环境说明

- jdk 1.8
- mysql 5.7.8+
- maven 3.6.1 +
- IDEA 2019+
- idea的Lombok

一、Maven 的.m2文件夹的settings.xml

localRepository 换成自己的路径

```
<?xml version="1.0" encoding="UTF-8"?>

<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0
http://maven.apache.org/xsd/settings-1.0.0.xsd">
  <!-- localRepository
   | The path to the local repository maven will use to store artifacts.
   |
   | Default: ${user.home}/.m2/repository
  <localRepository>/path/to/local/repo</localRepository>
  -->
    <localRepository>/Users/jinkui/.m2/repository</localRepository>


  <pluginGroups>
    <!-- pluginGroup
     | Specifies a further group identifier to use for plugin lookup.
    <pluginGroup>com.your.plugins</pluginGroup>
    -->
  </pluginGroups>

  <!-- proxies
   | This is a list of proxies which can be used on this machine to connect to the
network.
   | Unless otherwise specified (by system property or command-line switch), the first
proxy
   | specification in this list marked as active will be used.
   |-->
  <proxies>

  </proxies>
```

```
  <!-- servers
   | This is a list of authentication profiles, keyed by the server-id used within the system.
   | Authentication profiles can be used whenever maven must make a connection to a remote server.
   |-->
  <servers>

    <server>
        <id>maven-releases</id>
        <username>admin</username>
        <password>admin123</password>
    </server>
    <server>
        <id>maven-snapshots</id>
        <username>admin</username>
        <password>admin123</password>
    </server>

  </servers>

  <mirrors>
     <mirror>
         <id>mvnrepositoryMID</id>
         <mirrorOf>mvnrepositoryRID</mirrorOf>
         <name>mvnrepository</name>
         <url>http://mvnrepository.com</url>
     </mirror>
     <mirror>
        <id>nexus</id>
        <mirrorOf>central</mirrorOf>
        <name>my nexus</name>
        <url>http://10.10.10.240:8081/repository/maven-public/</url>
     </mirror>

  </mirrors>


  <profiles>
    <profile>
        <id>nexusProfile</id>
        <repositories>
            <repository>
                <id>nexus</id>
                <name>nexus</name>
                <url>http://10.10.10.240:8081/repository/maven-public/</url>
                <releases>
                    <enabled>true</enabled>
                </releases>
```

```
                <snapshots>
                    <enabled>true</enabled>
                </snapshots>
            </repository>
        </repositories>
    </profile>
  </profiles>

  <!-- activeProfiles
   | List of profiles that are active for all builds.
   |
  <activeProfiles>
    <activeProfile>alwaysActiveProfile</activeProfile>
    <activeProfile>anotherAlwaysActiveProfile</activeProfile>
  </activeProfiles>
  -->
</settings>
```

二、10.10.10.184 作为大家的基础开发环境

hosts文件配置如下：

```
10.10.10.184 hzc-register
10.10.10.184 hzc-gateway
10.10.10.184 hzc-redis
10.10.10.184 hzc-mysql
10.10.10.184 hzc-sentinel
```

