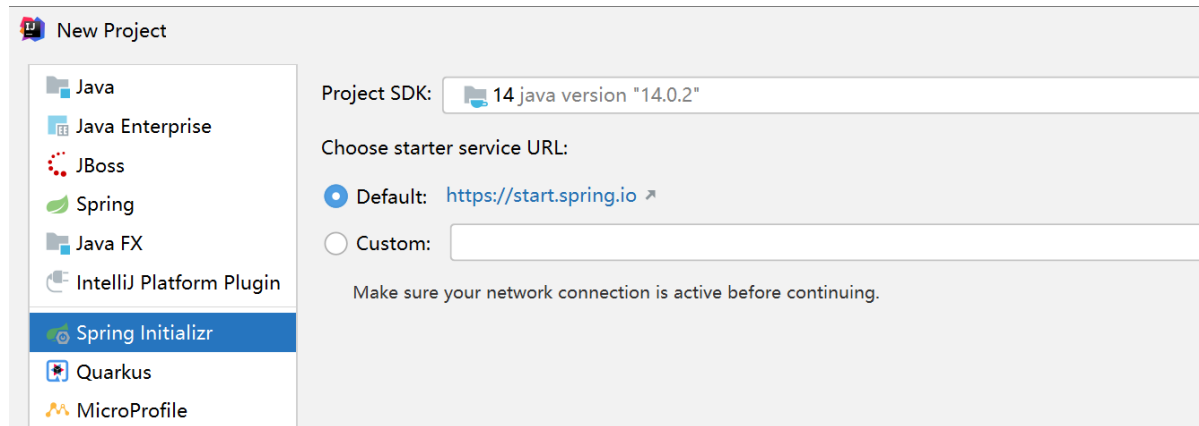


2-1 创建SpringBoot项目

140.143.132.225:8000/project-1/doc-12

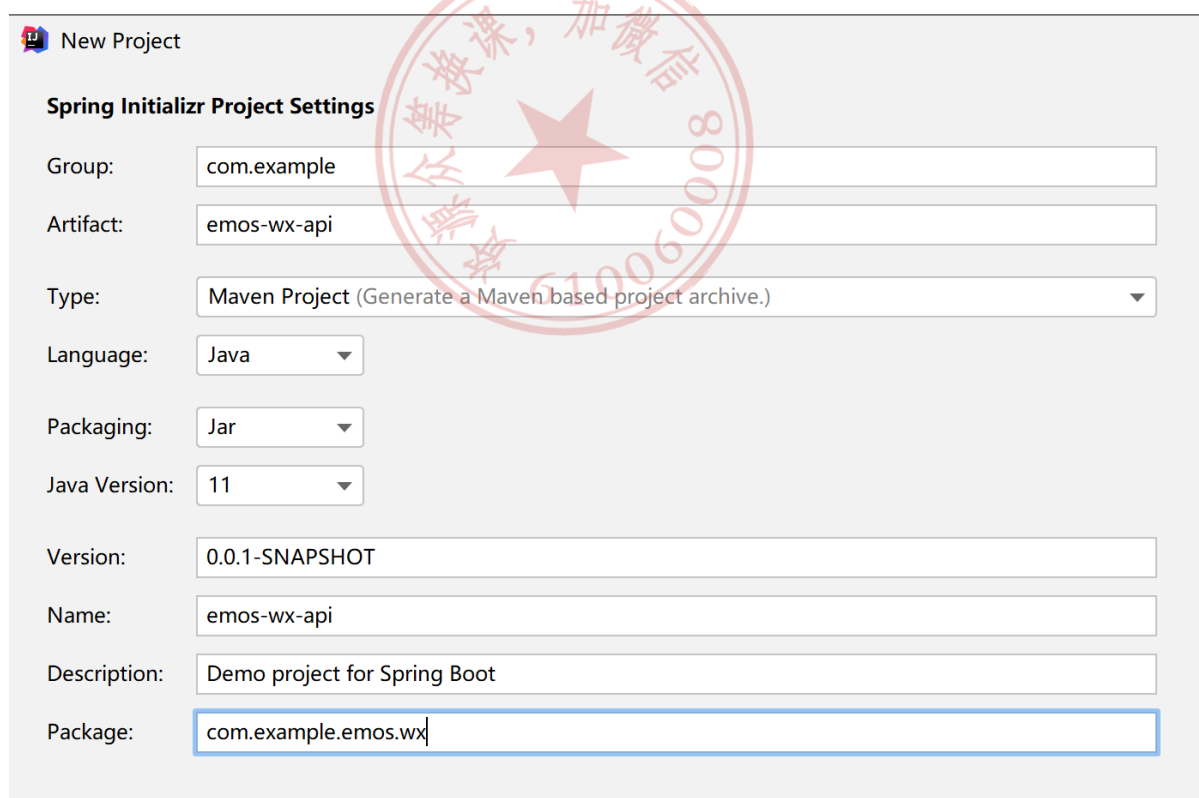
一、创建SpringBoot项目

1. 创建项目的时候选择 Spring Initializr



The screenshot shows the 'New Project' dialog in IntelliJ IDEA. On the left, a list of project types includes Java, Java Enterprise, JBoss, Spring, Java FX, IntelliJ Platform Plugin, **Spring Initializr** (highlighted), Quarkus, and MicroProfile. On the right, the 'Project SDK' is set to '14 java version "14.0.2"'. Under 'Choose starter service URL', the 'Default' option is selected with the URL 'https://start.spring.io'. A note at the bottom states: 'Make sure your network connection is active before continuing.'

