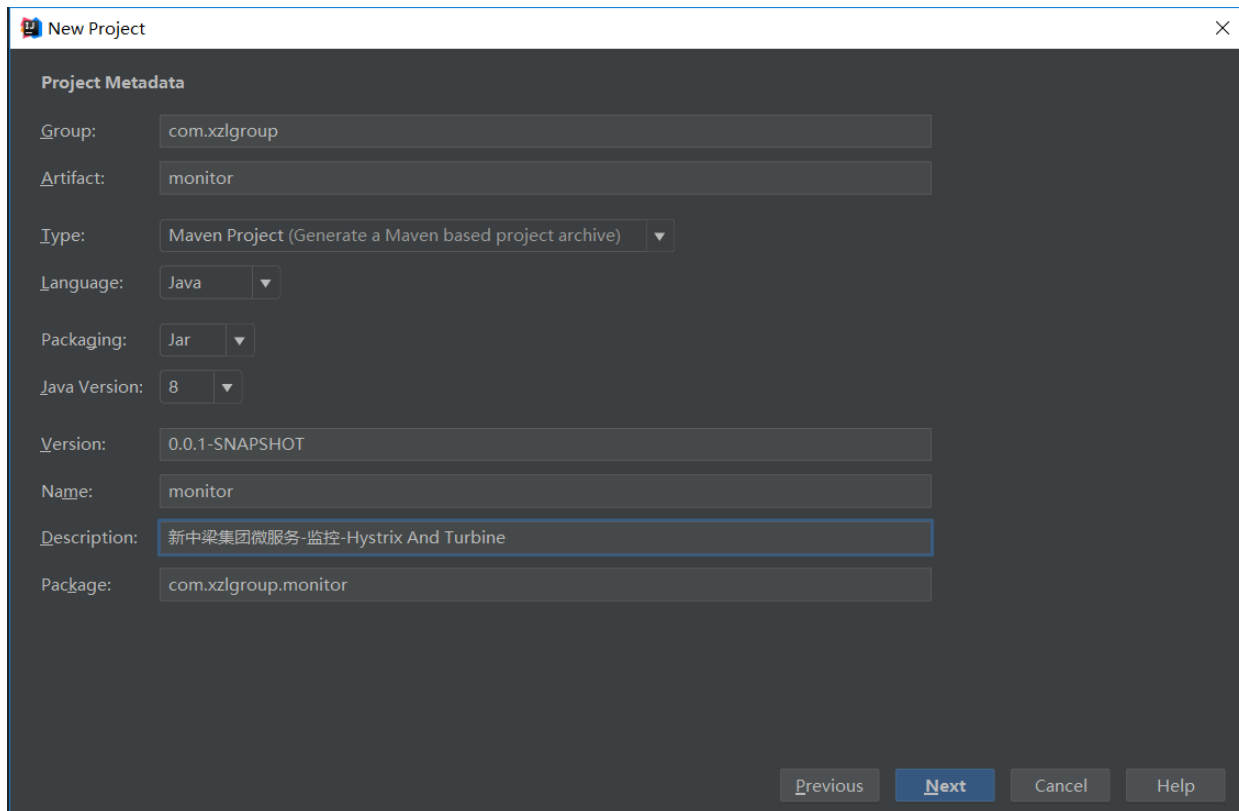
