

1、课程名称：Intllij IDEA 2017



2、讲解知识点

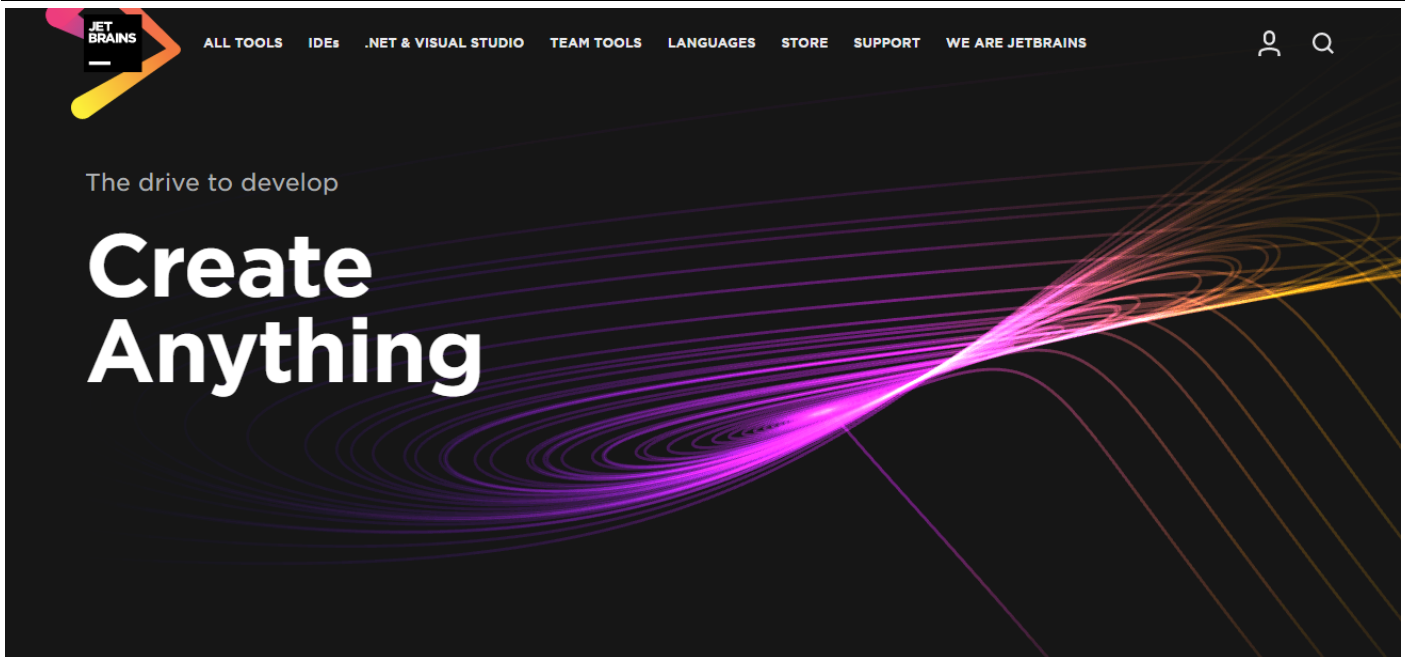
- 001、Intllij IDEA 2017 简介
- 002、下载与安装
- 003、激活与配置 Intllij IDEA 2017
- 004、创建 java 项目
- 005、创建 WEB 项目
- 006、使用 Maven 搭建 WEB 项目

3、具体内容

3.1、Intellij IDEA 2017 简介

IDEA 全称 IntelliJ IDEA，是 java 语言开发的集成环境，IntelliJ 在业界被公认为最好的 java 开发工具之一，尤其在智能代码助手、代码自动提示、重构、J2EE 支持、各类版本工具(git、svn、github 等)、JUnit、CVS、MAVEN 整合、代码分析、创新的 GUI 设计等方面的功能可以说是超常的。IDEA 是 JetBrains 公司的产品，这家公司总部位于捷克共和国的首都布拉格，开发人员以严谨著称的东欧程序员为主。它的旗舰版本还支持 HTML，CSS，PHP，MySQL，Python 等。免费版只支持 Java 等少数语言。

IDEA 网站：<https://www.jetbrains.com/>



版本对比:

	development	development
Java, Kotlin, Groovy, Scala	✓	✓
Android ?	✓	✓
Maven, Gradle, SBT	✓	✓
Git, SVN, Mercurial, CVS	✓	✓
Detecting Duplicates ?	✓	
Perforce, ClearCase, TFS	✓	
JavaScript, TypeScript ?	✓	
Java EE, Spring, GWT, Vaadin, Play, Grails, Other Frameworks ?	✓	
Database Tools, SQL	✓	

内置工具和支持框架:

