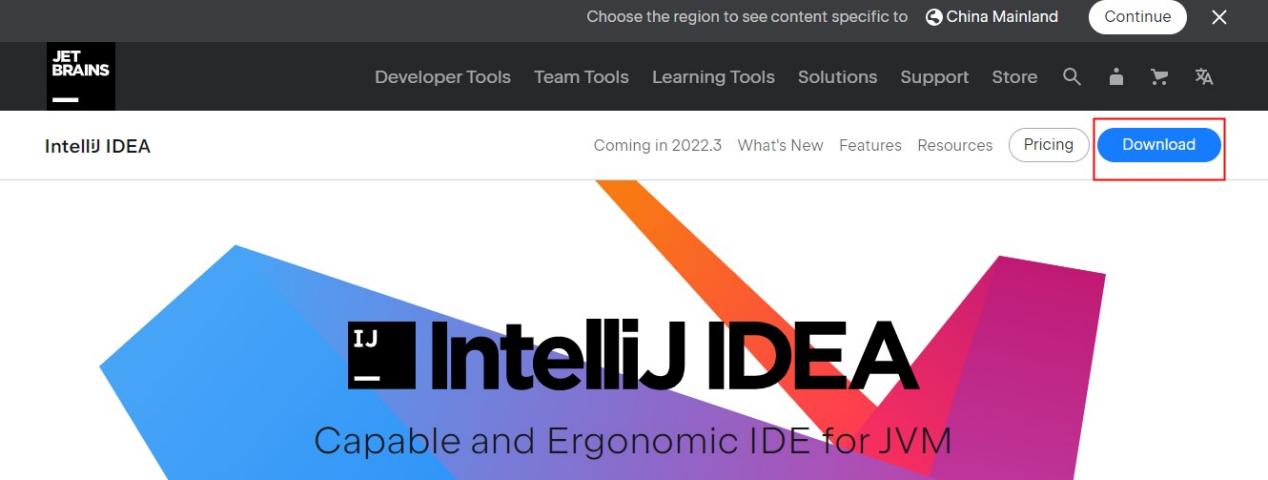
# IntelliJ IDEA安装与激活

## 1.1、下载IntelliJ IDEA

进入：<https://www.jetbrains.com/idea/> 官网

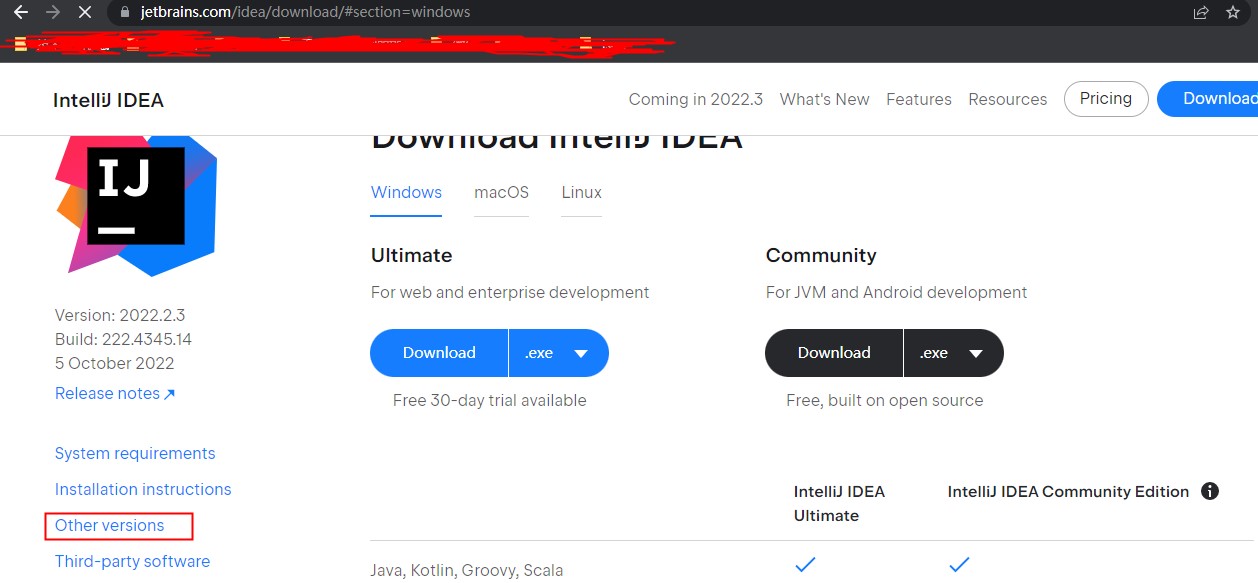
图1-1-1



点击Download进入图1-1-2，如果选择当前版本直接选择Download，选择其它版本点击

Other versions

图1-1-2所示



可以选择exe或压缩包，后面以压缩包进行讲解

## 1.2、IntelliJ IDEA激活

1）、直接在D盘，解压ideaIU-2022.2.3.win.zip

2）、把ja-netfilter-all.rar放到ideaIU-2022.2.3.win/bin目录中直接解压



执行D:\ideaIU-2022.2.3.win\bin\ja-netfilter-all\scripts\install-current-user.vbs 脚本

好像步骤2没有什么用。

1. 、

2018.2~2022版本用下面的：

F5TRIB85C7--EOufLPiykodPlQXl6v9pAd7geesvSLDca88HhDihCP5LSabX33BwTVfkSQaLUah0qyH84Shzp2NZv+LZK2dTXwwF1XCYq/9Lmt3iwlFovsrifhrfTGQCEXrlyzigZdwl+cpKysVKS9DdVKQIl64L0xQkX1ZrjOhofWUMFrgNwqie1xNn9iSSnbh/NiZ0/b7kdfMukFX995RFNkPMCvqwrGpNLFHnPoiEGqIKCh+2o8YQaO7AxPHckOLZLAF+l5dIkiM7tFdICOBT/GCEEPXG2CsVoufNvGmkdSUPr6j6+EuMAv+0iBscxQrkjfqH3wED6jXR9Pjl/+6OGaT6T4YhJg==-