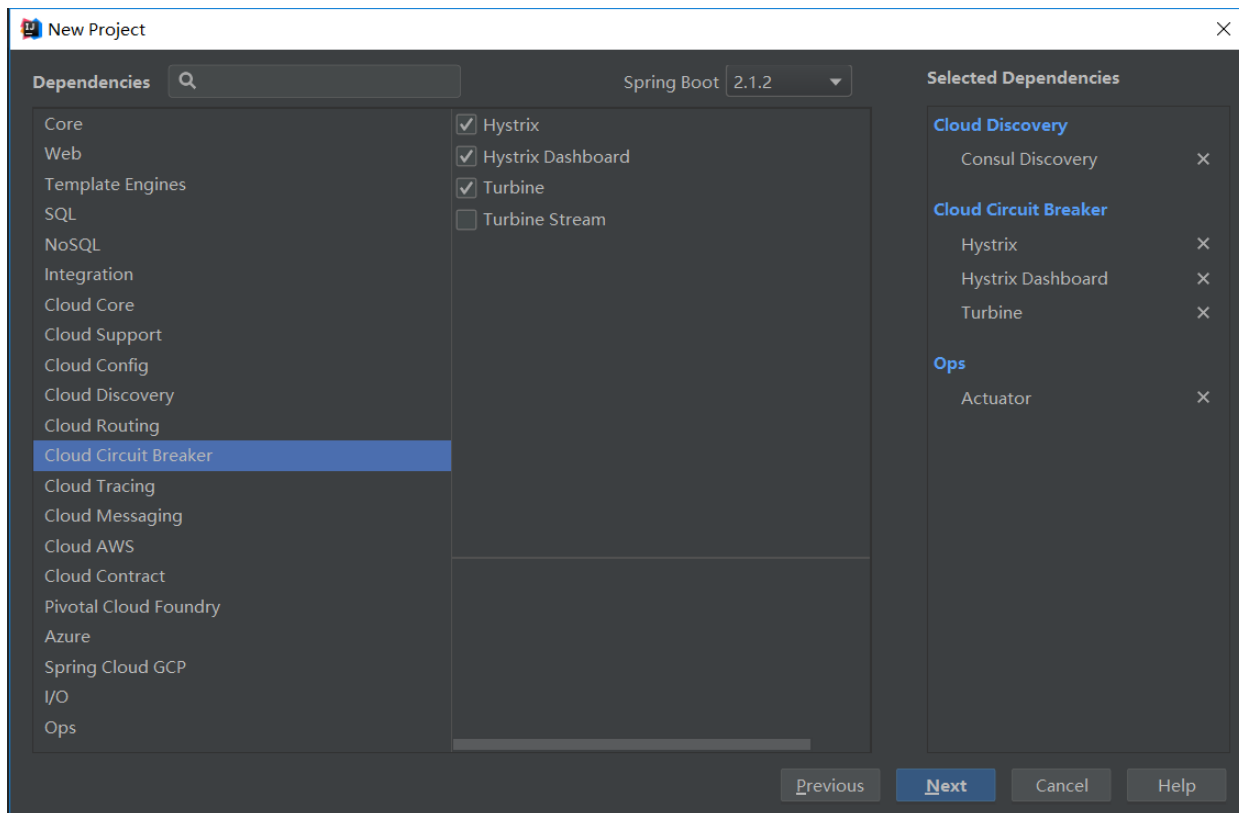