Built-in tools and supported frameworks



Built-in tools

Build tools
Version control
Decompiler
Coverage
Database tools/SQL



JVM languages

Java
Scala
Groovy
Kotlin



Enterprise frameworks

Spring
Java EE
GWT/Vaadin
JBoss
Play
Grails
App Servers/Clouds



Mobile development

Android
PhoneGap/ Cordova/
Ionic

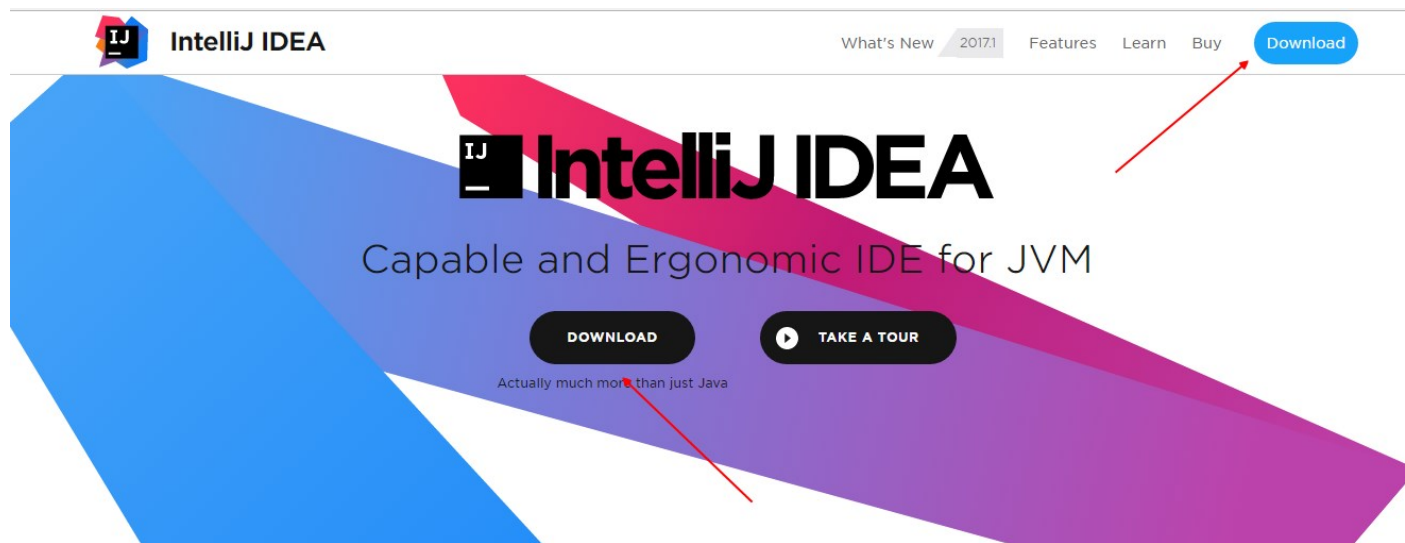


Web development

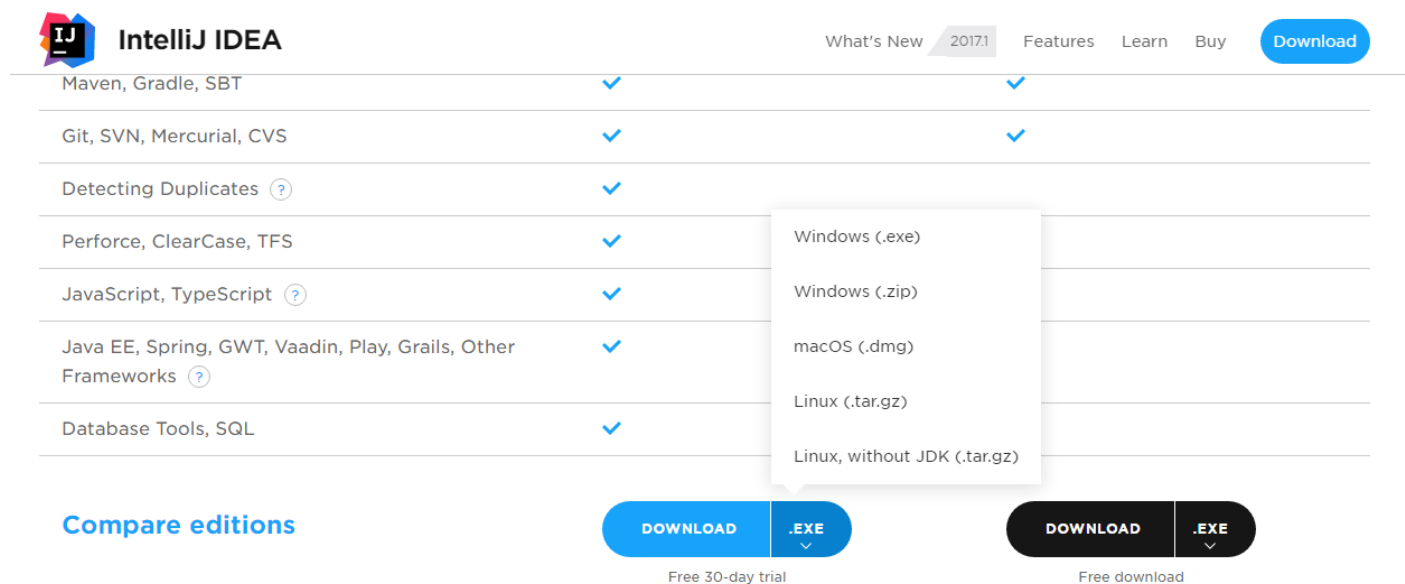
JavaScript
HTML/CSS
AngularJS
React
Node.js

3.2、下载与安装

3.2.1、下载 IDEA 2017

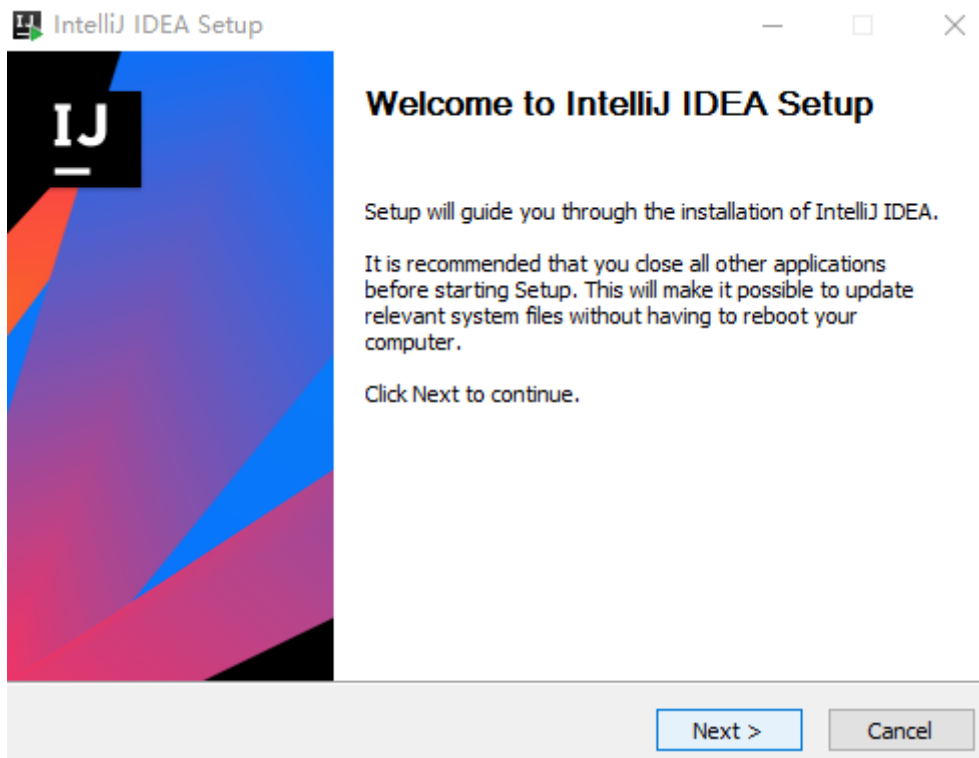


IDEA 开发工具支持平台:

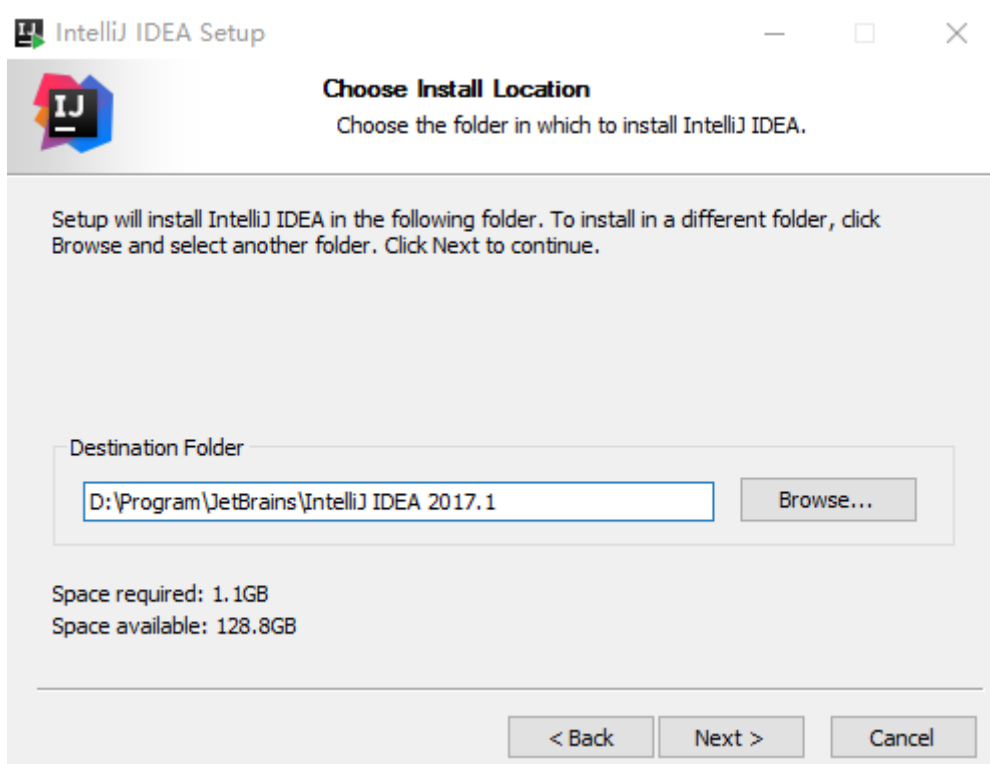


3.2.2、安装 IDEA 2017

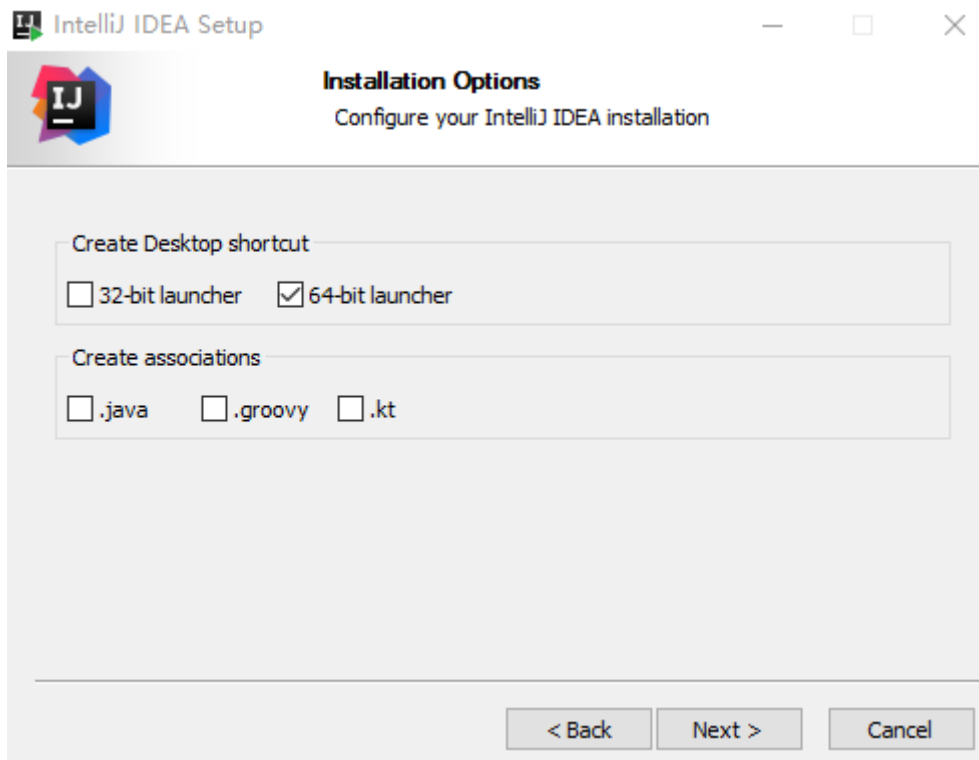
双击打开 IDEA 安装包。



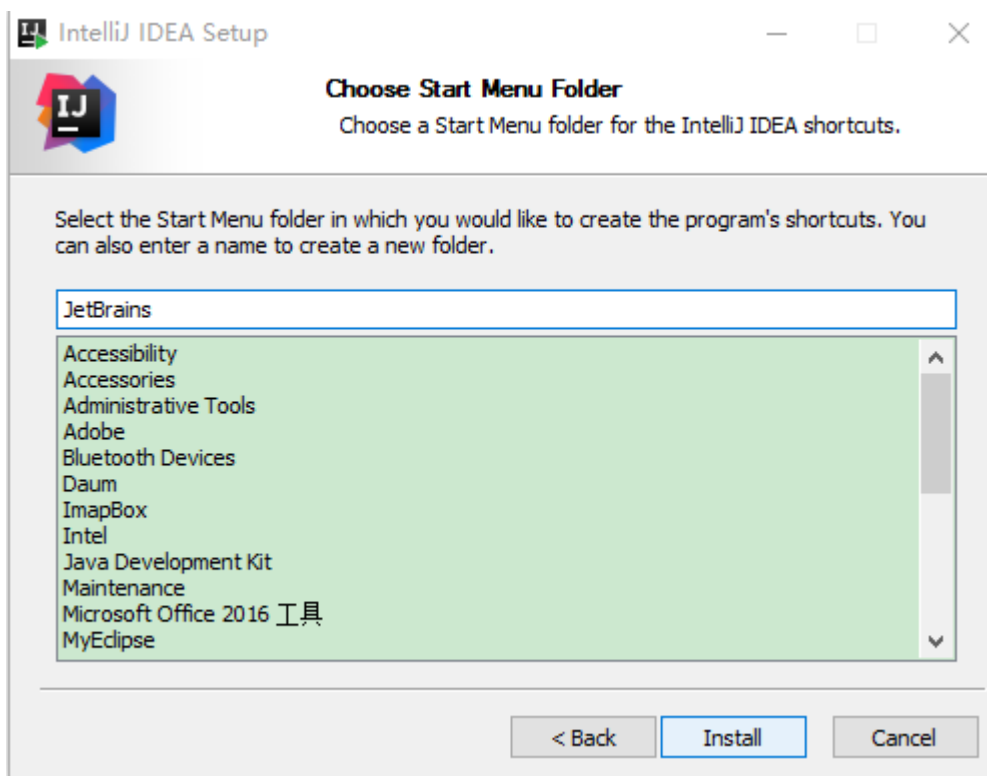
选择下一步，询问用户安装目录



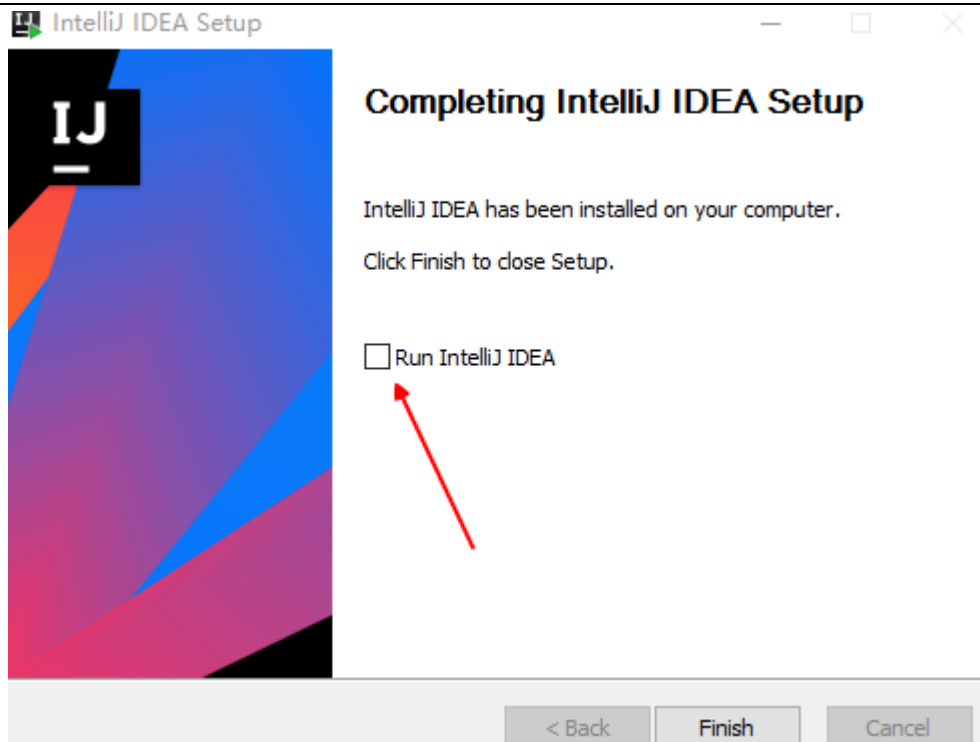
继续选择下一步，询问用户是否创建桌面图标。



此时继续选择下一步，进入安装：



安装过程比较慢，大概需要 5~6 分钟。