成功激活

# gradle安装 比较简单

## 2.1、安装与配置

## 2.2、Gradle配置

进入gradle安装目录，进入init.d文件夹，新建init.gradle文件。参考init.gradle

allprojects {

repositories {

maven { url 'file:///D:/my-tools/gradle\_repository/repository\_7.4.2'}

mavenLocal()

maven { name "Alibaba" ; url "https://maven.aliyun.com/repository/public" }

maven { name "Bstek" ; url "https://nexus.bsdn.org/content/groups/public/" }

mavenCentral()

}

buildscript {

repositories {

maven { name "Alibaba" ; url 'https://maven.aliyun.com/repository/public' }

maven { name "Bstek" ; url "https://nexus.bsdn.org/content/groups/public/" }

maven { name "M2" ; url 'https://plugins.gradle.org/m2/' }

}

}

}

## 2.3、maven配置

如果有安装maven并且本地仓库位置不默认的安装位置(USER\_HOME/.m2位置

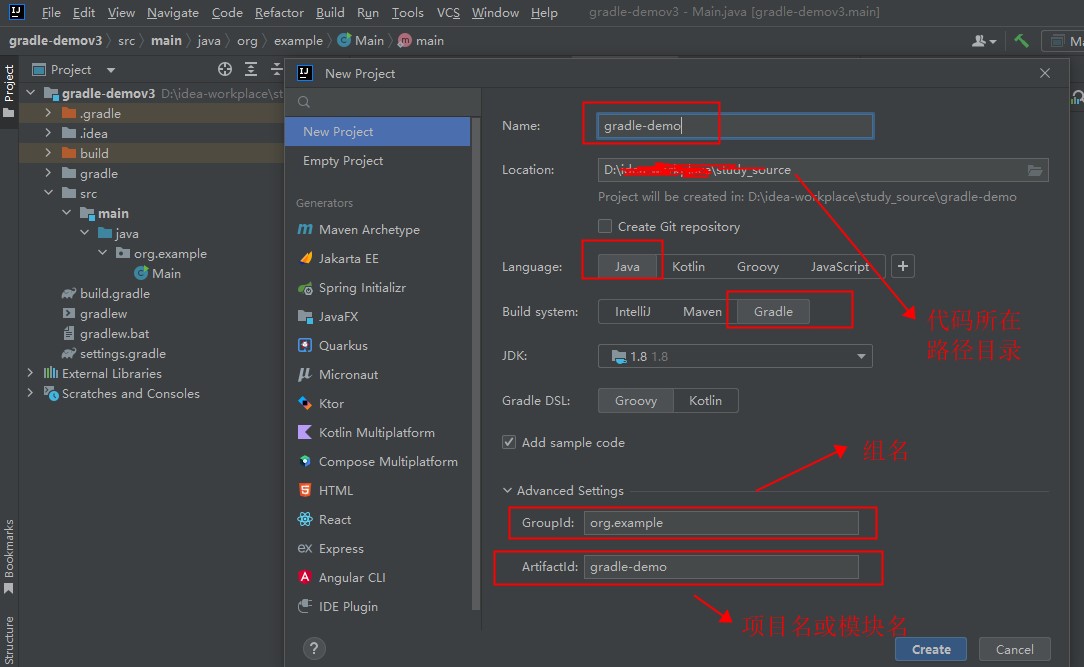
把maven中件间的工具的解压目录/conf/settings.xml文件放到USER\_HOME/.m2目录位置

这样就不会再重新下载一些本地已经存在的jar包了

# Intelli ideaj+gradle 创建项目

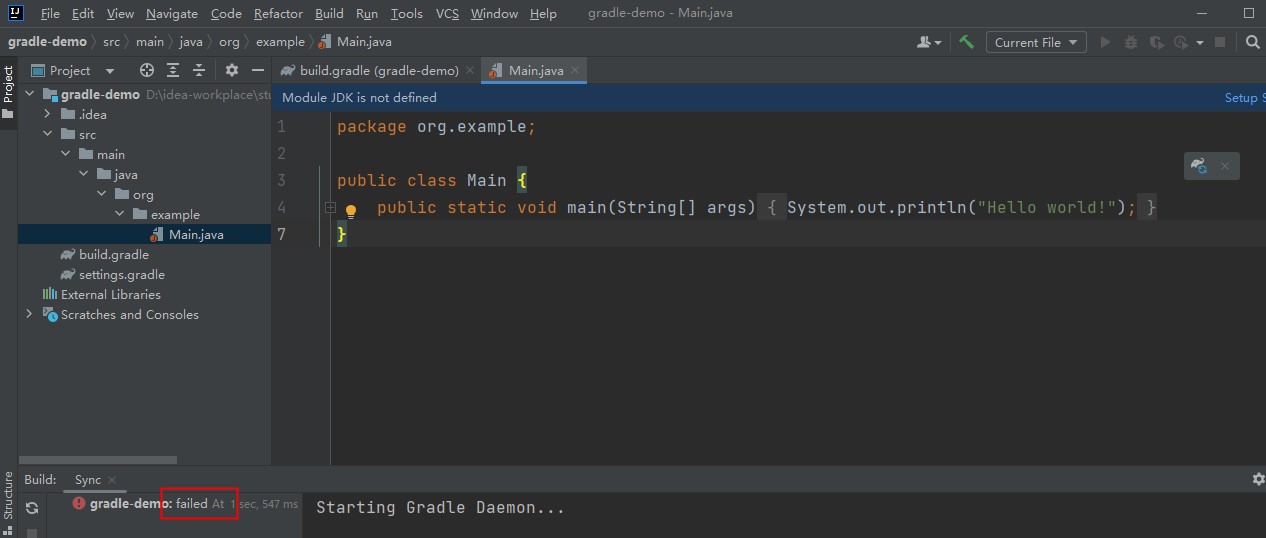
点击File--->New Project 如图3-1-1所示

图3-1-1



创建的gradle-demo项目如图3-1-2所示，生成了src目录，生成了build.gradle文件，生成了settles.gradle文件，但是没有生成gradle目录，使用Intelli ideaj2018.03版本时src文件夹也没有自动生成，提供编译失败。