通过Spring Initializr创建项目



The 'New Project' dialog in Spring Initializr. It contains fields for Project Metadata: Group (com.xzlgrou), Artifact (monitor), Type (Maven Project), Language (Java), Packaging (Jar), Java Version (8), Version (0.0.1-SNAPSHOT), Name (monitor), Description (新中梁集团微服务-监控-Hystrix And Turbine), and Package (com.xzlgrou.monitor). Navigation buttons at the bottom are Previous, Next, Cancel, and Help.

Field	Value
Group:	com.xzlgrou
Artifact:	monitor
Type:	Maven Project (Generate a Maven based project archive)
Language:	Java
Packaging:	Jar
Java Version:	8
Version:	0.0.1-SNAPSHOT
Name:	monitor
Description:	新中梁集团微服务-监控-Hystrix And Turbine
Package:	com.xzlgrou.monitor



The 'New Project' dialog showing the 'Dependencies' section. The 'Spring Boot' version is 2.1.2. The 'Cloud Circuit Breaker' category is selected. The 'Selected Dependencies' list includes Consul Discovery, Hystrix, Hystrix Dashboard, Turbine, and Actuator.

Dependencies	Selected Dependencies
Core	Cloud Discovery
Web	Consul Discovery
Template Engines	
SQL	
NoSQL	
Integration	Cloud Circuit Breaker
Cloud Core	Hystrix
Cloud Support	Hystrix Dashboard
Cloud Config	Turbine
Cloud Discovery	
Cloud Routing	
Cloud Circuit Breaker	Ops
Cloud Tracing	Actuator
Cloud Messaging	
Cloud AWS	
Cloud Contract	
Pivotal Cloud Foundry	
Azure	
Spring Cloud GCP	
I/O	
Ops	

maven依赖

```
1 <dependency>
2 <groupId>org.springframework.boot</groupId>
```

```

3  <artifactId>spring-boot-starter-actuator</artifactId>
4  </dependency>
5  <dependency>
6  <groupId>org.springframework.cloud</groupId>
7  <artifactId>spring-cloud-starter-consul-discovery</artifactId>
8  </dependency>
9  <dependency>
10 <groupId>org.springframework.cloud</groupId>
11 <artifactId>spring-cloud-starter-netflix-hystrix</artifactId>
12 </dependency>
13 <dependency>
14 <groupId>org.springframework.cloud</groupId>
15 <artifactId>spring-cloud-starter-netflix-hystrix-dashboard</artifactId>
16 </dependency>
17 <dependency>
18 <groupId>org.springframework.cloud</groupId>
19 <artifactId>spring-cloud-starter-netflix-turbine</artifactId>
20 </dependency>

```

启动服务

报错

```

1  2019-01-18 14:44:19.001 ERROR 97032 --- [ main]
o.s.b.web.embedded.tomcat.TomcatStarter : Error starting Tomcat context. Ex
ception: org.springframework.beans.factory.BeanCreationException. Message:
Error creating bean with name 'servletEndpointRegistrar' defined in class p
ath resource [org/springframework/boot/actuate/autoconfigure/endpoint/web/S
ervletEndpointManagementContextConfiguration$WebMvcServletEndpointManagemen
tContextConfiguration.class]: Bean instantiation via factory method failed;
nested exception is org.springframework.beans.BeanInstantiationException: F
ailed to instantiate [org.springframework.boot.actuate.endpoint.web.Servlet
EndpointRegistrar]: Factory method 'servletEndpointRegistrar' threw excepti
on; nested exception is org.springframework.beans.factory.UnsatisfiedDepend
encyException: Error creating bean with name 'org.springframework.cloud.clie
nt.serviceregistry.ServiceRegistryAutoConfiguration$ServiceRegistryEndpoin
tConfiguration': Unsatisfied dependency expressed through field 'registrati
on'; nested exception is org.springframework.beans.factory.NoUniqueBeanDefi
nitionException: No qualifying bean of type 'org.springframework.cloud.clie
nt.serviceregistry.Registration' available: expected single matching bean b
ut found 2: eurekaRegistration,consulRegistration

2  2019-01-18 14:44:19.014 INFO 97032 --- [ main] o.apache.catalina.core.Sta
ndardService : Stopping service [Tomcat]

3  2019-01-18 14:44:19.016 WARN 97032 --- [ main] o.a.c.loader.WebappClassLo
aderBase : The web application [ROOT] appears to have started a thread name
d [spring.cloud.inetutils] but has failed to stop it. This is very likely t
o create a memory leak. Stack trace of thread:

4  java.net.Inet6AddressImpl.getHostByAddr(Native Method)