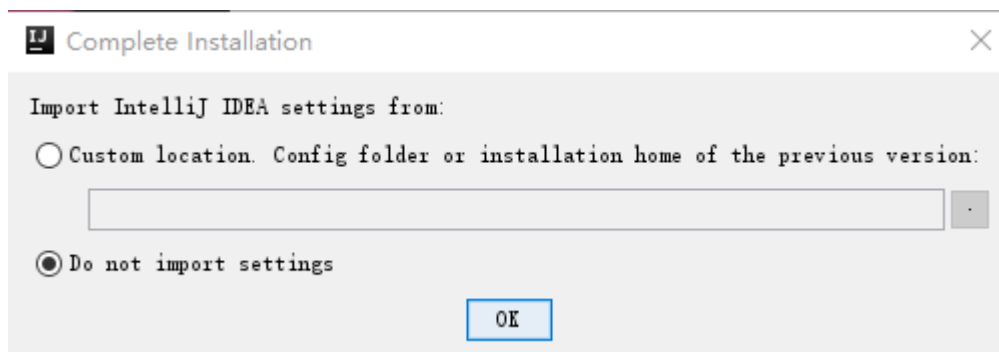


安装完成后不要启动 IDEA 2017 ， 点击完成即可。

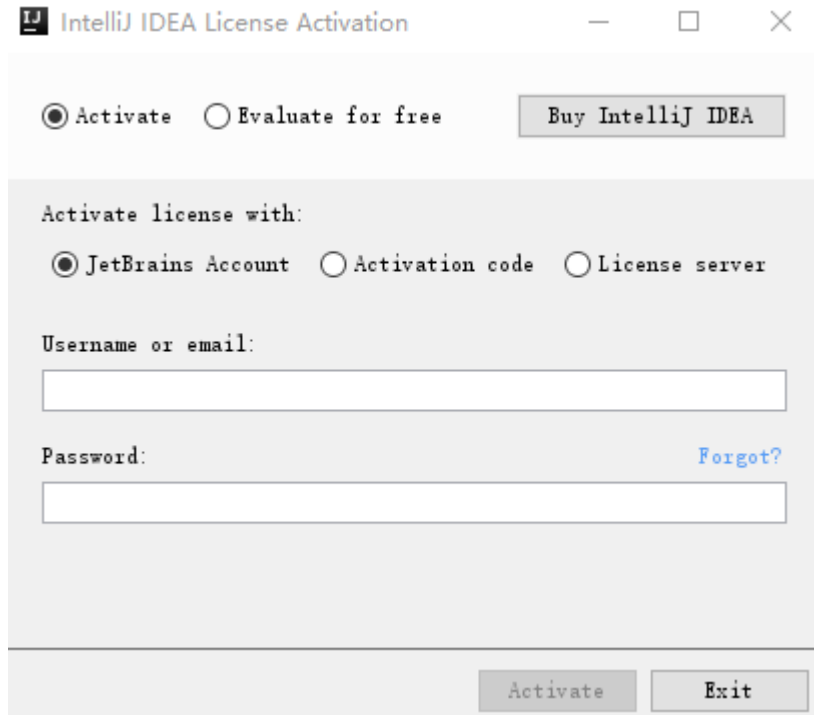
3.3、激活与配置 IDEA 2017

3.3.1、激活 IDEA 2017

双击打开桌面图标：



选择默认；



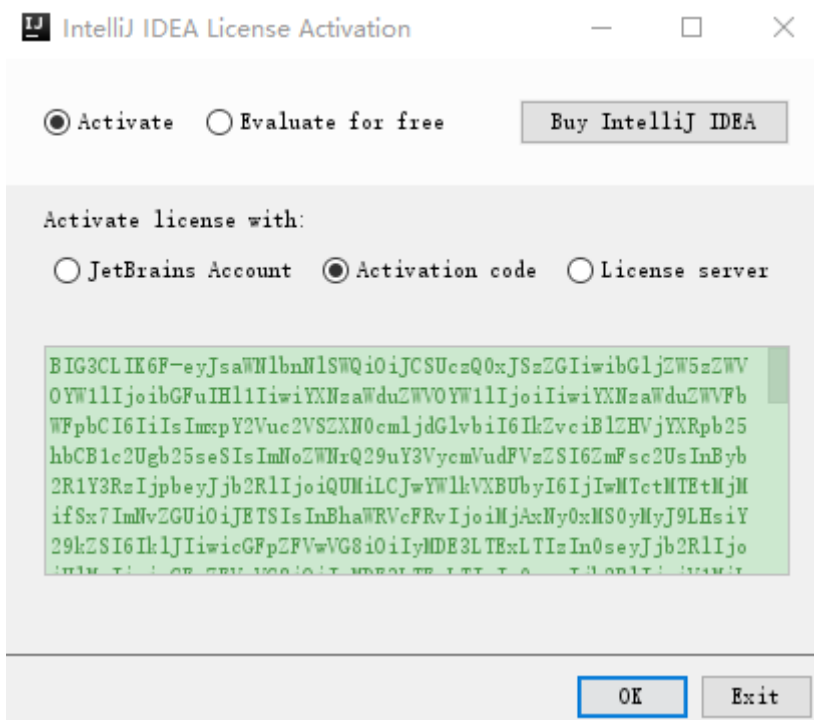
现在要求用户激活操作：

有三种方式激活： 1、email+password 2、code 激活 3、服务器地址激活

激活码:

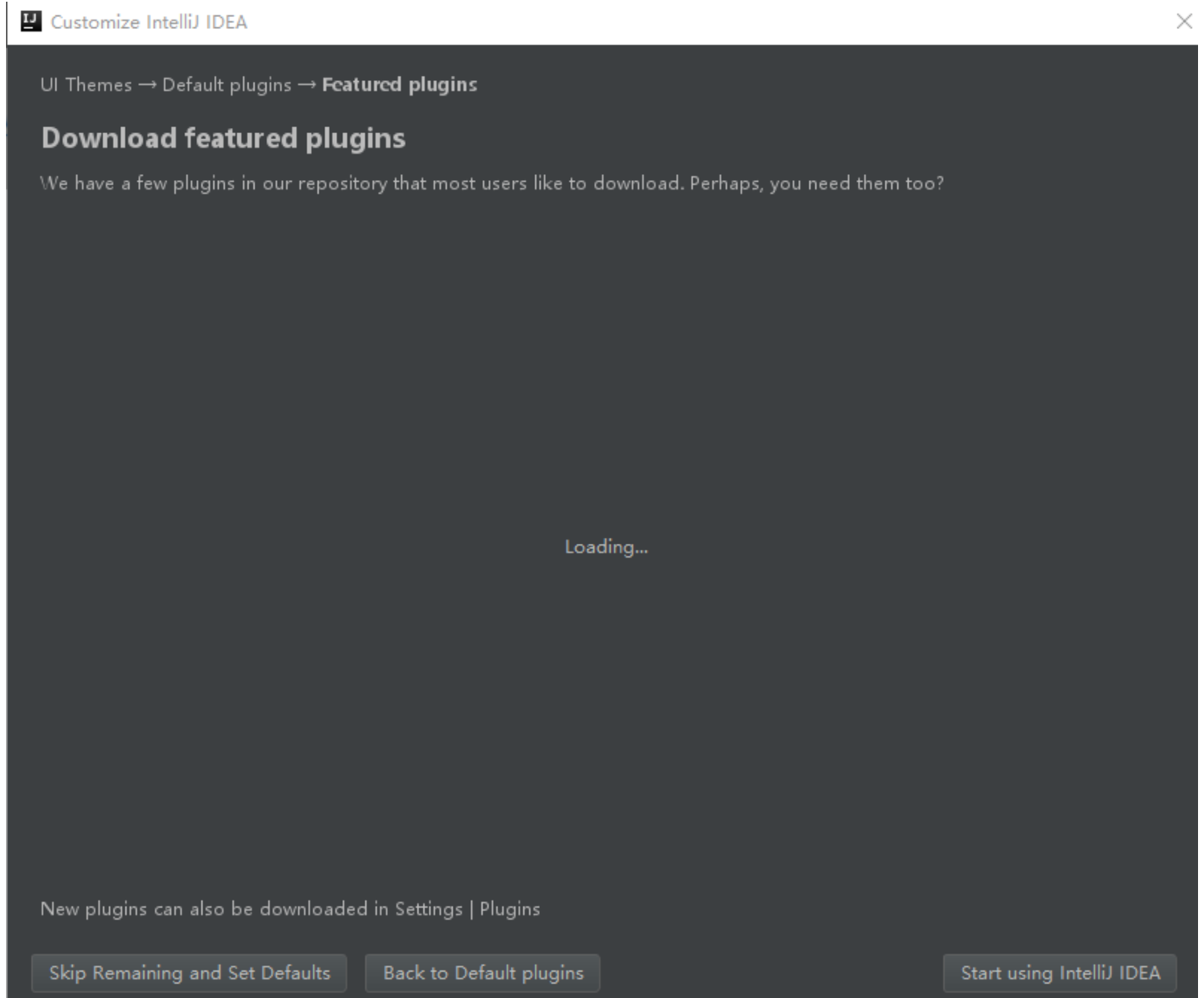
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mFsc2UsInByb2RlY3RzIjpbeYjB2RlIjoQUmILCJwYWlkVXBubyI6IjIwMTctMTctMjMifSx7ImNvZGUiOiJETSIsInBhaWRVcFRvIjoi
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3LTExLTIn0seyJjb2RlIjoIV1MiLCJwYWlkVXBubyI6IjIwMTctMTctMjMifSx7ImNvZGUiOiJEU4IiLCJwYWlkVXBubyI6IjIwMTctMT
ctMjMifSx7ImNvZGUiOiJESQyIsInBhaWRVcFRvIjoiMjAxNy0xMS0yMyJ9LHsiY29kZSI6IiBTIiwicGFpZGVwVG8iOiIyMDE3LTExLT
IzIn0seyJjb2RlIjoIREMiLCJwYWlkVXBubyI6IjIwMTctMTctMjMifSx7ImNvZGUiOiJEQiIsInBhaWRVcFRvIjoiMjAxNy0xMS0yMyJ9L
HsiY29kZSI6IiJNIiwicGFpZGVwVG8iOiIyMDE3LTExLTIn0seyJjb2RlIjoIUEMiLCJwYWlkVXBubyI6IjIwMTctMTctMjMifSx7ImNvZ
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YXZ9AAbBEBOVW71IQR5VWrsqFZ7cg7hLEJ3A==
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MjE0OjE0F0XDTE4MTEwMTA4MjE0F0wETEPMA0GA1UEAwcGCHJvZDN5MIIIBjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKC
AQEAxcQkq+zdXR2mmRYBPzGbUNdMN6OaXiXzxIWtMEkrJMO/5oUfQjBLLuMSMK0QHFmal37WShyxZcfrCidwXjot4zmNBKnl
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GNp3DdJHIO0rCdU+Itv7EmtnSVq9jBG1usMSFvMowR25mju2JcPFp1+I4ZI+FqgR8gyG8oiNDyNEoAbsR3IOpI7grUYsvkB/xVy/VokIPC
K2h0f0GJxJfjnye8NT1PAywoyl7RmiAVRE/EKwIDAQABo4GZMIGWMAkGA1UdEwQCMAAwHQYDVR0OBBYEFGEpG9oZGcfLMG
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C9WZuYgQedSuOc5TOUSrRigMw4/+wuC5EtZBfvd4HT/8vzMW/oUIIP4YcVA0XKjBaCJ2iX+ZCDKoPfYXiaSiH+HxAPV6J79vvoux
KrWg2XV6ShFtPLP+0gPdGq3x9R3+kJbmAm8w+FOdlWqAfJrLvpzMGNeDU14YGXiZ9bVzmlQbwrBA+c/F4tlK/DV07dsNExihqFoibnq
DiVNTGombaU2dDup2gwKdL8l1ua8EicGNExHe82kjF4zwwfadHk3bQVvbfidAwxcDy4xBjs3L4raPLU3yenSsr/OEur1+jfOxnQSmEcMXKX
grAQ9U55gwjcofKrgOxEdek/Sk1VfOjvS+nuM4eyEruFMfaZHzoQiuw4IqgGc45ohFH0UUyYJcuFxxDSU9IMCv8qdHKm+wnPRb0I9I5v
XsCBDuhAGYD6ss+Ga+aDY6f/qXZuUCEUOH3QUNbbCUlviSz6+GiRnt1kA9N2Qachl+2yBfaqUqr8h7Z2gsx5LcIf5kYNsqJ0GavXTVy