图3-1-2



按图3-1-3所示，进入图3-1-4所示

图3-1-3

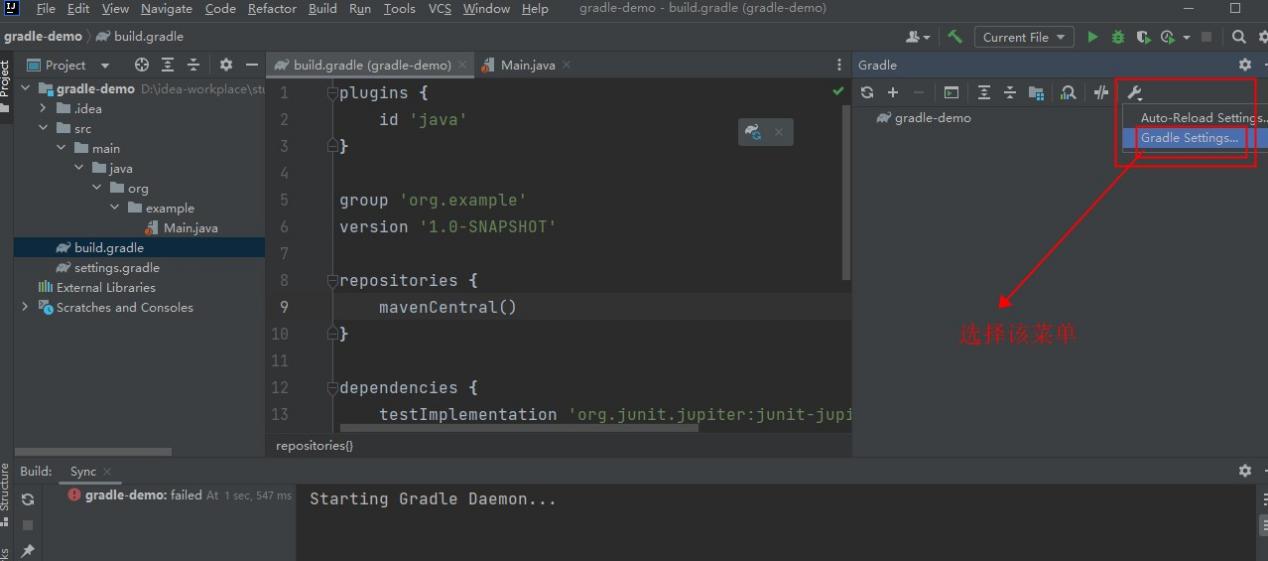


图3-1-4

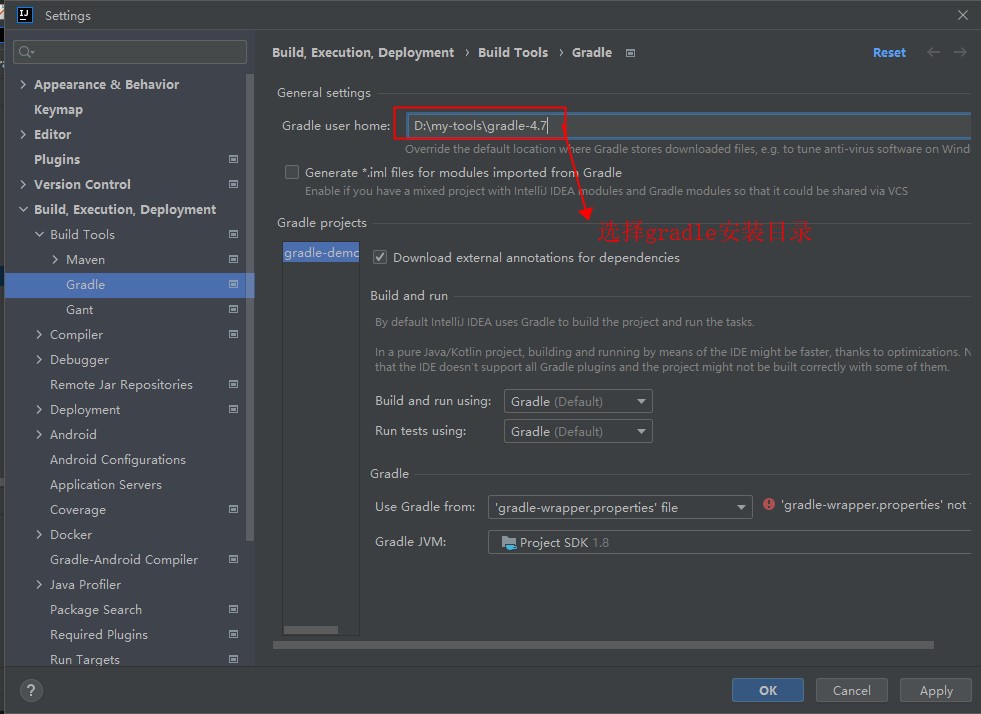
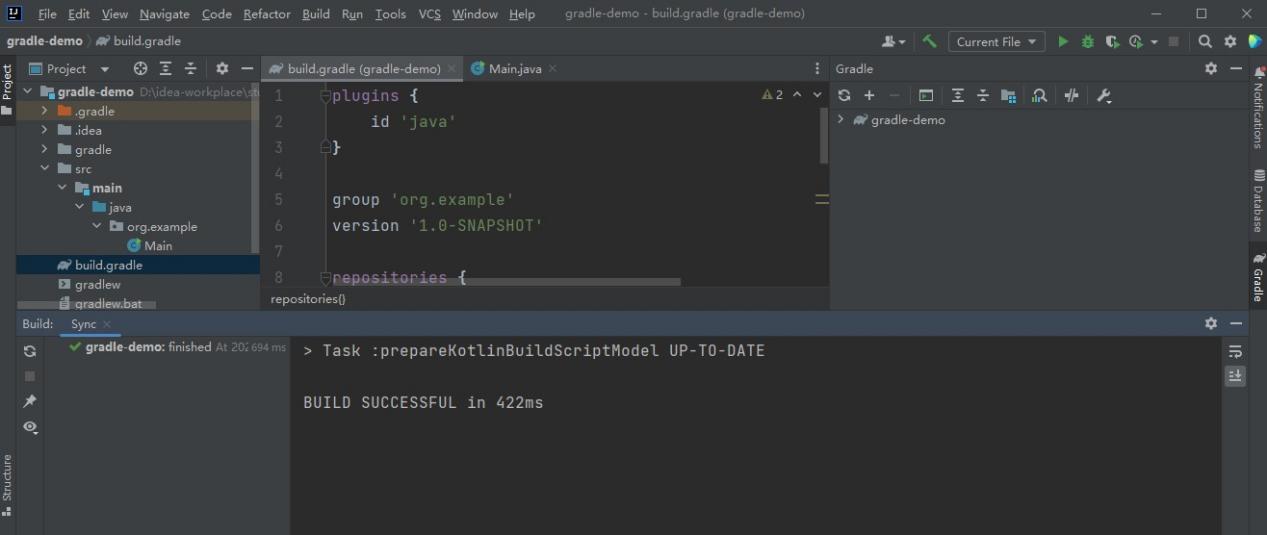


