# 微服务入门

搭建eureka过程：

创建一个maven父项目，pom内容如下

<?xml version="1.0" encoding="UTF-8"?>  
<project xmlns="http://maven.apache.org/POM/4.0.0"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-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>  
 <groupId>org.example</groupId>  
 <artifactId>eureka-demo</artifactId>  
 <packaging>pom</packaging>  
 <version>1.0-SNAPSHOT</version>  
 <modules>  
 <module>eureka-server</module>  
 </modules>  
 <parent>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-starter-parent</artifactId>  
 <version>2.2.4.RELEASE</version>  
 </parent>  
  
 <properties>  
 <spring.cloud.version>Hoxton.SR1</spring.cloud.version>  
 </properties>  
<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>  
</project>

创建一个子项目，pom内容如下：

<?xml version="1.0" encoding="UTF-8"?>  
<project xmlns="http://maven.apache.org/POM/4.0.0"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">  
 <parent>  
 <artifactId>eureka-demo</artifactId>  
 <groupId>org.example</groupId>  
 <version>1.0-SNAPSHOT</version>  
 </parent>  
 <modelVersion>4.0.0</modelVersion>  
 <artifactId>eureka-server</artifactId>  
 <properties>  
 </properties>  
 <dependencies>  
 <dependency>  
 <groupId>org.springframework.cloud</groupId>  
 <artifactId>spring-cloud-starter-netflix-eureka-server</artifactId>  
 </dependency>  
 <dependency>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-starter-web</artifactId>  
 </dependency>  
 </dependencies>  
</project>

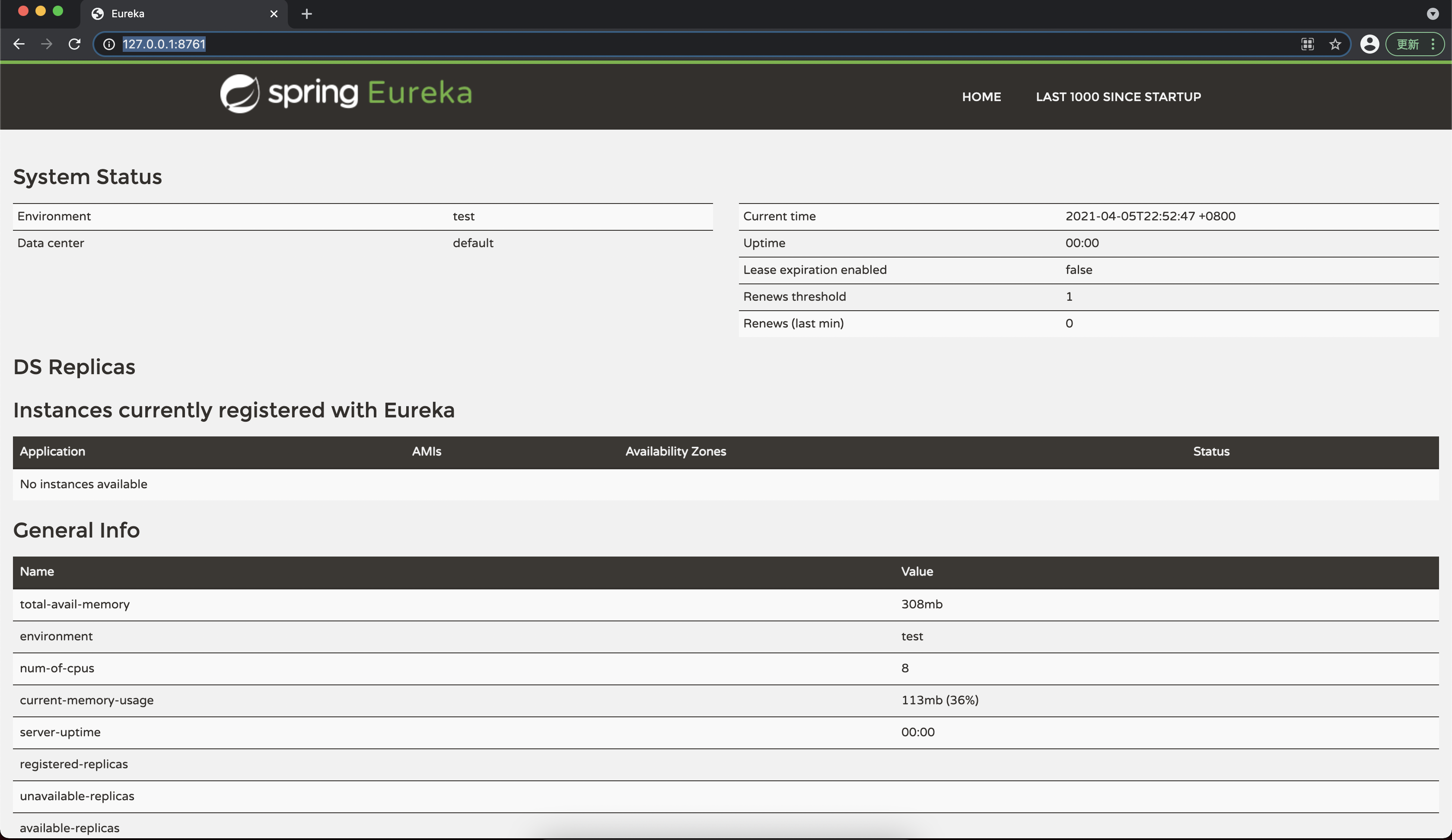
子项目配置文件application.yml内容如下：

server:  
 port: 8761  
spring:  
 application:  
 name: eureka-server  
eureka:  
 instance:  
 hostname: localhost *#主机名* client:  
 register-with-eureka: false *#是否将自己注册到注册中心* fetch-registry: false *#是否在注册中心获取服务信息* service-url: *#注册中心对外暴露的服务地址* defaultZone: http://${eureka.instance.hostname}:${server.port}/eureka/

springboot启动类文件如下：

package com;  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.cloud.netflix.eureka.server.EnableEurekaServer;  
@EnableEurekaServer  
@SpringBootApplication  
public class EurekaServerApplication {  
 public static void main(String[] args) {  
 SpringApplication.*run*(EurekaServerApplication.class);  
 }  
}