三、以用户中心服务为例，下载upms

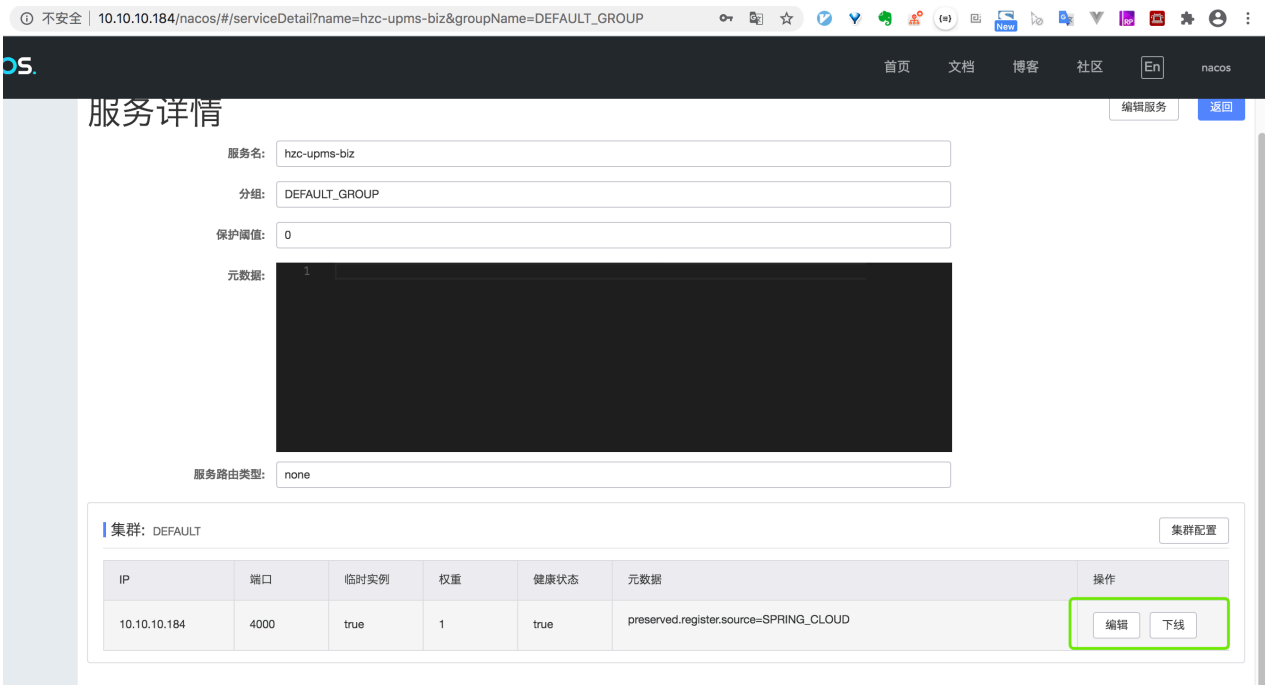
git地址：http://10.10.10.193/o2o/hzc-o2o-upms

```
git clone http://10.10.10.193/o2o/hzc-o2o-upms.git
```