图3-1-4 点击Apply然后选择OK，如图3-1-5所示，提供编译成功了。

图3-1-5



# 导入elasticsearch

## 4.1、获取

官网下载地址：<https://www.elastic.co/products/elasticsearch>

github下载地址：<https://github.com/elastic/elasticsearch/releases?page=10>

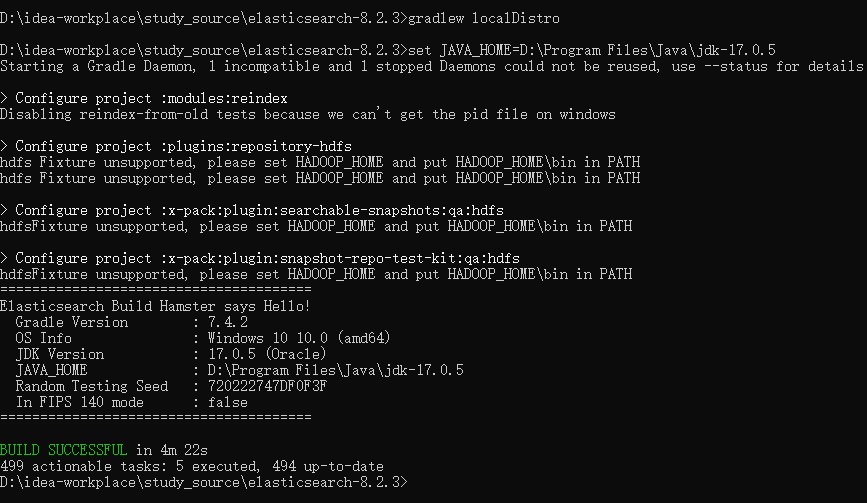
## 4.2、编辑

1、从github下载elasticsearch-8.2.3.zip 并解压

2、Win+R 输入cmd 进入进入elasticsearch-8.2.3目录

3、gradlew localDistro 命令进行编辑，如图4-2-1所示

图4-2-1

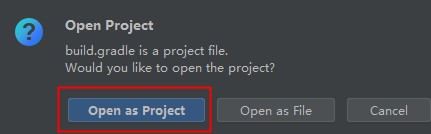


编辑成功

## 4.3、导入Intelli ideaj

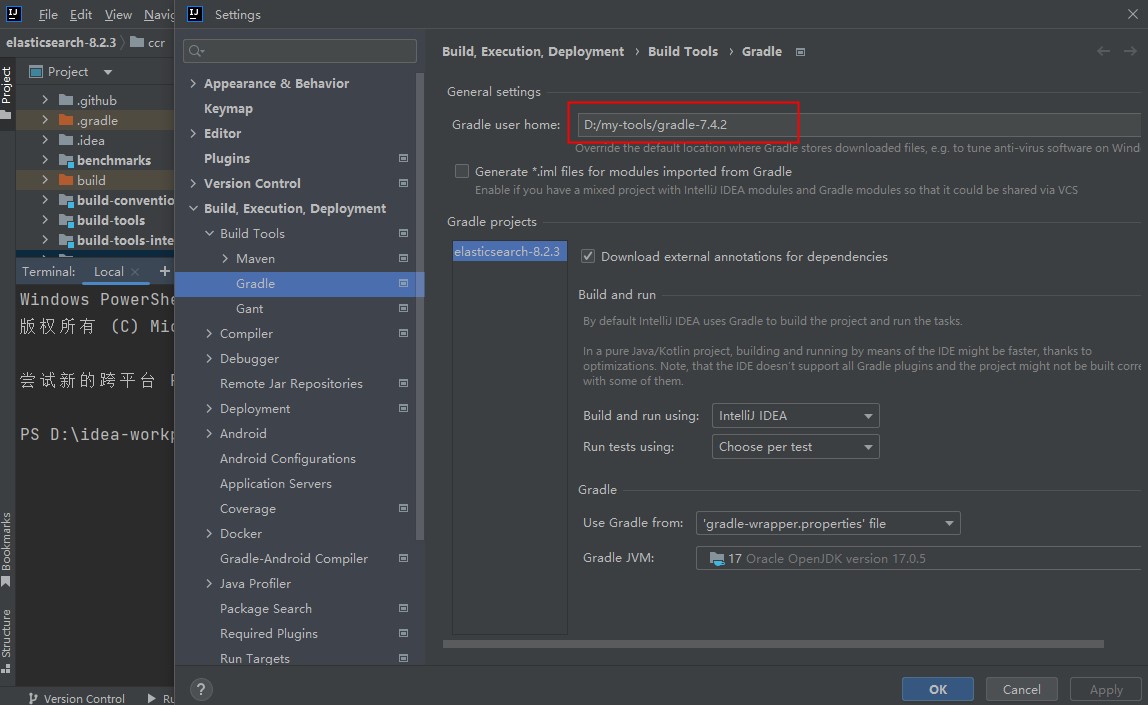
File--->Open 选择build.gradle文件，参考4-1选择Open as Project

