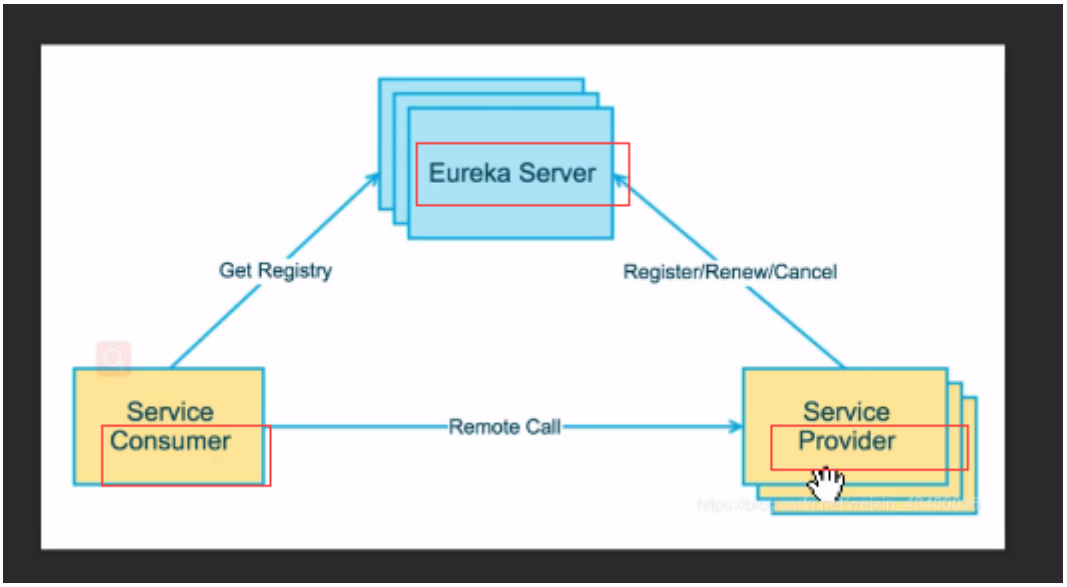
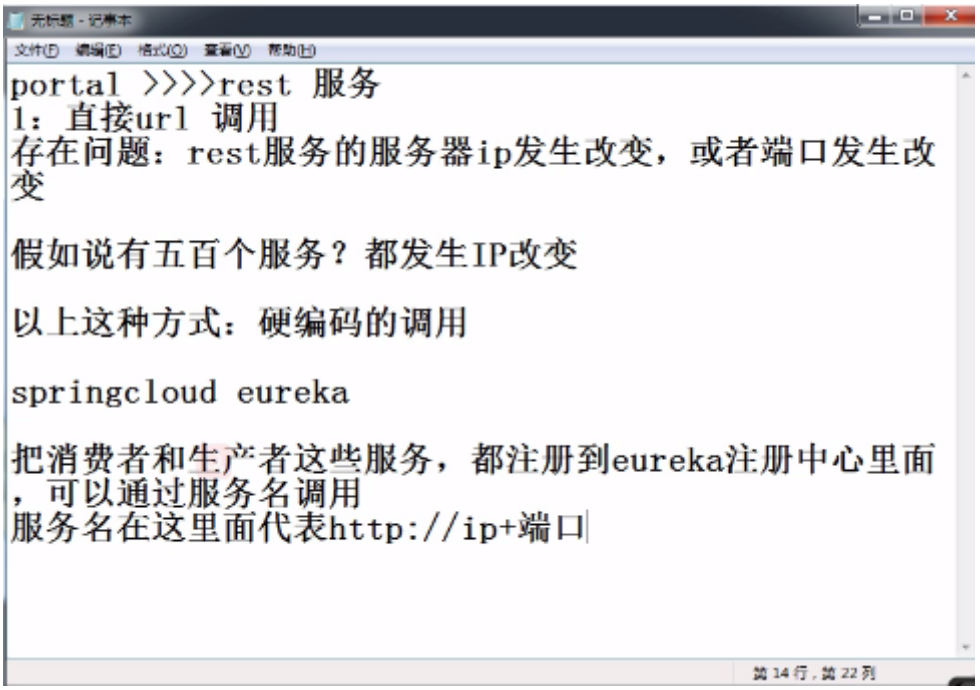
