreshScope
16     @ConfigurationProperties("zuul")
17     @Primary
18     public ZuulProperties zuulProperties() {
19         return new ZuulProperties();
20     }
21 }
22
23

```

配置页面发布即时更新zuul配置

```

1 package com.open.capacity.config;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 /**
6  * @author 作者 owen E-mail: wang.wen@neusoft.com
7  * @version 创建时间: 2018年3月7日 下午10:56:13
8  * 类说明
9  */
10
11 @Component
12 public class ZuulConfigRreshConfig {
13
14     @Autowired
15     private ZuulConfig zuulConfig ;
16
17     @Autowired
18     private RefreshScope refreshScope ;
19
20     @ApolloConfigChangeListener
21     public void onChange(ConfigChangeEvent changEvent){
22         refreshScope.refresh("zuul.CONFIGURATION_PROPERTIES") ;
23     }
24 }
25
26

```

application.java启动类

@RestController

@EnableZuulProxy

@EnableApolloConfig

@EnableDiscoveryClient

@SpringBootApplication

public class ApiGatewayApp {

```

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

```

注意加注解。

然后直接启动即可。。。。。。。