图 4-3-1



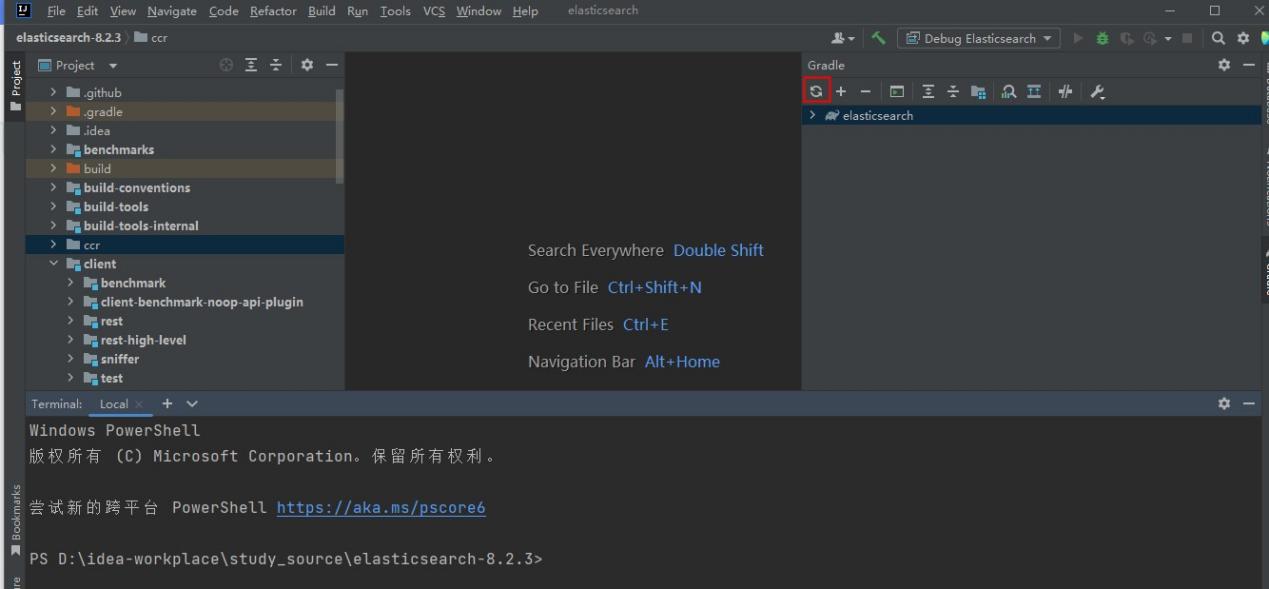
配置好gradle安装路径如图4-2所示

图 4-3-2



如图4-3-3所示点击执行 Reload All Gradle Projects按钮

图4-3-3



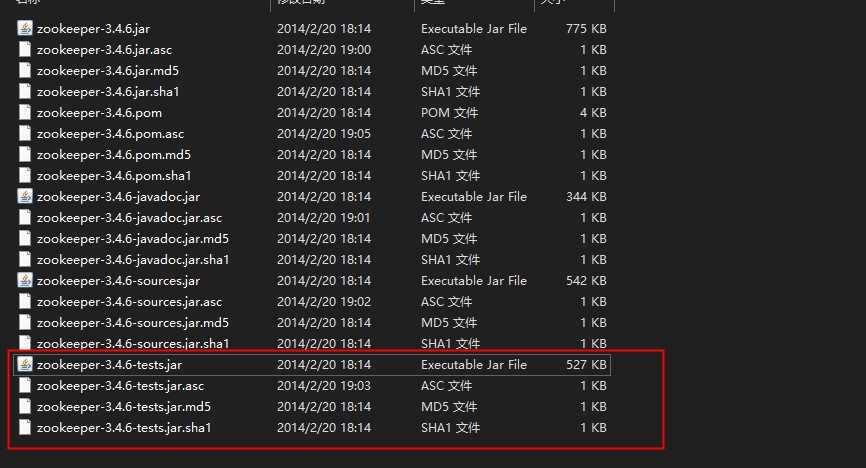
中途会遇到一个错误，找不到zookeeper-3.4.6-tests.jar包（参考4.3.1）

## 4.4 如果解决找不到zookeeper-3.4.6-tests.jar

1、去https://archive.apache.org/dist/zookeeper/zookeeper-3.4.6/ 下载[zookeeper-3.4.6.tar.gz](https://archive.apache.org/dist/zookeeper/zookeeper-3.4.6/zookeeper-3.4.6.tar.gz) 包

2、解压[zookeeper-3.4.6.tar.gz](https://archive.apache.org/dist/zookeeper/zookeeper-3.4.6/zookeeper-3.4.6.tar.gz)包，进入dist-maven目录

图4-4-1



把截图中的几个文件放到maven本地仓库位置如图4-4-2所示

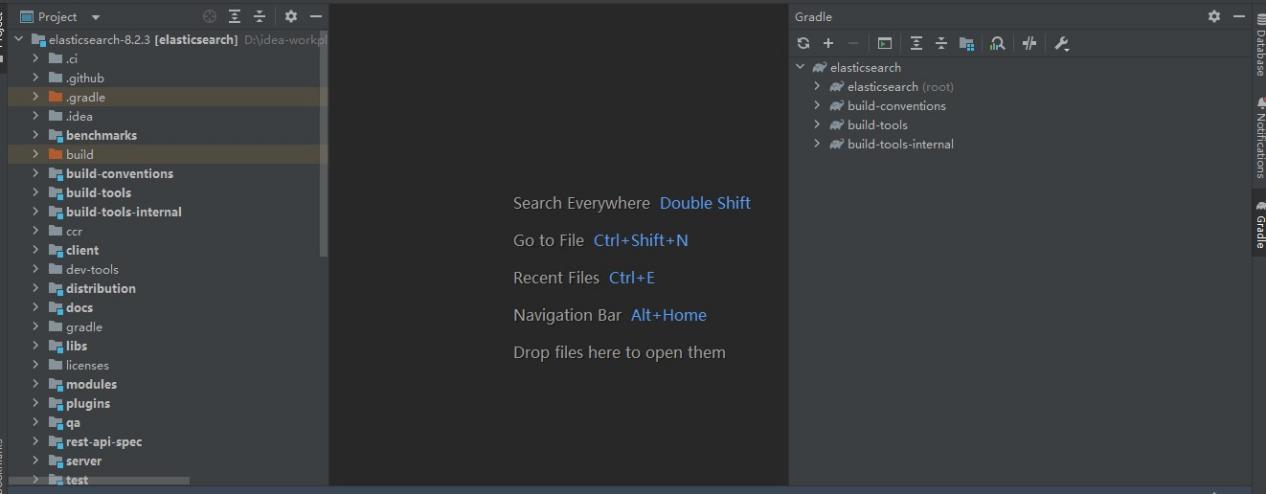
图4-4-2



重新执行Reload All Gradle Projects

编辑成功参考图4-4-3所示。

图4-4-3



# 运行elasticsearch

源码路径：D:\idea-workplace\study\_source\elasticsearch-8.2.3

## 5.1、ERROR: the system property [es.path.conf] must be set

运行org.elasticsearch.bootstrap.Elasticsearch#main方法报错

ERROR: the system property [es.path.conf] must be set

有两种解决方案，如5.1.1、5.1.2

### 5.1.1设置VM options

-Des.path.home=D:\idea-workplace\study\_source\elasticsearch-8.2.3\build\distribution\local\elasticsearch-8.2.3-SNAPSHOT  
-Des.path.conf=D:\idea-workplace\study\_source\elasticsearch-8.2.3\build\distribution\local\elasticsearch-8.2.3-SNAPSHOT\config  
-Djava.security.policy=D:\idea-workplace\study\_source\elasticsearch-8.2.3\build\distribution\local\elasticsearch-8.2.3-SNAPSHOT\config\java.policy  
-Dlog4j2.disable.jmx=true