导入到idea中，切换为dev分支。

四、启动之后，服务会注册到nacos上

下线184的服务，上线自己的就可以本地调试了。

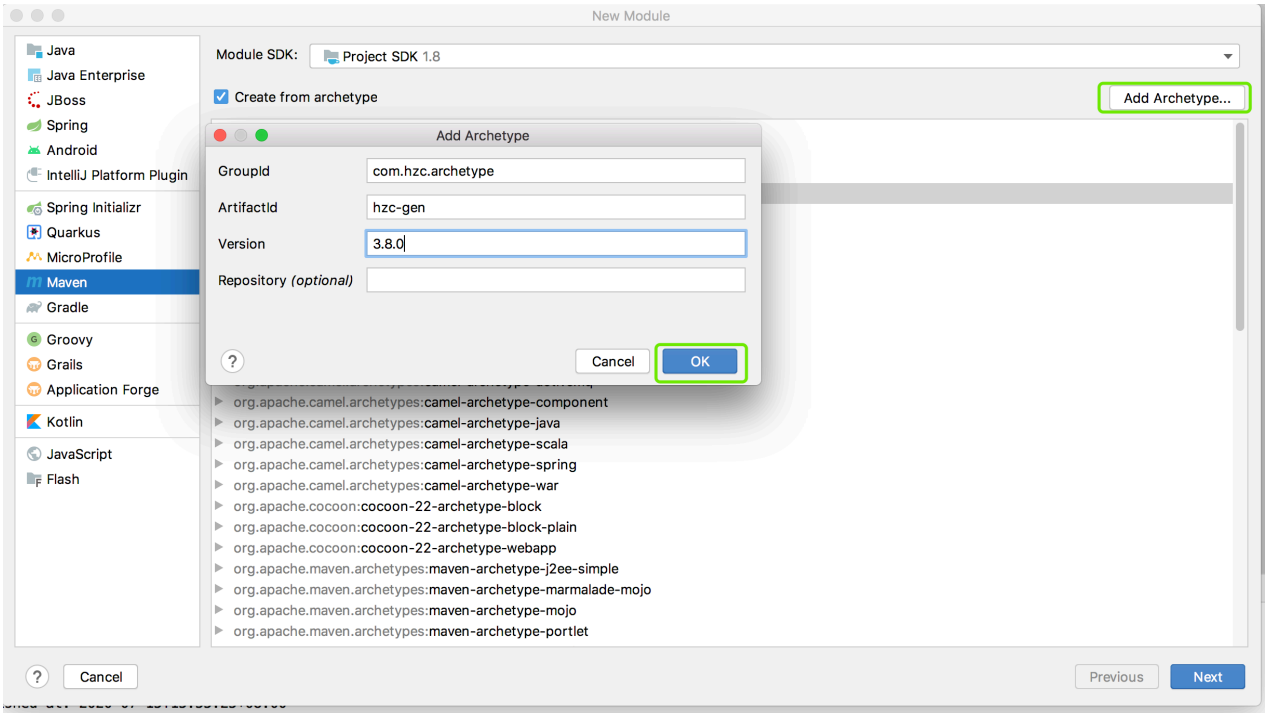


利用骨架工程新建项目，过程如下：

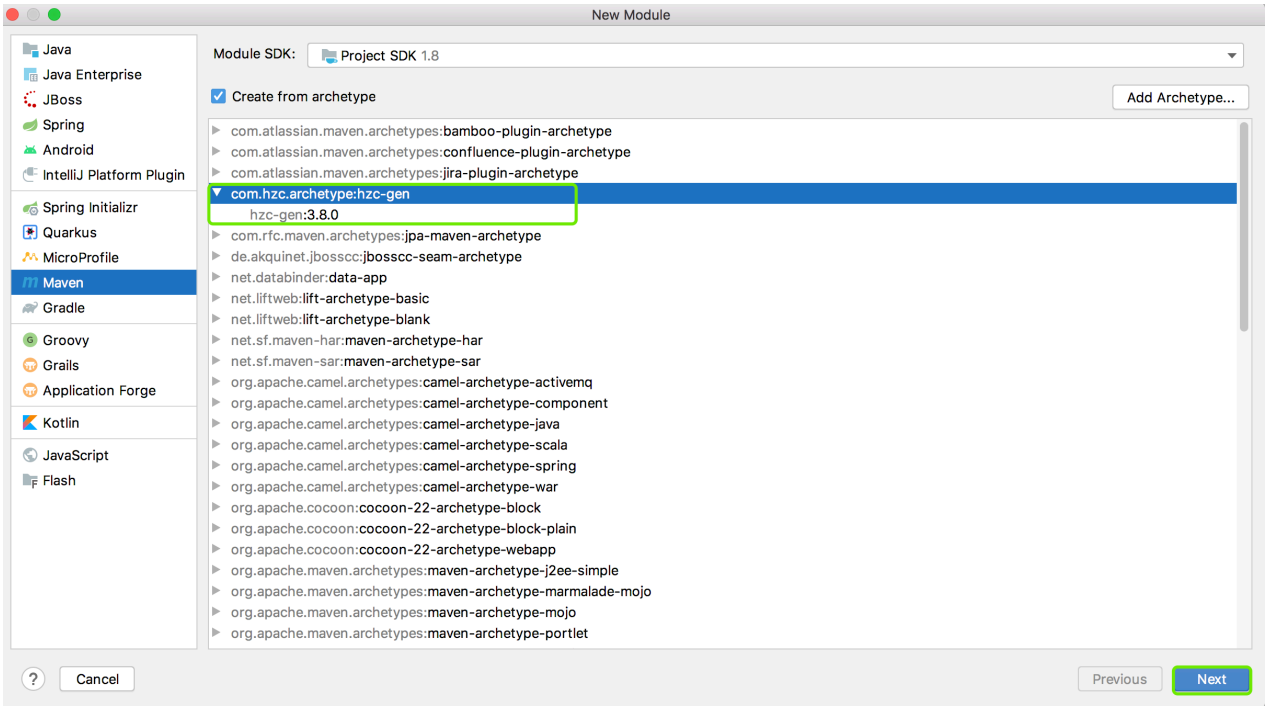
在idea中利用骨架工程生成符合中台研发规范的项目