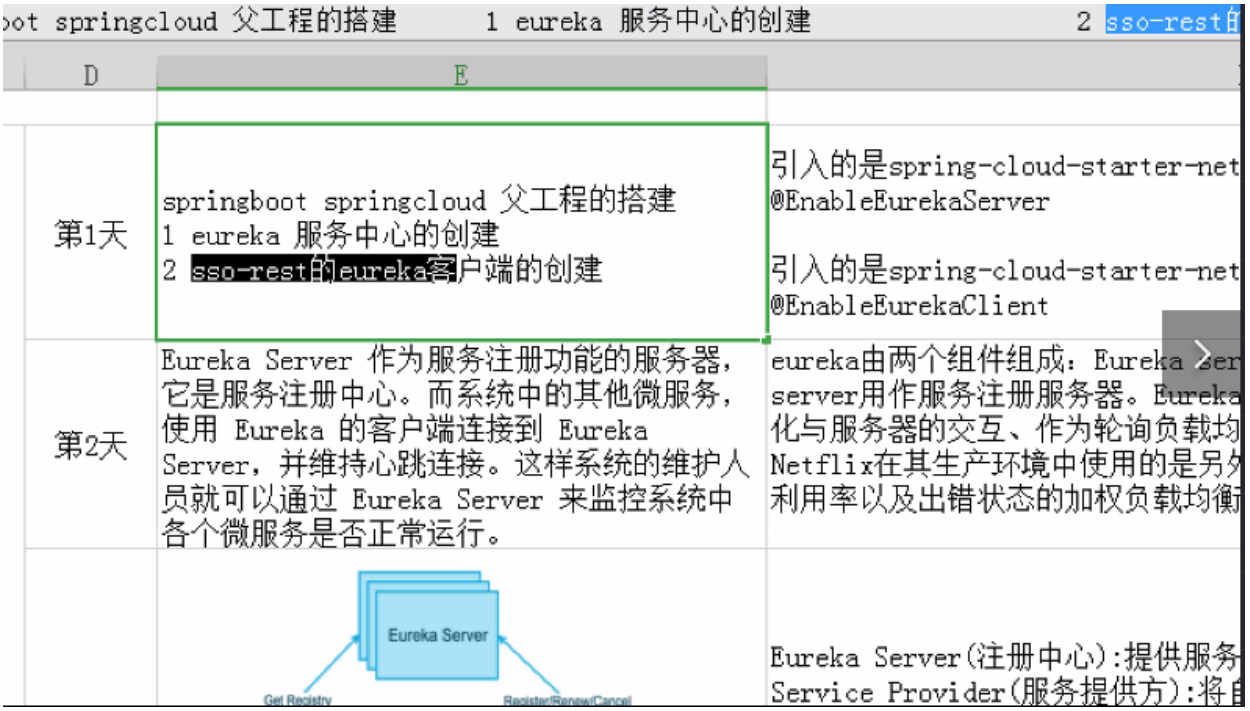
一.springclound学习

