



链滴

Spring Cloud 实战系列 (一) 服务注册与发现 Eureka

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来源网站: [链滴](#)

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配置 eureka 主工程

创建一个主 Maven 工程，springcloud-parent，删除 src 目录。

pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
MLSchema-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>
  <packaging>pom</packaging>
  <modules>
    <module>eureka-server</module>
    <module>eureka-client</module>
  </modules>
  <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.wit</groupId>
  <artifactId>springcloud-parent</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>springcloud-parent</name>
  <description>springcloud-parent</description>

  <properties>
    <java.version>1.8</java.version>
```

```

    <spring-cloud.version>Finchley.RELEASE</spring-cloud.version>
</properties>

<!-- 引入eureka -->
<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>

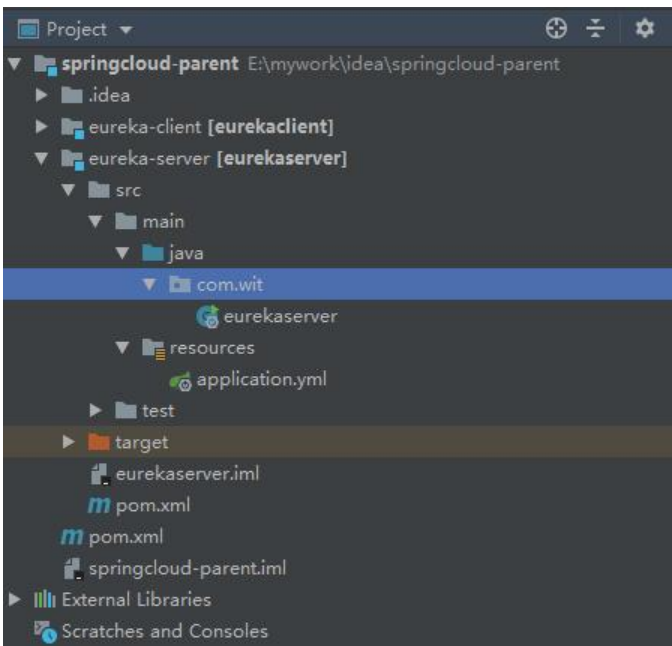
<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>

</project>

```

配置 eureka-server

在 springcloud-parent 上创建 (New --> Module) eureka-server 项目, eureka-server 目录



pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
MLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd
maven-4.0.0.xsd">
    <parent>
        <artifactId>springcloud-parent</artifactId>
        <groupId>com.wit</groupId>
        <version>0.0.1-SNAPSHOT</version>
    </parent>
    <modelVersion>4.0.0</modelVersion>

    <artifactId>eureka-server</artifactId>

    <name>eureka-server</name>
    <!-- FIXME change it to the project's website -->
    <url>http://www.example.com</url>

    <properties>
        <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
        <maven.compiler.source>1.7</maven.compiler.source>
        <maven.compiler.target>1.7</maven.compiler.target>
    </properties>

    <dependencies>
        <dependency>
            <groupId>junit</groupId>
            <artifactId>junit</artifactId>
            <version>4.11</version>
            <scope>test</scope>
        </dependency>
        <!-- 添加依赖 eureka-server -->
        <dependency>
            <groupId>org.springframework.cloud</groupId>
            <artifactId>spring-cloud-starter-netflix-eureka-server</artifactId>
            <version>2.1.1.RELEASE</version>
        </dependency>
    </dependencies>

    <build>
        <pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (m
y be moved to parent pom) -->
        <plugins>
            <!-- clean lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles
html#clean_Lifecycle -->
            <plugin>
                <artifactId>maven-clean-plugin</artifactId>
                <version>3.1.0</version>
            </plugin>
            <!-- default lifecycle, jar packaging: see https://maven.apache.org/ref/current/mave
-core/default-bindings.html#Plugin_bindings_for_jar_packaging -->
            <plugin>
```

```

        <artifactId>maven-resources-plugin</artifactId>
        <version>3.0.2</version>
    </plugin>
    <plugin>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.8.0</version>
    </plugin>
    <plugin>
        <artifactId>maven-surefire-plugin</artifactId>
        <version>2.22.1</version>
    </plugin>
    <plugin>
        <artifactId>maven-jar-plugin</artifactId>
        <version>3.0.2</version>
    </plugin>
    <plugin>
        <artifactId>maven-install-plugin</artifactId>
        <version>2.5.2</version>
    </plugin>
    <plugin>
        <artifactId>maven-deploy-plugin</artifactId>
        <version>2.8.2</version>
    </plugin>
    <!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.h
ml#site_Lifecycle -->
    <plugin>
        <artifactId>maven-site-plugin</artifactId>
        <version>3.7.1</version>
    </plugin>
    <plugin>
        <artifactId>maven-project-info-reports-plugin</artifactId>
        <version>3.0.0</version>
    </plugin>
</plugins>
</pluginManagement>
</build>
</project>