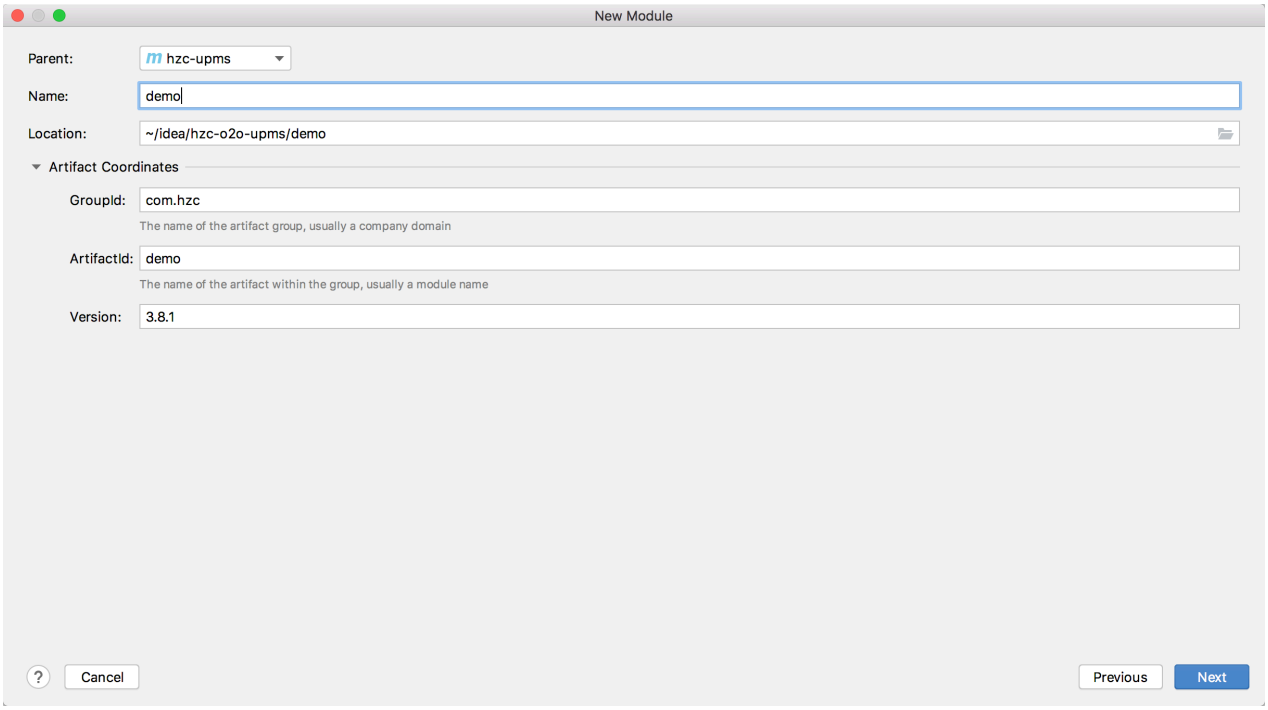
```
mvn install:install-file -Dfile=hzc-gen-3.8.0.jar -DgroupId=com.hzc.archetype -
DartifactId=hzc-gen -Dversion=3.8.0 -Dpackaging=jar
```