Java.policy文件内容如下：

grant {

permission javax.management.MBeanTruxtPermission "register";

permission javax.management.MBeanServerPermission "createMBeanServer";

permission java.lang.RuntimePermission "createClassLoader";

permission java.lang.RuntimePermission "getClassLoader";

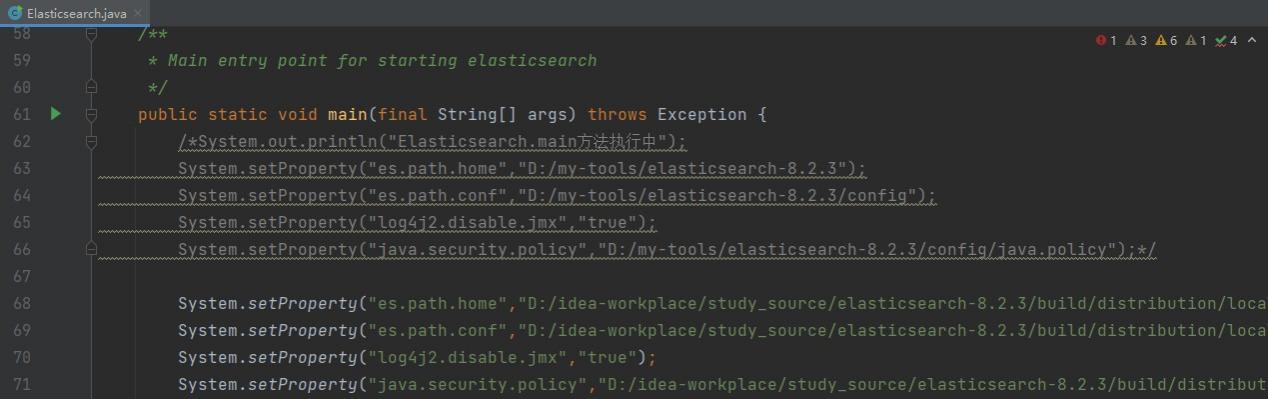
permission java.lang.RuntimePermission "setContextClassLoader";

permission org.elasticsearch.secure\_sm.ThreadPermission "modifyArbitraryThreadGroup";

};

### 5.1.2、代码中设置

图5-1-2-1



System.setProperty("es.path.home","D:/idea-workplace/study\_source/elasticsearch-8.2.3/build/distribution/local/elasticsearch-8.2.3-SNAPSHOT");

System.setProperty("es.path.conf","D:/idea-workplace/study\_source/elasticsearch-8.2.3/build/distribution/local/elasticsearch-8.2.3-SNAPSHOT/config");

System.setProperty("log4j2.disable.jmx","true");

System.setProperty("java.security.policy","D:/idea-workplace/study\_source/elasticsearch-8.2.3/build/distribution/local/elasticsearch-8.2.3-SNAPSHOT/config/java.policy");

## 5.2、uncaught exception in thread [main]

java.lang.IllegalArgumentException: Unknown codebases [codebase.elasticsearch-plugin-classloader, codebase.elasticsearch-x-content, codebase.elasticsearch, codebase.elasticsearch-secure-sm] in policy file [file:/D:/idea-workplace/study\_source/elasticsearch-8.2.3/server/out/production/resources/org/elasticsearch/bootstrap/security.policy]

Available codebases: [codebase.HdrHistogram, codebase.lucene-core, codebase.ecs-logging-core, codebase.lucene-grouping, codebase.t-digest-3.2.jar, codebase.ecs-logging-core-1.2.0.jar, codebase.lucene-queries-9.1.0.jar, codebase.log4j-api-2.17.1.jar, codebase.lucene-memory-9.1.0.jar, codebase.HdrHistogram-2.1.9.jar, codebase.t-digest, codebase.lucene-backward-codecs, codebase.log4j2-ecs-layout-1.2.0.jar, codebase.lucene-misc-9.1.0.jar, codebase.lucene-queryparser-9.1.0.jar, codebase.lucene-highlighter, codebase.lz4-java-1.8.0.jar, codebase.lucene-queryparser, codebase.lucene-memory, codebase.lucene-backward-codecs-9.1.0.jar, codebase.log4j-core-2.17.1.jar, codebase.jopt-simple, codebase.log4j2-ecs-layout, codebase.lz4-java, codebase.lucene-analysis-common-9.1.0.jar, codebase.lucene-core-9.1.0.jar, codebase.hppc, codebase.lucene-highlighter-9.1.0.jar, codebase.log4j-core, codebase.lucene-queries, codebase.lucene-join-9.1.0.jar, codebase.lucene-suggest-9.1.0.jar, codebase.jna, codebase.lucene-analysis-common, codebase.lucene-sandbox, codebase.lucene-sandbox-9.1.0.jar, codebase.hppc-0.8.1.jar, codebase.lucene-spatial3d-9.1.0.jar, codebase.lucene-suggest, codebase.jna-5.10.0.jar, codebase.jopt-simple-5.0.2.jar, codebase.lucene-join, codebase.lucene-misc, codebase.log4j-api, codebase.lucene-spatial3d, codebase.lucene-grouping-9.1.0.jar]

at org.elasticsearch.bootstrap.PolicyUtil.readPolicy(PolicyUtil.java:288)

at org.elasticsearch.bootstrap.ESPolicy.<init>(ESPolicy.java:52)

at org.elasticsearch.bootstrap.Security.configure(Security.java:123)

at org.elasticsearch.bootstrap.Bootstrap.setup(Bootstrap.java:229)

at org.elasticsearch.bootstrap.Bootstrap.init(Bootstrap.java:358)

at org.elasticsearch.bootstrap.Elasticsearch.init(Elasticsearch.java:169)

at org.elasticsearch.bootstrap.Elasticsearch.execute(Elasticsearch.java:160)

at org.elasticsearch.common.cli.EnvironmentAwareCommand.execute(EnvironmentAwareCommand.java:81)

at org.elasticsearch.cli.Command.mainWithoutErrorHandling(Command.java:112)

at org.elasticsearch.cli.Command.main(Command.java:77)

at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:125)

at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:80)