Netflix公司的



解决的问题:服务比较多时,我们可以在注册中心通过服务名调用





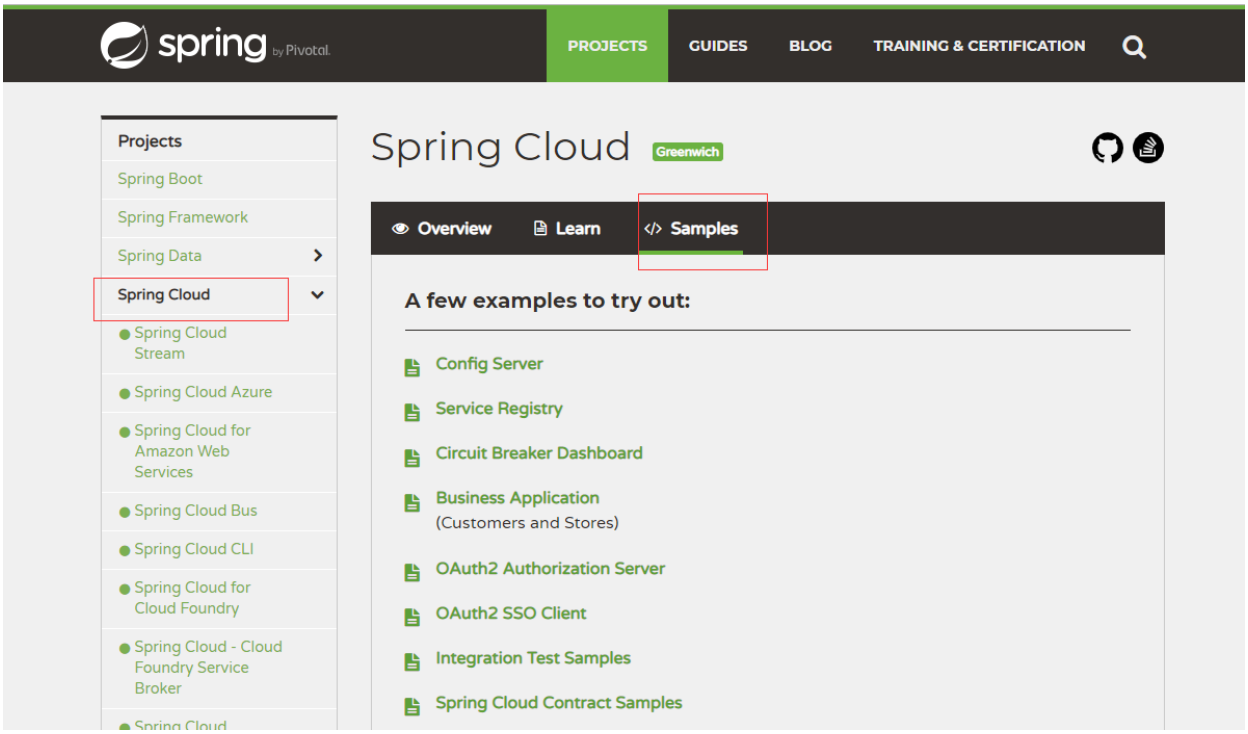
二.项目的使用:

1.创建maven项目,父工程(springcloud-parent),pom文件,只要架包

```
<modelVersion>4.0.0</modelVersion>
 <groupId>com.lanou</groupId>
 <artifactId>springcloud-parent</artifactId>
 <version>0.0.1-SNAPSHOT</version>
 <packaging>pom</packaging>

 <properties>
 <springboot.version>2.1.3.RELEASE</springboot.version>
 <springcloud.verison>Greenwich.RELEASE</springcloud.verison>
  </properties>

  <dependencyManagement>
  <!-- springboot -->
  <dependencies>
  <dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-dependencies</artifactId>
  <version>${springboot.version}</version>
  <type>pom</type>
  <scope>import</scope>
  </dependency>
  <dependency>
```

```
23  <groupId>org.springframework.cloud</groupId>
24  <artifactId>spring-cloud-dependencies</artifactId>
25  <version>${springcloud.verison}</version>
26  <type>pom</type>
27  <scope>import</scope>
28  </dependency>
29  </dependencies>
30  <!-- springcloud -->
31  </dependencyManagement>
32 </project>
```

注意:springcloud和springboot保持一致版本号.



Boot compatibility

Release Train	Boot Version
Greenwich	2.1.x
Finchley	2.0.x
Edgware	1.5.x
Dalston	1.5.x

Table 2. Release train contents

Component	Edgware.SR5	Finchley.SR2	Finchley.BUILD-SNAPSHOT
spring-cloud-aws	1.2.3.RELEASE	2.0.1.RELEASE	2.0.1.BUILD-SNAPSHOT
spring-cloud-bus	1.3.3.RELEASE	2.0.0.RELEASE	2.0.1.BUILD-SNAPSHOT
spring-cloud-cli	1.4.1.RELEASE	2.0.0.RELEASE	2.0.1.BUILD-SNAPSHOT
spring-cloud-commons	1.3.5.RELEASE	2.0.2.RELEASE	2.0.2.BUILD-SNAPSHOT
spring-cloud-contract	1.2.6.RELEASE	2.0.2.RELEASE	2.0.2.BUILD-SNAPSHOT
spring-cloud-config	1.4.5.RELEASE	2.0.2.RELEASE	2.0.2.BUILD-SNAPSHOT
spring-cloud-netflix	1.4.6.RELEASE	2.0.2.RELEASE	2.0.2.BUILD-SNAPSHOT
spring-cloud-security	1.2.3.RELEASE	2.0.1.RELEASE	2.0.1.BUILD-SNAPSHOT
spring-cloud-cloudfoundry	1.1.2.RELEASE	2.0.1.RELEASE	2.0.1.BUILD-SNAPSHOT
spring-cloud-consul	1.3.5.RELEASE	2.0.1.RELEASE	2.0.2.BUILD-SNAPSHOT