启动后访问 <http://127.0.0.1:8761/> 内容如下：



搭建eureka集群过程：

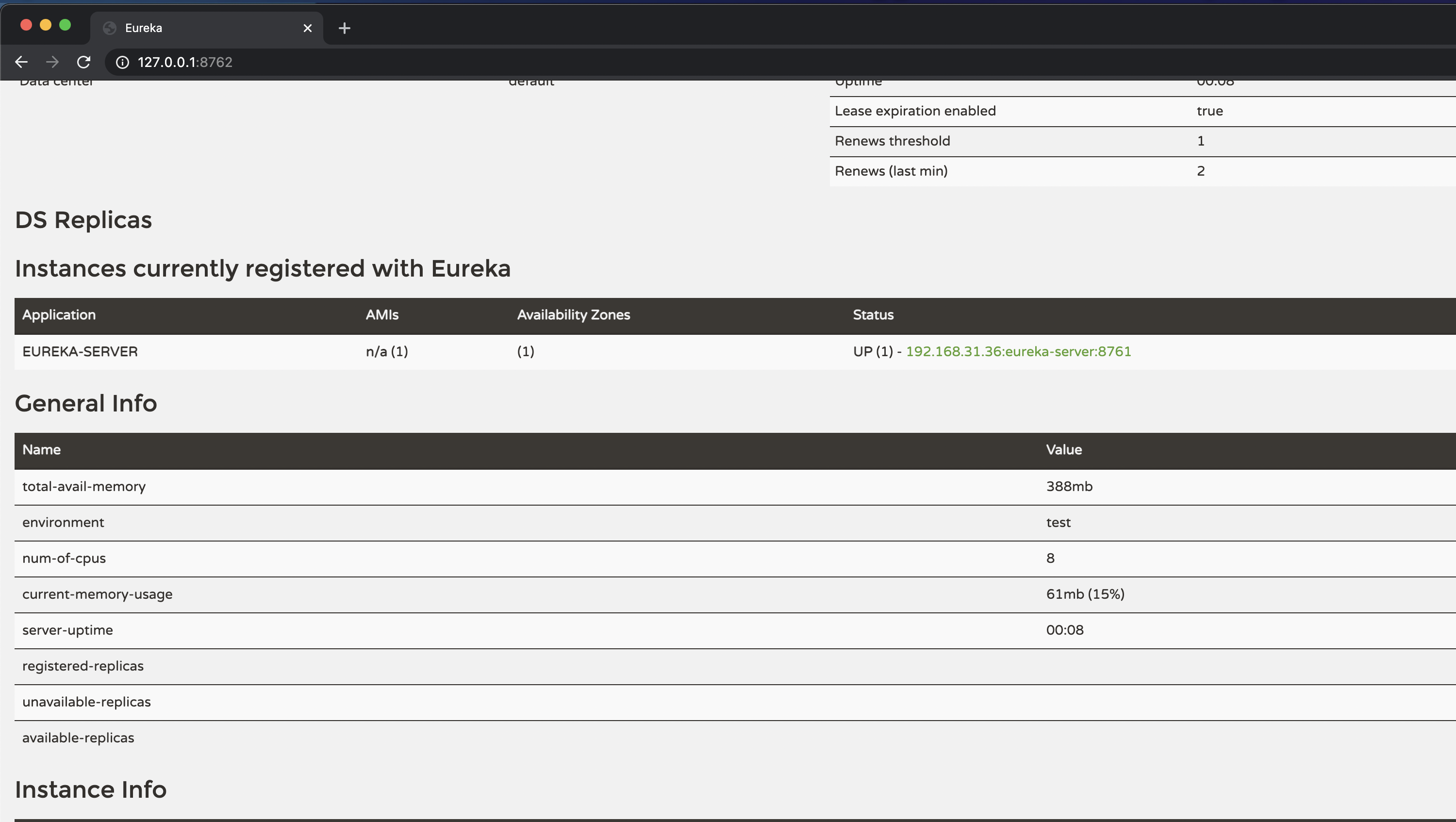
过程同单机搭建过程，修改application.yml配置文件

两个服务的内容如下：去掉了对自身注册的配置，服务地址改为另个一服务的ip+port

server:  
 port: 8762  
spring:  
 application:  
 name: eureka-server  
eureka:  
 instance:  
 hostname: localhost *#主机名* client:  
 service-url: *#注册中心对外暴露的服务地址* defaultZone: http://${eureka.instance.hostname}:8761/eureka/

server:  
 port: 8761  
spring:  
 application:  
 name: eureka-server  
eureka:  
 instance:  
 hostname: localhost *#主机名* client:  
 service-url: *#注册中心对外暴露的服务地址* defaultZone: http://${eureka.instance.hostname}:8762/eureka/

两个服务启动完成后，8761和8762端口都可以访问



管理页中，服务名可以通过服务启动配置文件的配置设置：

eureka:

instance:

hostname: localhost #主机名

prefer-ip-address: true

instance-id: ${spring.cloud.client.ip-address}:${server.port}