For complete error details, refer to the log at D:\my-tools\elasticsearch-8.2.3\logs\elasticsearch.log

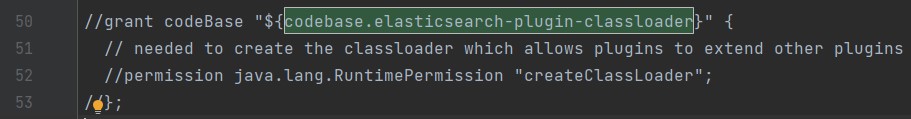
uncaught exception in thread [Thread-2]

java.lang.ClassCastException: class org.apache.logging.log4j.simple.SimpleLoggerContext cannot be cast to class org.apache.logging.log4j.core.LoggerContext (org.apache.logging.log4j.simple.SimpleLoggerContext and org.apache.logging.log4j.core.LoggerContext are in unnamed module of loader 'app')

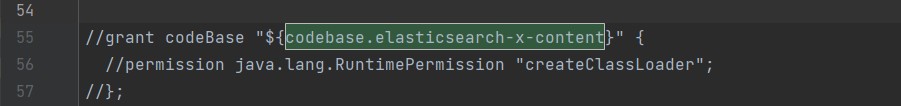
at org.elasticsearch.bootstrap.Bootstrap$4.run(Bootstrap.java:199)

找到D:\idea-workplace\study\_source\elasticsearch-8.2.3\server\out\production\resources\org\elasticsearch\bootstrap\security.policy文件找到codebase.elasticsearch-plugin-classloader, codebase.elasticsearch-x-content, codebase.elasticsearch, codebase.elasticsearch-secure-sm这四个点分别注掉

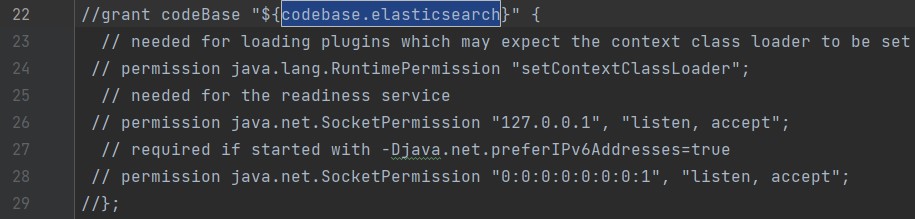
codebase.elasticsearch-plugin-classloader



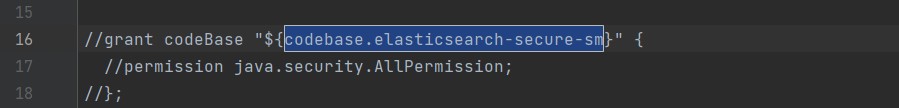
codebase.elasticsearch-x-content



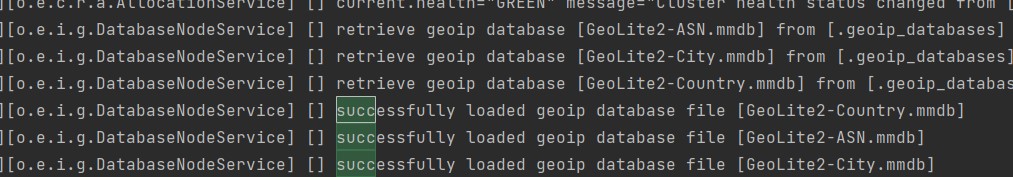
codebase.elasticsearch



codebase.elasticsearch-secure-sm



## 5.3、启动成功



## 5.4、登陆localhost:9200

登陆输入用户名、密码

进入D:\idea-workplace\study\_source\elasticsearch-8.2.3\build\distribution\local\elasticsearch-8.2.3-SNAPSHOT\bin路径

1. 添加用户/密码

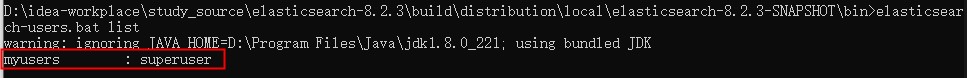
elasticsearch-users useradd skl -p 123456 -r superuser