2. 填写好项目信息



The screenshot shows the 'Spring Initializr Project Settings' dialog. It contains the following fields and values:

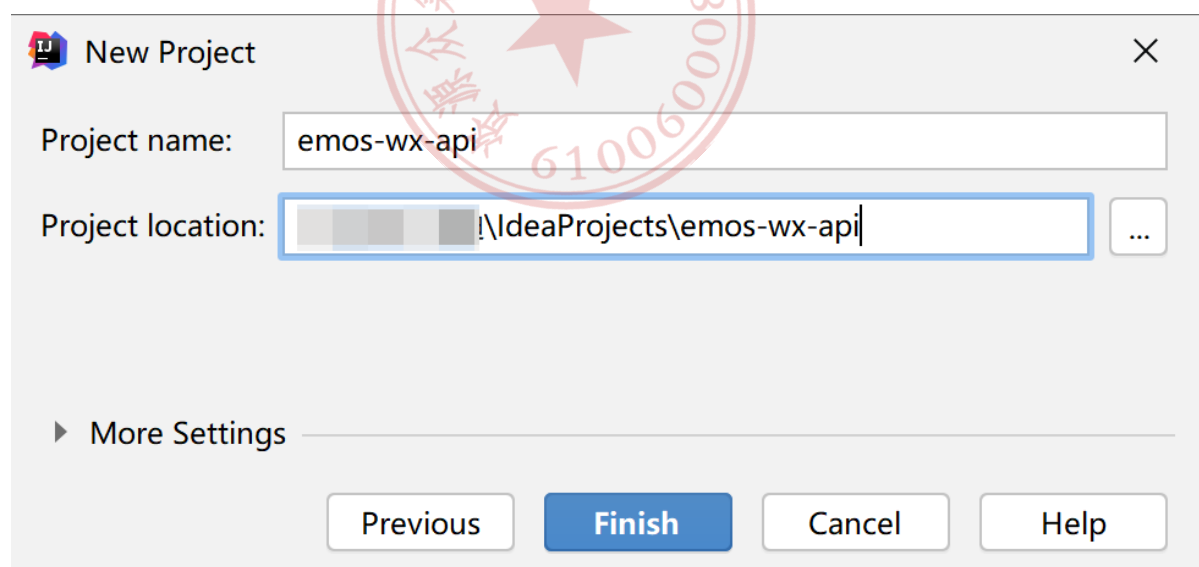
- Group: com.example
- Artifact: emos-wx-api
- Type: Maven Project (Generate a Maven based project archive.)
- Language: Java
- Packaging: Jar
- Java Version: 11
- Version: 0.0.1-SNAPSHOT
- Name: emos-wx-api
- Description: Demo project for Spring Boot
- Package: com.example.emos.wx

A large red circular watermark is overlaid on the dialog, containing the text '换课, 加微' and '80066008'.

3. 在依赖库界面，勾选如下内容

序号	序号	作用
1	SpringBoot DevTool	热部署插件
2	Lombok	生成SET/GET方法
3	Spring Web	SpringMVC框架
4	MySQL Driver	MySQL数据库驱动
5	MyBatis Framework	MyBatis持久层框架
6	Spring Data Redis	操作Redis技术
7	Spring Data MongoDB	操作MongoDB技术
8	Spring For RabbitMQ	RabbitMQ驱动
9	Java Mail Sender	邮件发送技术
10	QuartZ Scheduler	定时器技术

4. 填写项目名称



New Project

Project name:

Project location:

More Settings

Previous Finish Cancel Help

5. 把 `application.properties` 文件修改成 `application.yml`

二、配置Tomcat

1. server:
2. tomcat:
3. uri-encoding: UTF-8
4. threads:
5. max: 200
6. min-spare: 30
7. connection-timeout: 5000ms
8. port: 8080
9. servlet:
10. context-path: /emos-wx-api

三、配置MySQL数据源

1. spring:
2. datasource:
3. type: com.alibaba.druid.pool.DruidDataSource
4. druid:
5. driver-class-name: com.mysql.jdbc.Driver
6. url: jdbc:mysql://localhost:3306/emos?useUnicode=true&characterEncoding=UTF-8&serverTimezone=Asia/Shanghai
7. username: root
8. password: abc123456
9. initial-size: 8
10. max-active: 16
11. min-idle: 8
12. max-wait: 60000
13. test-while-idle: true
14. test-on-borrow: false
15. test-on-return: false



因为使用了阿里巴巴的Druid连接池，所以要在pom.xml文件中添加依赖，然后让Maven执行reload，依赖库就下载好了。

1. <dependency>
2. <groupId>com.alibaba</groupId>
3. <artifactId>druid-spring-boot-starter</artifactId>
4. <version>1.1.13</version>
5. </dependency>

四、配置Redis数据源

```
1. spring:
2.   #这里省略MySQL配置信息
3.   redis:
4.     database: 0
5.     host: localhost
6.     port: 6379
7.     password: abc123456
8.     jedis:
9.       pool:
10.        max-active: 1000
11.        max-wait: -1ms
12.        max-idle: 16
13.        min-idle: 8
```

五、配置MongoDB数据源

```
1. spring:
2.   #这里省略MySQL配置信息
3.   #这里省略Redis配置信息
4.   data:
5.     mongodb:
6.       host: localhost
7.       port: 27017
8.       database: emos
9.       authentication-database: admin
10.      username: admin
11.      password: abc123456
```



六、运行项目，检测配置

找到EmosWxApiApplication类，运行主方法，启动SpringBoot项目，然后观察控制台的输出，如果没有异常消息，说明以上的这些配置完全正确。如果出现了异常信息，需要你检查数据库是否都启动了，而且依赖库是否加载了，最后还要核对一下yml文件中的配置信息。