```

eureka-server

```
package com.wit;
```

```
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.cloud.netflix.eureka.server.EnableEurekaServer;
```

```
/**
 * 主程序
 */
@SpringBootApplication
@EnableEurekaServer // eureka-server
public class eureka-server
{
    public static void main( String[] args )

```

```

{
    SpringApplication.run(eurekaServer.class);
}
}

```

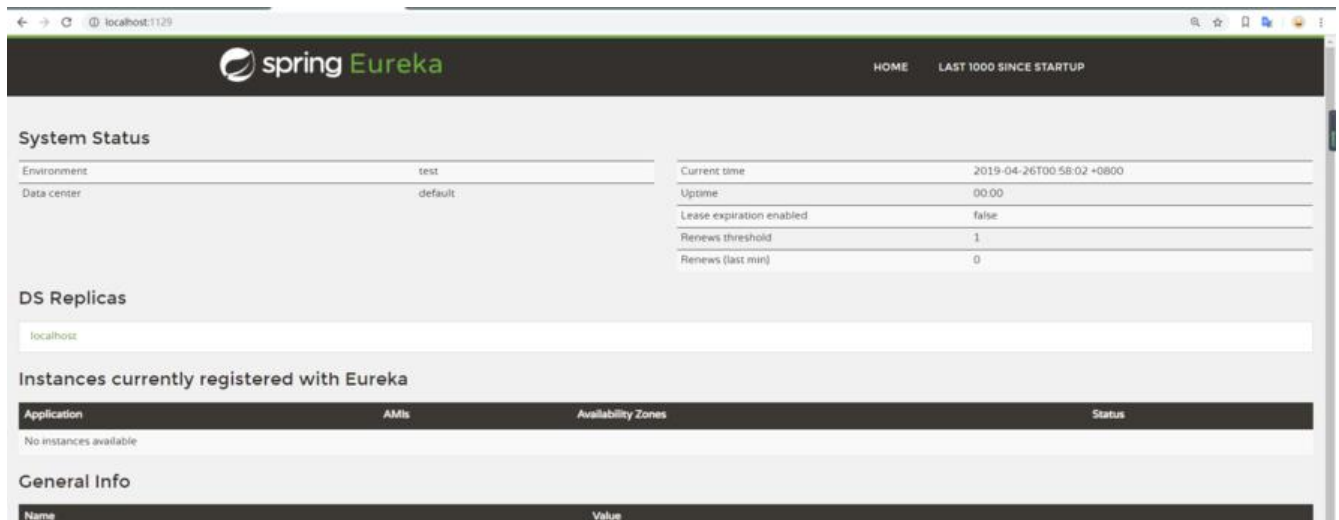
application.yml

```

server:
  port: 1129
eureka:
  client:
    register-with-eureka: false
    fetch-registry: false
    service-url:
      defaultZone: http://localhost:1129/eureka/
spring:
  application:
    name: eureka-server

```

启动程序，输入 `http://localhost:1129/` 启动成功。



配置 eureka-client

在 springcloud-parent 上创建 (New --> Module) eureka-client 项目

pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
MLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd
maven-4.0.0.xsd">
  <parent>
    <artifactId>springcloud-parent</artifactId>
    <groupId>com.wit</groupId>
    <version>0.0.1-SNAPSHOT</version>
  </parent>

```

```

<modelVersion>4.0.0</modelVersion>

<artifactId>eureka-client</artifactId>

<name>eureka-client</name>
<!-- FIXME change it to the project's website -->
<url>http://www.example.com</url>

