创建多模块项目具体操作如下

[maven多模块项目的构建](onenote:#maven多模块项目的构建&section-id={CCA920AB-54B8-4AB6-913E-AA4082F29942}&page-id={E7459E3E-AF50-44D3-BE8D-419FFF6BC40D}&end&base-path=https://d.docs.live.net/6599c42f24631913/文档/总结/搭建.one)

**1.创建服务注册中心**

New Module 
Dependencies 
Core 
Web 
Template Engines 
SQL 
NoSQL 
Integration 
Cloud Core 
Cloud Config 
ll@loud Discovery 
Cloud Routing 
Cloud Circuit Breaker 
Cloud Tracing 
Cloud Messaging 
Cloud AWS 
Cloud Contract 
Pivotal Cloud Foundry 
Azure 
Spring Cloud GCP 
I/O 
Ops 
Spring Boot 2.0.1 
Eureka Discovery 
Eureka Server 
[ Zookeeper Discovery 
CA Cloud Foundry Discovery 
Consul Discovery 
Eureka Server 
spring-cloud-netflix Eureka Server 
A Service Registration and Discovery 
Previous 
Selected Dependencies 
Cloud Discovery 
Eureka Server 
Cancel 
Help 

启动项Application中添加注解

@EnableEurekaServer

eureka是一个高可用的组件，它没有后端缓存，每一个实例注册之后需要向注册中心发送心跳（因此可以在内存中完成），在默认情况下erureka server也是一个eureka client ,必须要指定一个 server。eureka server的配置文件appication.yml：

**server:**

**port:**8761

**eureka:**

**instance:**

**hostname:**localhost

**client:**

**registerWithEureka:false**

**fetch-registry:false**

**serviceUrl:**

**defaultZone:**http://${**eureka.instance.hostname**}:${**server.port**}/eureka/

通过eureka.client.registerWithEureka：false和fetchRegistry：false来表明是一个eureka server.

启动服务注册中心后。

eureka server 是有界面的，启动工程,打开浏览器访问：

[http://localhost:8761](http://localhost:8761/) ,界面如下：

C O localhost 
:8761 
spring 
Eureka 
System Status 
Environment 
Data center 
DS Replicas 
HOME 
LAST 1000 SINCE STARTUP 
default 
Current time 
Uptime 
Lease expiration enabled 
Renews threshold 
Renews (last min) 
Availability Zones 
Value 
sgmb 
test 
4 
43mb (72%) 
0001 
+0800 
00:01 
false 
1 
Instances currently registered with Eureka 
Application 
No instances available 
General Info 
Name 
total-avail-memory 
environment 
num-of-cpus 
current-memory-usage 
server-uptime 
AMIS 

因为没有注册服务，所以此时没有服务被发现。

**2.创建一个服务提供者**

当client向server注册时，它会提供一些元数据，例如主机和端口，URL，主页等。Eureka server 从每个client实例接收心跳消息。 如果心跳超时，则通常将该实例从注册server中删除。

创建如下module：

New Module 
Dependencies 
Core 
web 
Template Engines 
SQL 
NOSQL 
Integration 
Cloud Core 
Cloud Config 
spring Boot 
Selected Dependencies 
Cloud Discovery 
Eureka Discovery X 
_ Eureka Server 
(Z Zookeeper Discovery 
(C Cloud Foundry Discovery 
(C Consul Discovery 
'Cloud 
Cloud Routing 
Cloud Circuit Breaker 
Cloud Tracing 
Cloud Messaging 
Cloud AWS 
Cloud Contract 
Pivotal Cloud Foundry 
Azure 
spring Cloud GCP 
ops 
Eureka Discovery 
Service discovery using spring-cloud-netflix and 
Eureka 
Previous 
Next 
Cancel 
Help 

启动项Application中添加注解，

通过注解@EnableEurekaClient 表明自己是一个eurekaclient.

配置文件信息：

**eureka:**

**client:**

**serviceUrl:**

**defaultZone:**http://localhost:8761/eureka/

**server:**

**port:**8762

**spring:**

**application:**

**name:**service\_demo

需要指明spring.application.name,这个很重要，这在以后的服务与服务之间相互调用一般都是根据这个name 。

你会发现一个服务已经注册在服务中了，服务名为SERVICE-DEMO ,端口为8762

C O localhost 
8761 
spring 
Eureka 
System Status 
Environment 
Data center 
DS Replicas 
HOME 
LAST 1000 SINCE STARTUP 
test 
default 
Current time 
Uptime 
Lease expiration enabled 
Renews threshold 
Renews (last min) 
2018.OS.02T15S713 +0800 
0001 
false 
3 
O 
Instances currently registered with Eureka 
Application 
SERVICE_DEMO 
General Info 
Name 
total •avail • memory 
environment 
num•of•cpus 
current-memory-usage 
server-uptime 
AMIS 
n/a (1) 
Availability Zones 
up DESKTOP.DU2BK7N.mShorne.necserv,ce demo:8762 
Value 
61m b 
test 
4 
42rnb (68%) 
0001 