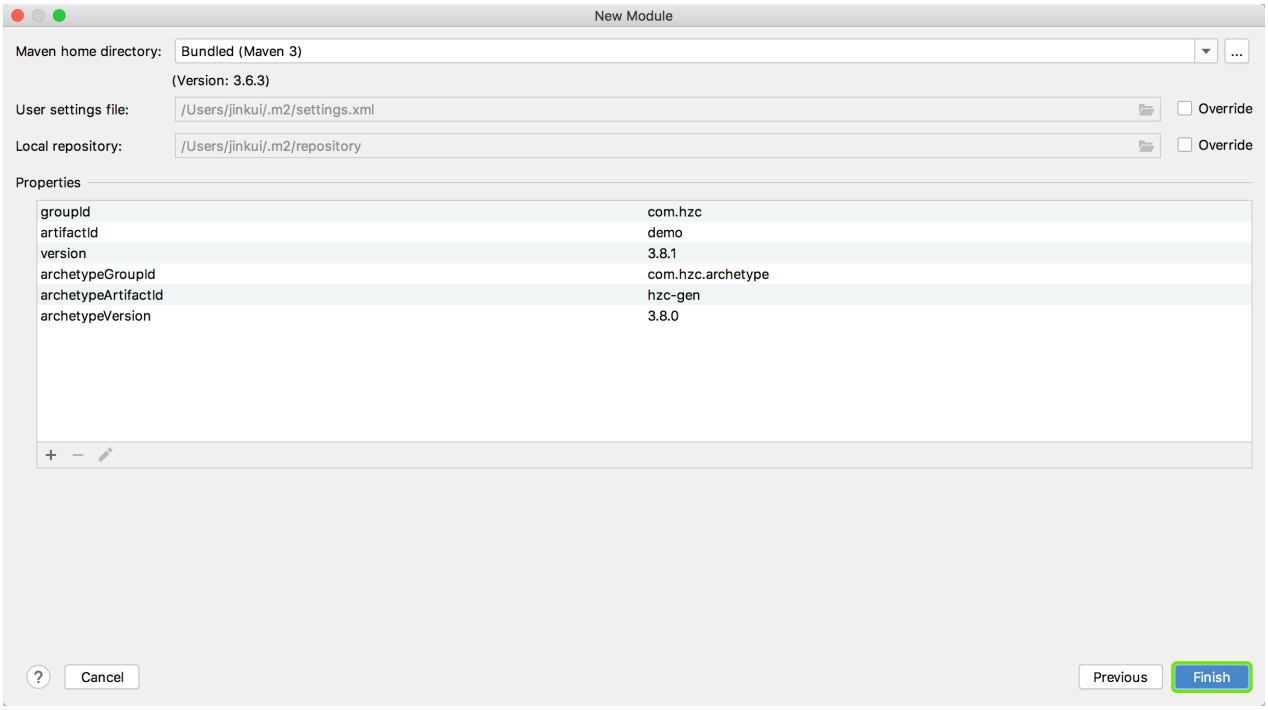
1. idea中加入骨架工程的Maven依赖



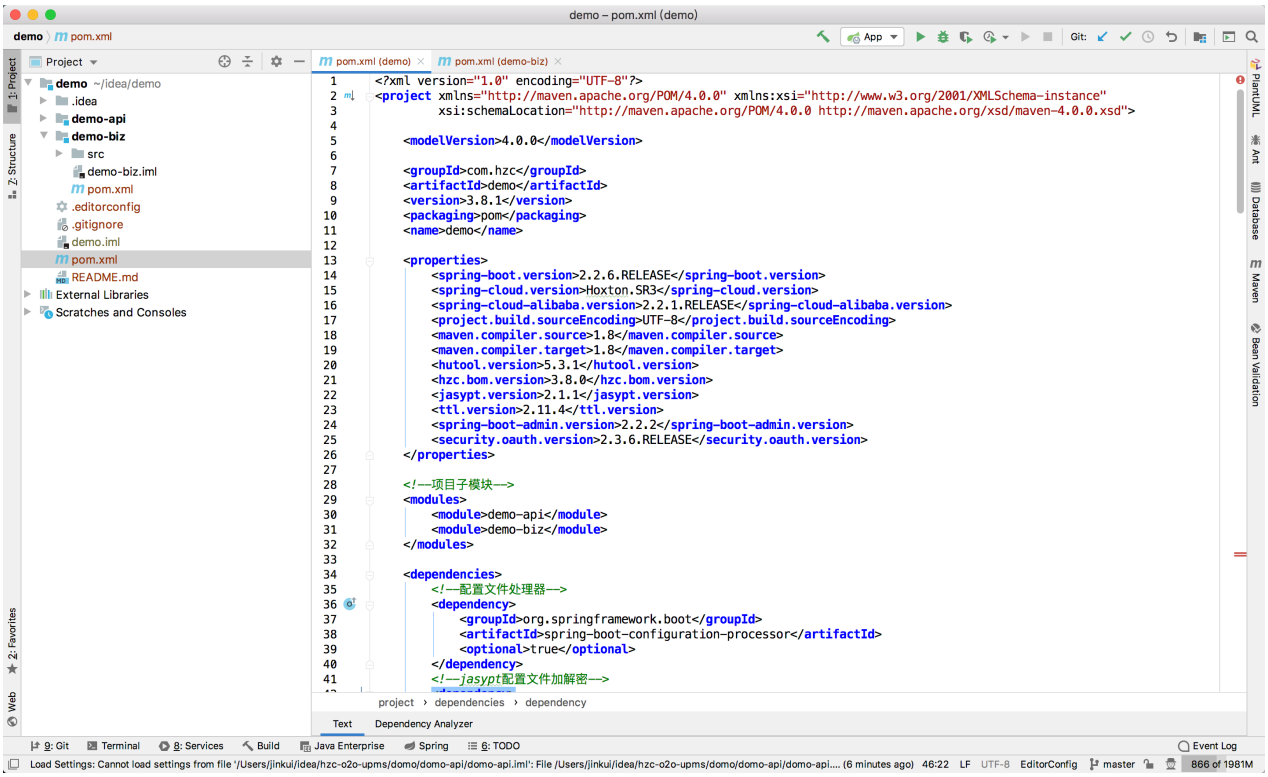
2. 一步一步来


New Module
Java
Java Enterprise
JBoss
Spring
Android
IntelliJ Platform Plugin
Spring Initializr
Quarkus
MicroProfile
Maven
Gradle
Groovy
Grails
Application Forge
Kotlin
JavaScript
Flash
Module SDK:
Project SDK 1.8
Create from archetype
Add Archetype...
com.atlassian.maven.archetypes:bamboo-plugin-archetype
com.atlassian.maven.archetypes:confluence-plugin-archetype
com.atlassian.maven.archetypes:jira-plugin-archetype
com.hzc.archetype:hzc-gen
hzc-gen:3.8.0
com.rfc.maven.archetypes:jpa-maven-archetype
de.akquinet.jbosscc:jbosscc-seam-archetype
net.databinder:data-app
net.liftweb:lift-archetype-basic
net.liftweb:lift-archetype-blank
net.sf.maven-har:maven-archetype-har
net.sf.maven-sar:maven-archetype-sar
org.apache.camel.archetypes:camel-archetype-activemq
org.apache.camel.archetypes:camel-archetype-component
org.apache.camel.archetypes:camel-archetype-java
org.apache.camel.archetypes:camel-archetype-scala
org.apache.camel.archetypes:camel-archetype-spring
org.apache.camel.archetypes:camel-archetype-war
org.apache.cocoon:cocoon-22-archetype-block
org.apache.cocoon:cocoon-22-archetype-block-plain
org.apache.cocoon:cocoon-22-archetype-webapp
org.apache.maven.archetypes:maven-archetype-j2ee-simple
org.apache.maven.archetypes:maven-archetype-marmalade-mojo
org.apache.maven.archetypes:maven-archetype-mojo
org.apache.maven.archetypes:maven-archetype-portlet
Cancel
Previous
Next