<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <maven.compiler.source>1.7</maven.compiler.source>
  <maven.compiler.target>1.7</maven.compiler.target>
</properties>

<dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.11</version>
    <scope>test</scope>
  </dependency>

  <!-- 添加 eureka client 依赖 -->
  <dependency>
    <groupId>org.springframework.cloud</groupId>
    <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId>
    <version>2.0.0.RELEASE</version>
  </dependency>

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

<build>
  <pluginManagement> <!-- lock down plugins versions to avoid using Maven defaults (m
y be moved to parent pom) -->
    <plugins>
      <!-- clean lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles
html#clean_Lifecycle -->
      <plugin>
        <artifactId>maven-clean-plugin</artifactId>
        <version>3.1.0</version>
      </plugin>
      <!-- default lifecycle, jar packaging: see https://maven.apache.org/ref/current/mave
-core/default-bindings.html#Plugin_bindings_for_jar_packaging -->
      <plugin>
        <artifactId>maven-resources-plugin</artifactId>
        <version>3.0.2</version>
    </plugins>
  </pluginManagement>
</build>

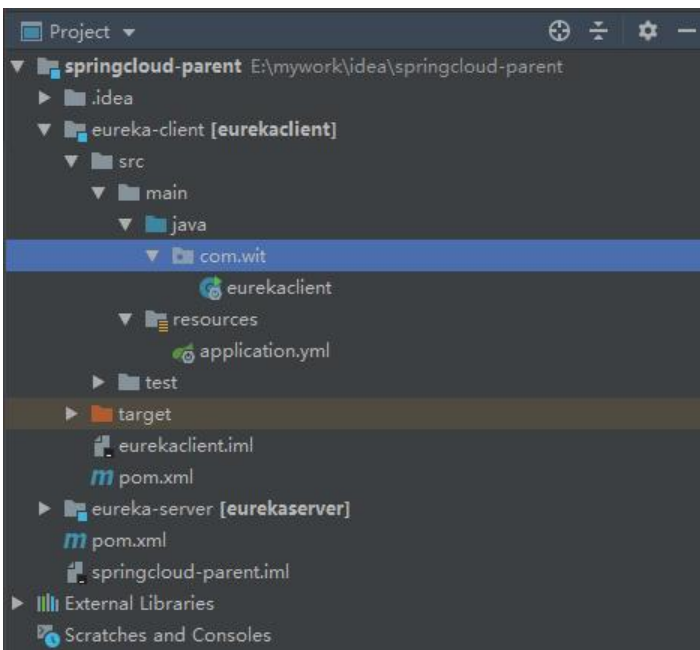
```

```

</plugin>
<plugin>
  <artifactId>maven-compiler-plugin</artifactId>
  <version>3.8.0</version>
</plugin>
<plugin>
  <artifactId>maven-surefire-plugin</artifactId>
  <version>2.22.1</version>
</plugin>
<plugin>
  <artifactId>maven-jar-plugin</artifactId>
  <version>3.0.2</version>
</plugin>
<plugin>
  <artifactId>maven-install-plugin</artifactId>
  <version>2.5.2</version>
</plugin>
<plugin>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
</plugin>
<!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.h
ml#site_Lifecycle -->
<plugin>
  <artifactId>maven-site-plugin</artifactId>
  <version>3.7.1</version>
</plugin>
<plugin>
  <artifactId>maven-project-info-reports-plugin</artifactId>
  <version>3.0.0</version>
</plugin>
</plugins>
</pluginManagement>
</build>
</project>

```

eureka-client 目录



eurekaclient

```
package com.wit;
```

```
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.EnableAutoConfiguration;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.cloud.netflix.eureka.EnableEurekaClient;
```