1. 查询添加用户

elasticsearch-users.bat list

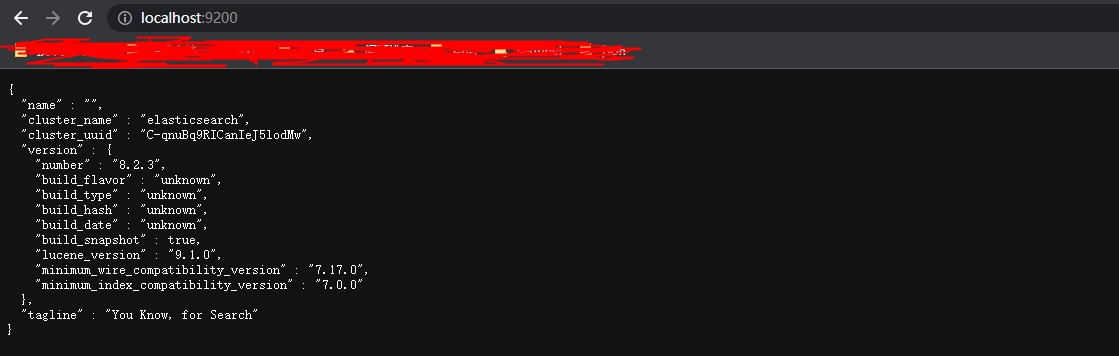
如图5-4-1所示

图5-4-1



输入myusers 、myuser 登陆

图5-4-2 所示

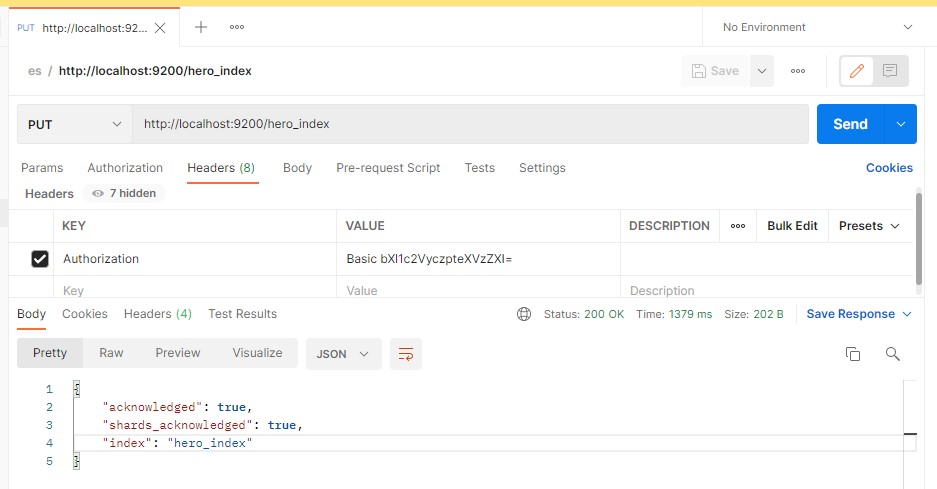


## 5.5、登陆索引

1、在浏览器上登陆后，F12获取Authorization对应的值

2、在POSTMAN上面，设置Authorization。执行http://localhost:9200/hero\_index创建hero\_index索引

图5-5-1

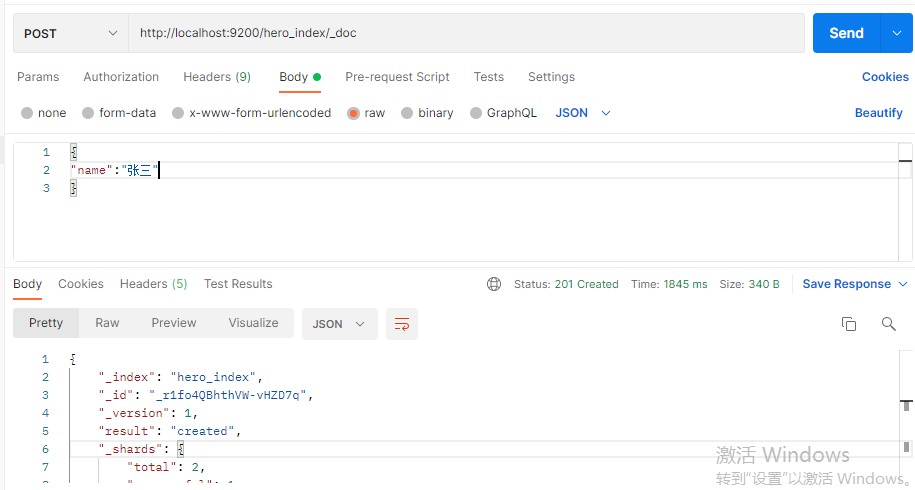


## 5.6、向索引中insert值

1、在浏览器上登陆后，F12获取Authorization对应的值

2、在POSTMAN上面，设置Authorization。执行http://localhost:9200/hero\_index/\_doc

图5-6-1



## 5.7、搜索文档

命令：<http://localhost:9200/hero_index/_search>

入参：{

 "size":1

}

图 5-7-1

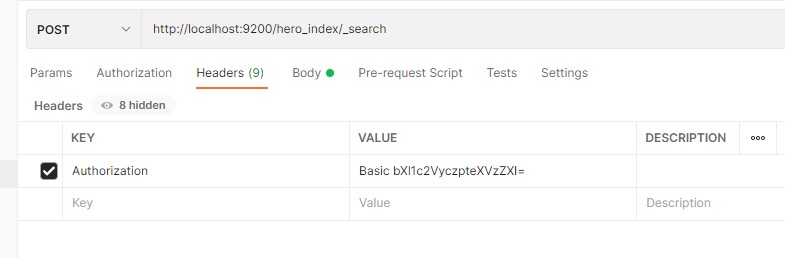
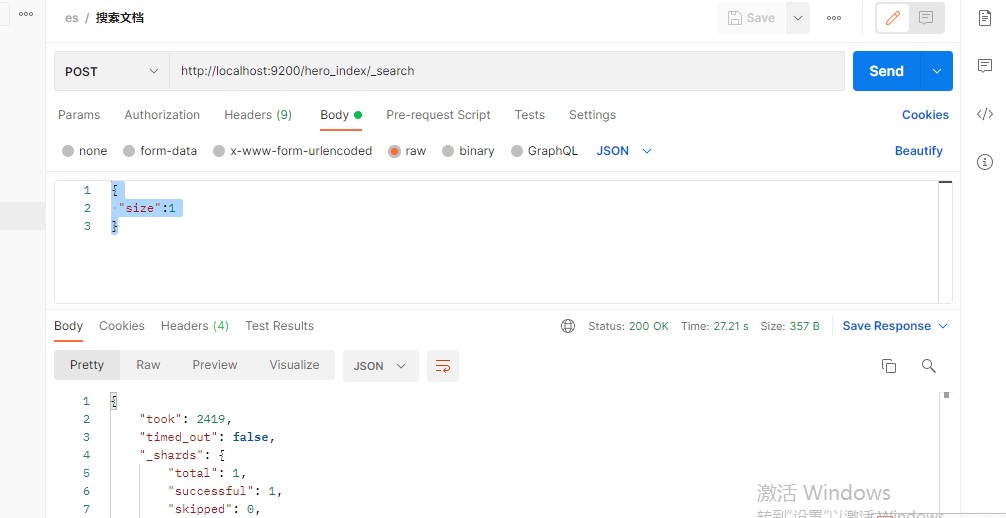


图5-7-2所示



返回：

{

    "took": 2419,

    "timed\_out": **false**,

    "\_shards": {

        "total": 1,

        "successful": 1,

        "skipped": 0,

        "failed": 0

    },

    "hits": {

        "total": {

            "value": 26,

            "relation": "eq"

        },

        "max\_score": 1.0,

        "hits": [

            {

                "\_index": "hero\_index",

                "\_id": "rrGOqYQBPvsf3k\_BQl8Y",

                "\_score": 1.0,

                "\_source": {

                    "name": "张三xx三"

                }

            }

        ]

    }

}

## 5.10、执行单元测试

图5-10-1