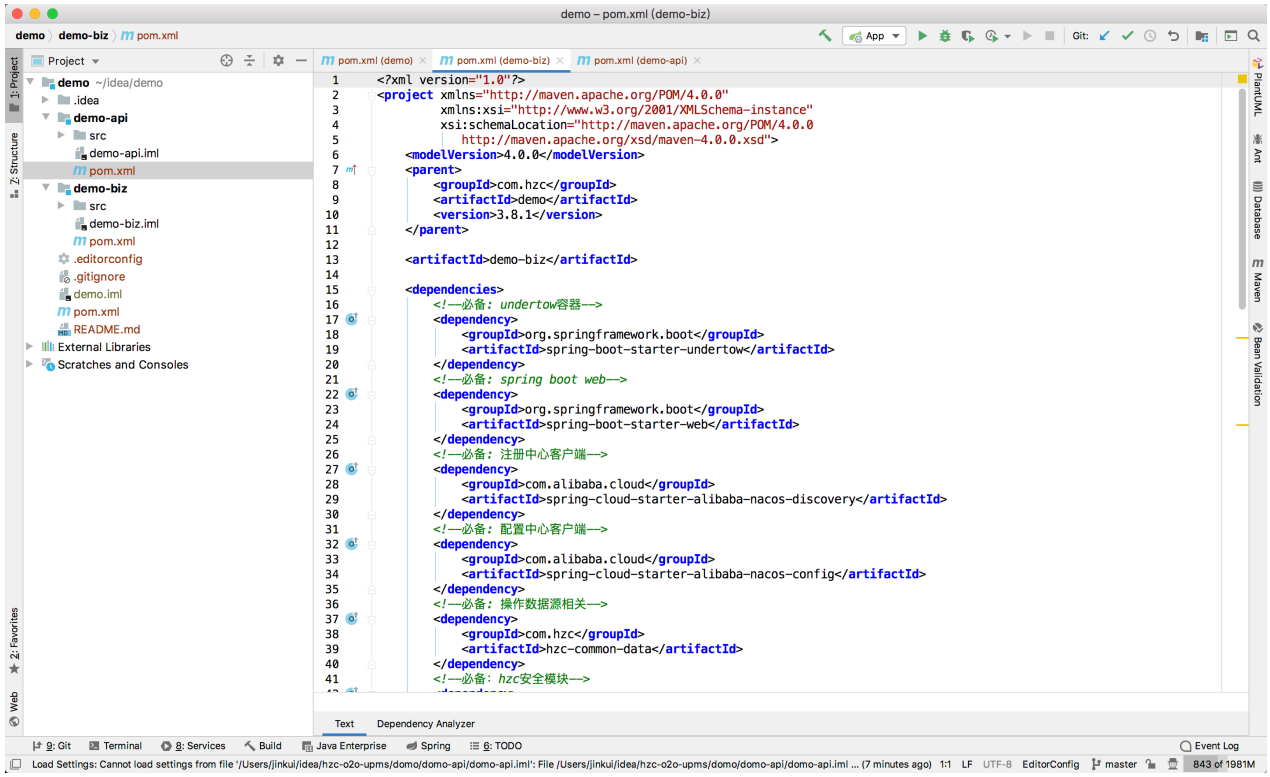

New Module
Parent:
hzc-upms
Name:
demo
Location:
~/idea/hzc-o2o-upms/demo
Artifact Coordinates
GroupId:
com.hzc
The name of the artifact group, usually a company domain
ArtifactId:
demo
The name of the artifact within the group, usually a module name
Version:
3.8.1
Cancel
Previous
Next



3、新生成项目导入idea



4. 展示一下框架默认提供的能力domo-biz（pom.xml）




```
<?xml version="1.0"?>
<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>
    <parent>
        <groupId>com.hzc</groupId>
        <artifactId>demo</artifactId>
        <version>3.8.1</version>
    </parent>

    <artifactId>demo-biz</artifactId>

    <dependencies>
        <!--必备: undertow容器-->
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-undertow</artifactId>
        </dependency>
        <!--必备: spring boot web-->
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-web</artifactId>
        </dependency>
        <!--必备: 注册中心客户端-->
        <dependency>
```

```
            <groupId>com.alibaba.cloud</groupId>
            <artifactId>spring-cloud-starter-alibaba-nacos-discovery</artifactId>
        </dependency>
        <!--必备: 配置中心客户端-->
        <dependency>
            <groupId>com.alibaba.cloud</groupId>
            <artifactId>spring-cloud-starter-alibaba-nacos-config</artifactId>
        </dependency>
        <!--必备: 操作数据源相关；redis缓存，redisson分布式锁（还是测试中），mybatis-plus-
->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-data</artifactId>
        </dependency>
        <!--必备：hzc安全模块-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-security</artifactId>
        </dependency>
        <!--必备: sentinel 依赖-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-sentinel</artifactId>
        </dependency>
        <!--必备: feign 依赖-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-feign</artifactId>
        </dependency>
        <!--必备: 依赖api模块，包含了hzc-common-core 工具类，超全工具类-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>demo-api</artifactId>
            <version>3.8.1</version>
        </dependency>
        <!--必备: sentinel 依赖-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-sentinel</artifactId>
        </dependency>
        <!--mybatis-->
        <dependency>
            <groupId>com.baomidou</groupId>
            <artifactId>mybatis-plus-boot-starter</artifactId>
        </dependency>
        <!-- druid 连接池 -->
        <dependency>
            <groupId>com.alibaba</groupId>
            <artifactId>druid-spring-boot-starter</artifactId>
```

```
        </dependency>
        <!--数据库-->
        <dependency>
            <groupId>mysql</groupId>
            <artifactId>mysql-connector-java</artifactId>
        </dependency>
        <!--必备: log 依赖-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-log</artifactId>
        </dependency>
        <!--选配: swagger文档-->
        <dependency>
            <groupId>com.hzc</groupId>
            <artifactId>hzc-common-swagger</artifactId>
        </dependency>
        <!--测试: spring boot test-->
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-test</artifactId>
        </dependency>
    </dependencies>
    <build>
        <plugins>
            <plugin>
                <groupId>org.springframework.boot</groupId>
                <artifactId>spring-boot-maven-plugin</artifactId>
            </plugin>
        </plugins>
    </build>
</project>
```

5. 直接就能启动了