```
/**  
 * 主程序  
 */  
@SpringBootApplication  
@EnableEurekaClient // eureka 客户端  
public class eurekaclient  
{  
    public static void main( String[] args )  
    {  
        SpringApplication.run(eurekaclient.class);  
    }  
}
```

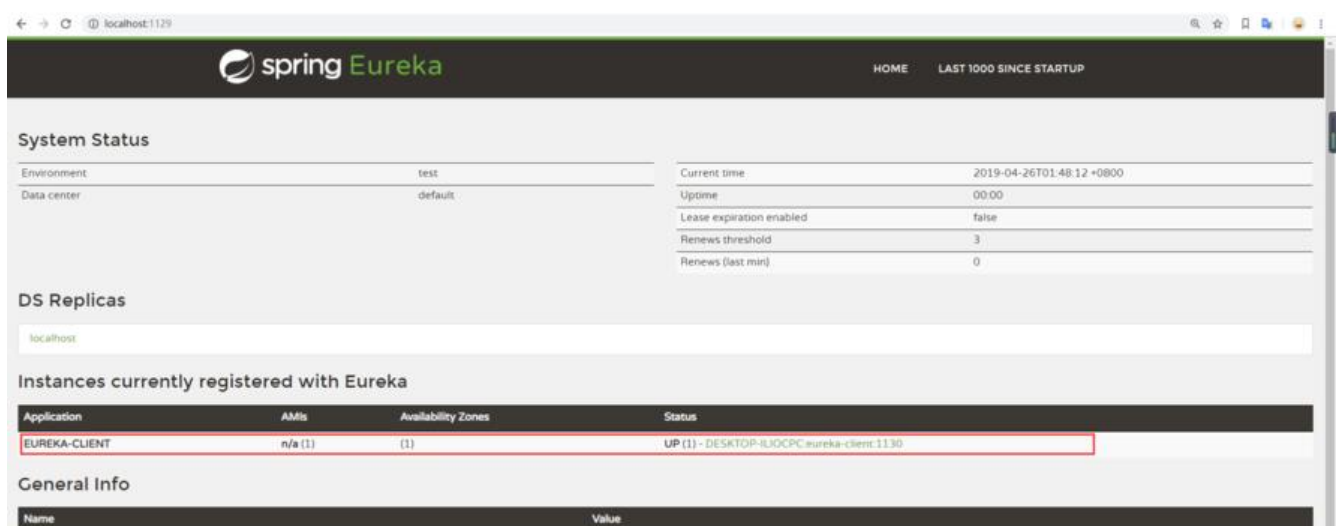
application.yml

```
eureka:  
  client:  
    service-url:  
      defaultZone: http://localhost:1129/eureka/  
server:  
  port: 1130  
spring:  
  application:  
    name: eureka-client
```

启动程序，输入 `http://localhost:1129/` 看到如下图就表示启动成功。

```
INFO 17866 --- [infoReplicator-0] org.netflix.discovery.DiscoveryClient : DiscoveryClient_EUREKA-CLIENT/DESKTOP-ILIOPC:eureka-client:1130: registering service...  
INFO 17866 --- [infoReplicator-0] org.netflix.discovery.DiscoveryClient : DiscoveryClient_EUREKA-CLIENT/DESKTOP-ILIOPC:eureka-client:1130 - registration status: 204  
INFO 17866 --- [main] org.apache.catalina.core.StandardThreadLocalServlet : Tomcat started on port(s): 1130 (http) with context path ''  
INFO 17866 --- [main] com.wit.eurekaclient : Started eurekaclient in 2.863 seconds (JVM running for 3.386)
```

刷新，就可以看到 `eureka-client` 注册到 `eureka-server` 里了。



The screenshot shows the Spring Eureka web interface. The top navigation bar includes 'HOME' and 'LAST 1000 SINCE STARTUP'. The main content area is divided into several sections:

- System Status:** A table showing environment details.

Environment	test	Current time	2019-04-26T01:48:12 +0800
Data center	default	Uptime	00:00
		Lease expiration enabled	false
		Renews threshold	3
		Renews (last min)	0
- DS Replicas:** A text input field containing 'localhost'.
- Instances currently registered with Eureka:** A table with columns for Application, AMIs, Availability Zones, and Status.

Application	AMIs	Availability Zones	Status
EUREKA-CLIENT	n/a (1)	(1)	UP (1) - DESKTOP-ILIOPC:eureka-client:1130
- General Info:** A table with columns for Name and Value.

原文链接: [Spring Cloud 实战系列 \(一\) 服务注册与发现 Eureka](#)