2.新建maven项目,jar形式,需要手动导入springboot,继承于父工程

```
<modelVersion>4.0.0</modelVersion>
 <!-- 继承于父工程 -->
 <parent>
 <groupId>com.lanou</groupId>
 <artifactId>springcloud-parent</artifactId>
 <version>0.0.1-SNAPSHOT</version>
 </parent>
 <groupId>com.lanou</groupId>
 <artifactId>eureka-server</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <dependencies>
  <!-- sprig-boot -->
  <dependency>
```

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

<!-- springcloud -->
<!-- 只要注册中心才用到该依赖 -->
<dependency>
<groupId>org.springframework.cloud</groupId>
<artifactId>spring-cloud-starter-netflix-eureka-server</artifactId>
</dependency>
<!-- 为eureka添加安全机制 -->
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-security</artifactId>
</dependency>
</dependencies>

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

</build>
```

```
</project>
```

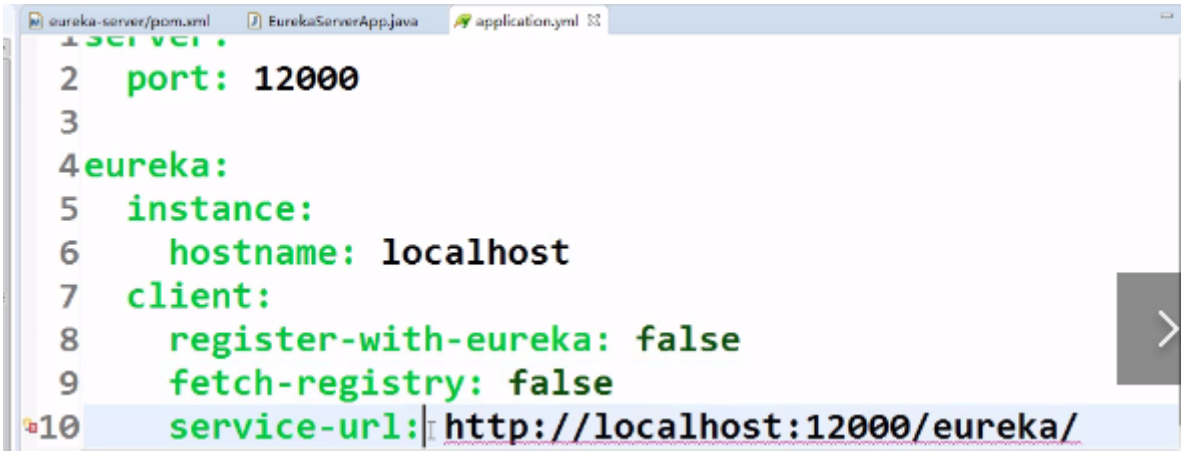
3.需要写启动类,和yml语言,yml如下:

```yaml
server:
 port: 12000

spring:
 security:
 user:
 name: admin
 password: admin



eureka:
 instance:
 hostname: localhost
 client:
 register-with-eureka: false
 fetch-registry: false
 service-url:
 defalutZone: http://admin:admin@${eureka.instance.hostname}:${server.port}/eureka/
```

4.安全问题:可设置springcloud账号,密码.

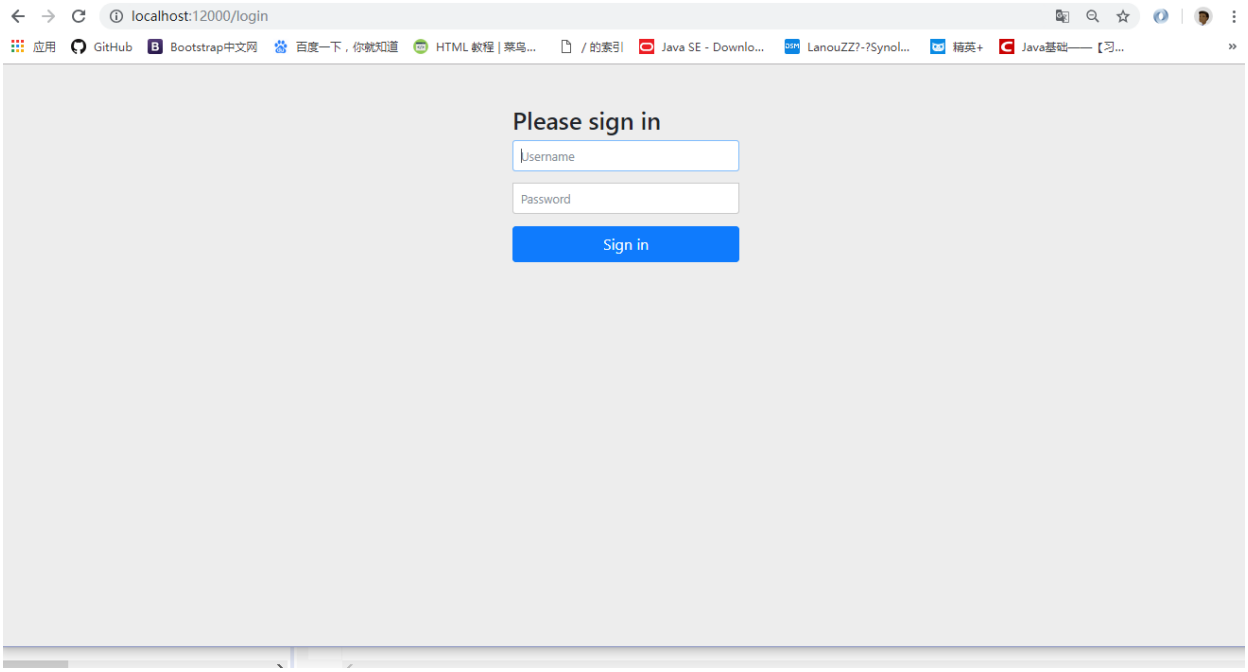
```
<!-- 为eureka添加安全机制 -->
 <dependency>
 <groupId>org.springframework.boot</groupId>
 <artifactId>spring-boot-starter-security</artifactId>
 </dependency>
```

同样在yml语言中,改成以上的形式.注:yml语言中的引用可以用@${eureka.instance.hostname}引用.

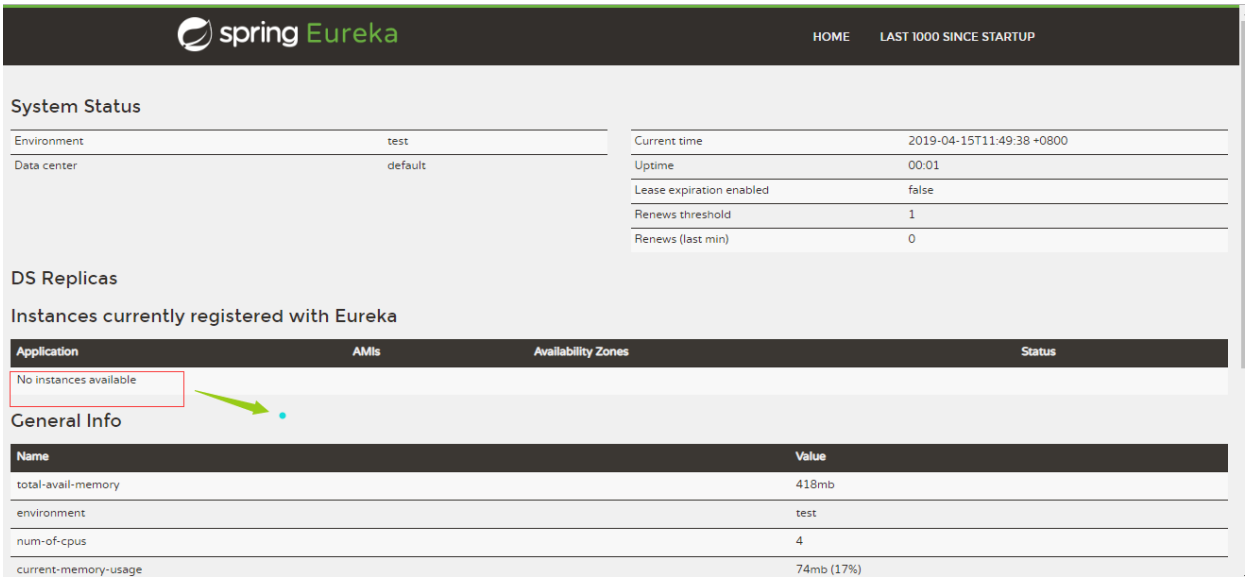


5.页面如下:

(安全性)



(进入页面)



管理的端口号.