```

```
5  java.net.InetAddress$2.getHostByAddr(InetAddress.java:932)
6  java.net.InetAddress.getHostFromNameService(InetAddress.java:617)
7  java.net.InetAddress.getHostByName(InetAddress.java:559)
8  java.net.InetAddress.getHostByName(InetAddress.java:531)
9  org.springframework.cloud.commons.util.InetUtils$$Lambda$95/107456312.ca
11 (Unknown Source)
10  java.util.concurrent.FutureTask.run(FutureTask.java:266)
11  java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.ja
va:1149)
12  java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.j
ava:624)
13  java.lang.Thread.run(Thread.java:748)
14  2019-01-18 14:44:19.018 WARN 97032 --- [ main] ConfigServletWebServerApp
licationContext : Exception encountered during context initialization - can
celling refresh attempt: org.springframework.context.ApplicationContextExce
ption: Unable to start web server; nested exception is
org.springframework.boot.web.server.WebServerException: Unable to start emb
edded Tomcat
15  2019-01-18 14:44:19.026 INFO 97032 --- [ main] ConditionEvaluationReport
LoggingListener :
16
17  Error starting ApplicationContext. To display the conditions report re-r
un your application with 'debug' enabled.
18  2019-01-18 14:44:19.029 ERROR 97032 --- [ main] o.s.b.d.LoggingFailureAn
alysisReporter :
19
20  *****
21  APPLICATION FAILED TO START
22  *****
23
24  Description:
25
26  Field registration in org.springframework.cloud.client.serviceregistry.S
erviceRegistryAutoConfiguration$ServiceRegistryEndpointConfiguration requir
ed a single bean, but 2 were found:
27  - eurekaRegistration: defined in BeanDefinition defined in class path r
esource [org/springframework/cloud/netflix/eureka/EurekaClientAutoConfigura
tion$RefreshableEurekaClientConfiguration.class]
28  - consulRegistration: defined by method 'consulRegistration' in class p
ath resource [org/springframework/cloud/consul/serviceregistry/ConsulAutoSe
rviceRegistrationAutoConfiguration.class]
29
30
31  Action:
32
```

```
33 Consider marking one of the beans as @Primary, updating the consumer to
accept multiple beans, or using @Qualifier to identify the bean that should
be consumed
```

重点:

```
1 expected single matching bean but found 2: eurekaRegistration,consulRegis
tration
```

因为这种maven配置会引入eureka

eureka和consul冲突了

要排除eureka

在turbine中添加排除, 因为是在turbine中引入的eureka

```
1 <dependency>
2 <groupId>org.springframework.cloud</groupId>
3 <artifactId>spring-cloud-starter-netflix-turbine</artifactId>
4 <exclusions>
5 <exclusion>
6 <groupId>com.netflix.eureka</groupId>
7 <artifactId>eureka-core</artifactId>
8 </exclusion>
9 <exclusion>
10 <groupId>com.netflix.eureka</groupId>
11 <artifactId>eureka-client</artifactId>
12 </exclusion>
13 </exclusions>
14 </dependency>
```

解决了上个问题, 还有报错

```
1 2019-01-18 14:58:01.586 ERROR 83380 --- [InstanceMonitor] c.n.t.monitor.i
nstance.InstanceMonitor : Could not initiate connection to host, giving up:
[{"timestamp":"2019-01-18T06:58:01.542+0000","status":401,"error":"Unauthor
ized","message":"Unauthorized","path":"/actuator/hystrix.stream"}]
2 2019-01-18 14:58:01.589 WARN 83380 --- [InstanceMonitor] c.n.t.monitor.in
stance.InstanceMonitor : Stopping InstanceMonitor for: localhost:8600 defau
lt
3
4 com.netflix.turbine.monitor.instance.InstanceMonitor$MisconfiguredHostExc
eption: [{"timestamp":"2019-01-
18T06:58:01.542+0000","status":401,"error":"Unauthorized","message":"Unauth
orized","path":"/actuator/hystrix.stream"}]
5 at com.netflix.turbine.monitor.instance.InstanceMonitor.init(InstanceMon
itor.java:318) ~[turbine-core-1.0.0.jar:na]
```

```
6  at com.netflix.turbine.monitor.instance.InstanceMonitor.access$100(InstanceMonitor.java:103) ~[turbine-core-1.0.0.jar:na]
7  at com.netflix.turbine.monitor.instance.InstanceMonitor$2.call(InstanceMonitor.java:235) [turbine-core-1.0.0.jar:na]
8  at com.netflix.turbine.monitor.instance.InstanceMonitor$2.call(InstanceMonitor.java:229) [turbine-core-1.0.0.jar:na]
9  at java.util.concurrent.FutureTask.run(FutureTask.java:266) [na:1.8.0_162]
10 at
   java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [na:1.8.0_162]
11 at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [na:1.8.0_162]
12 at java.lang.Thread.run(Thread.java:748) [na:1.8.0_162]
```

如果启动报错，找不到hystrix.stream，在你要监控的微服务加入如下配置。

```
1 management:
2   endpoints:
3     web:
4     exposure:
5     include: '*'
```