Wh7PYiKX4bs354ZQLUwwa/cG++2+wNWP+HtBhVxMRNTdVhSm38AknZID+PTAsWGu9GyLmhti2EnVwGybSD2Dxmhxk3IPCkhKA
K+pl0eWYGZWG3tJ9mZ7SowcXLWDFAk0IRJnKGfMTggrWjV8GYpw5bq23VmIqqDLgkNzuoog==



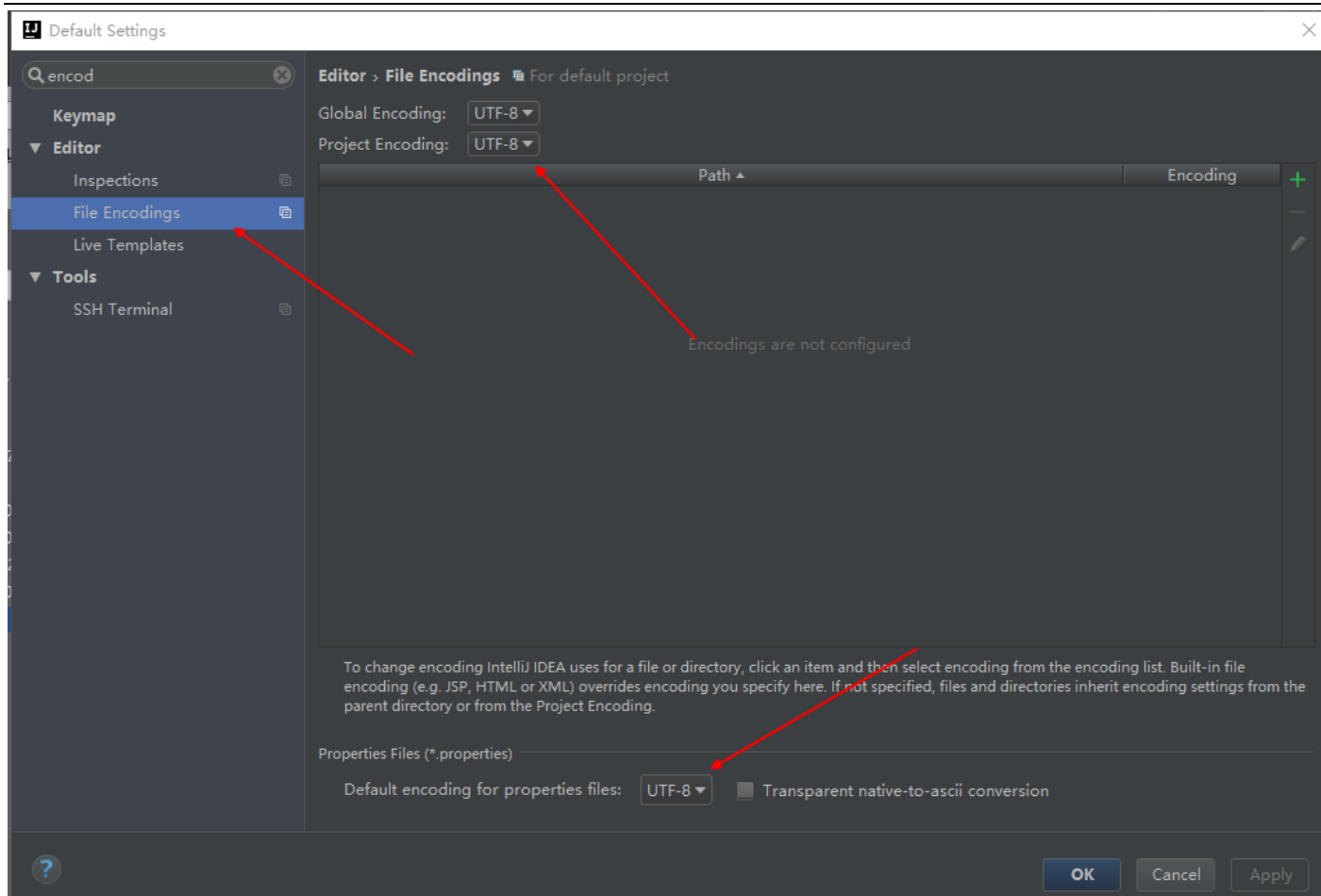
选择 OK 后程序激活:

一直选择下一步:

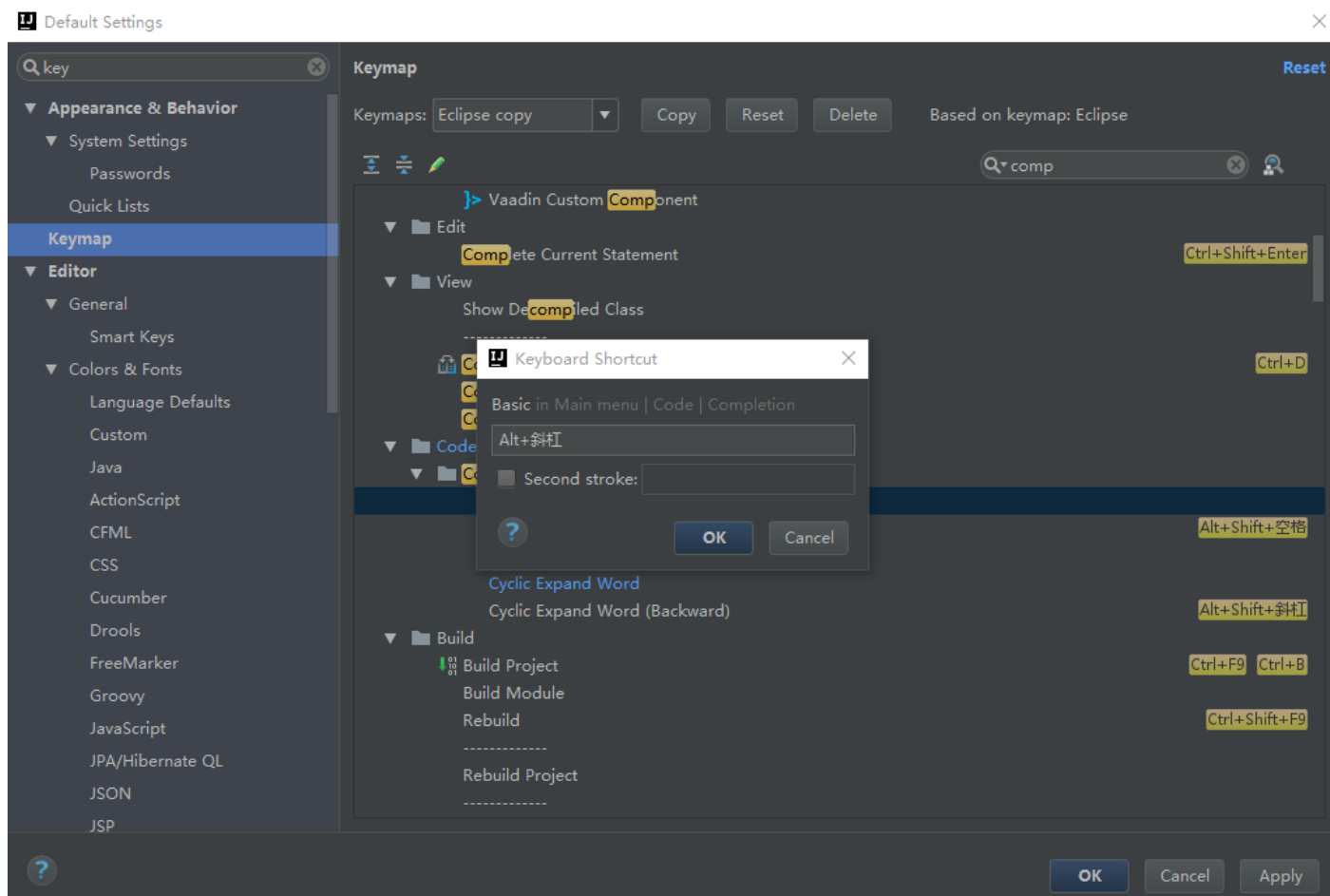


3.3.2、配置 IDEA

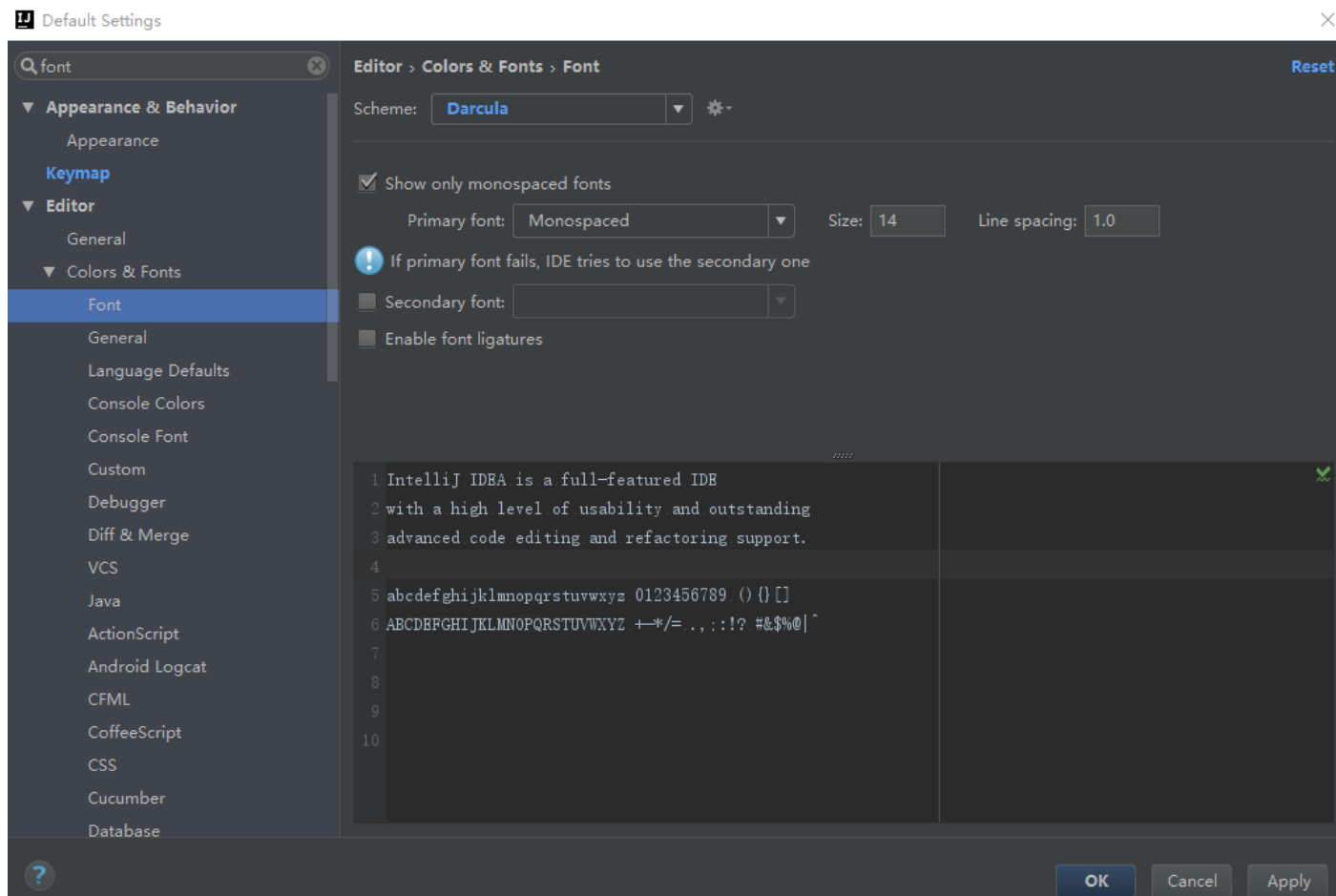
配置编码：



配置快捷键:

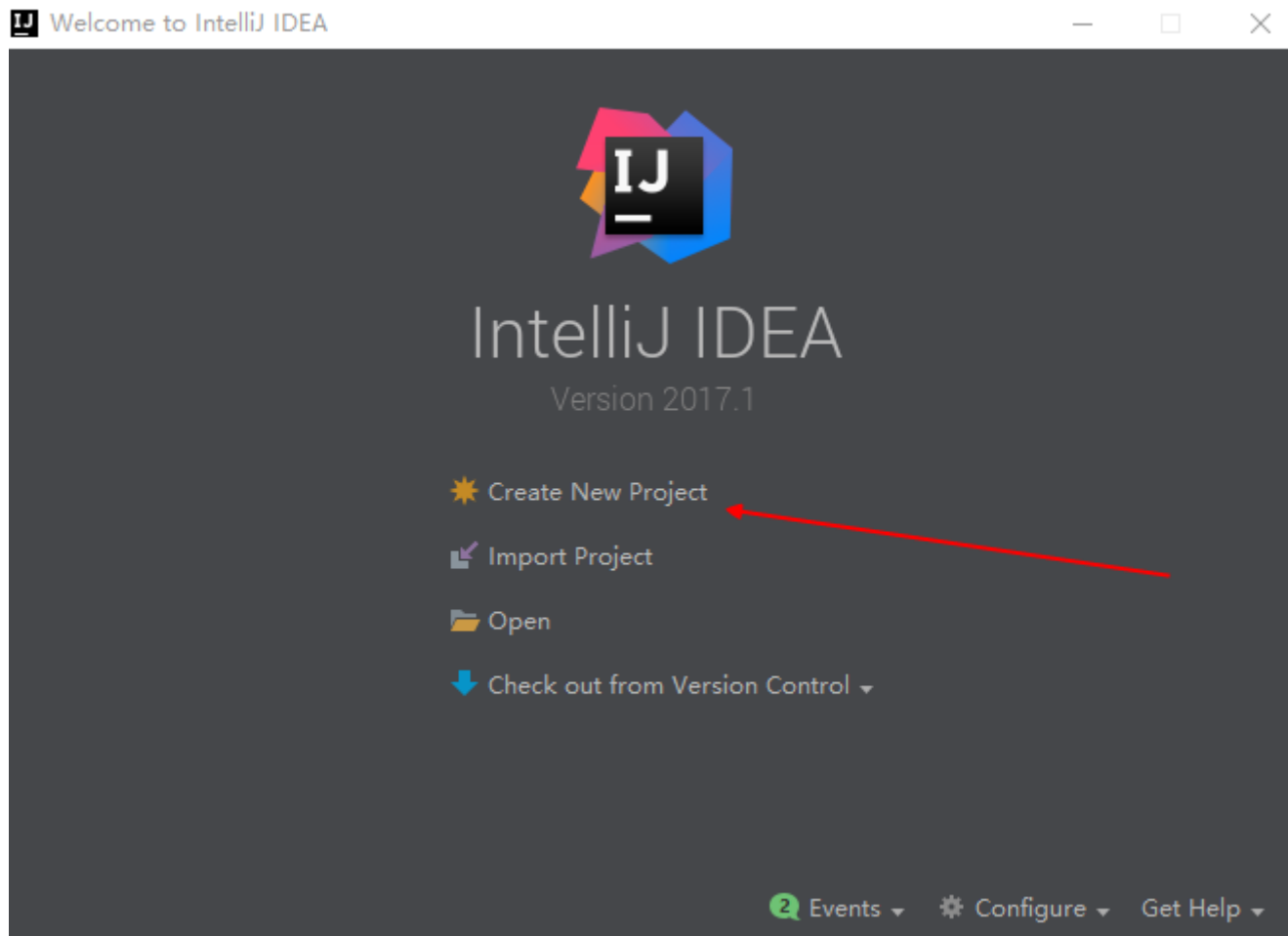


设置字体大小:

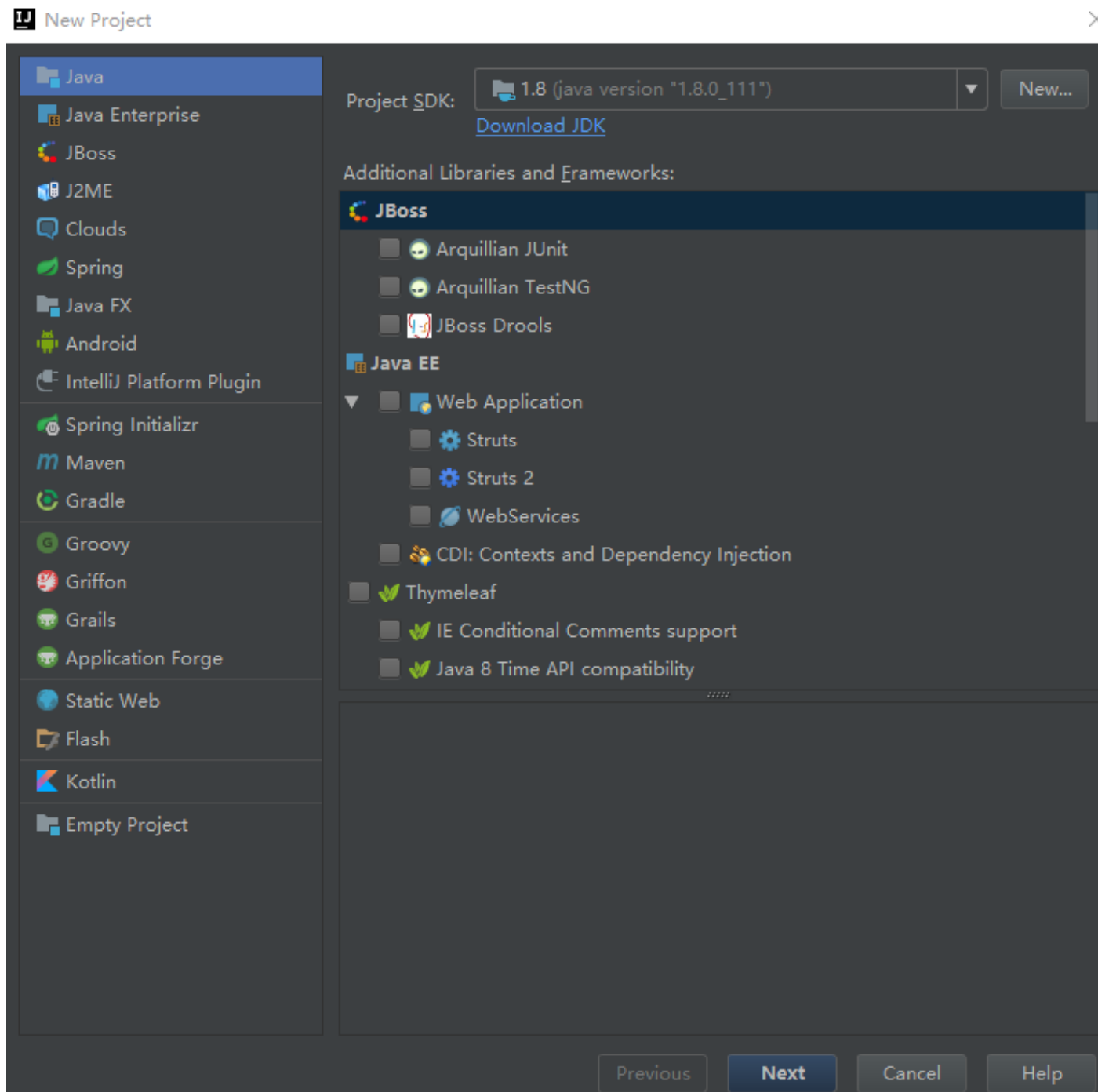


3.4、创建 JAVA 项目

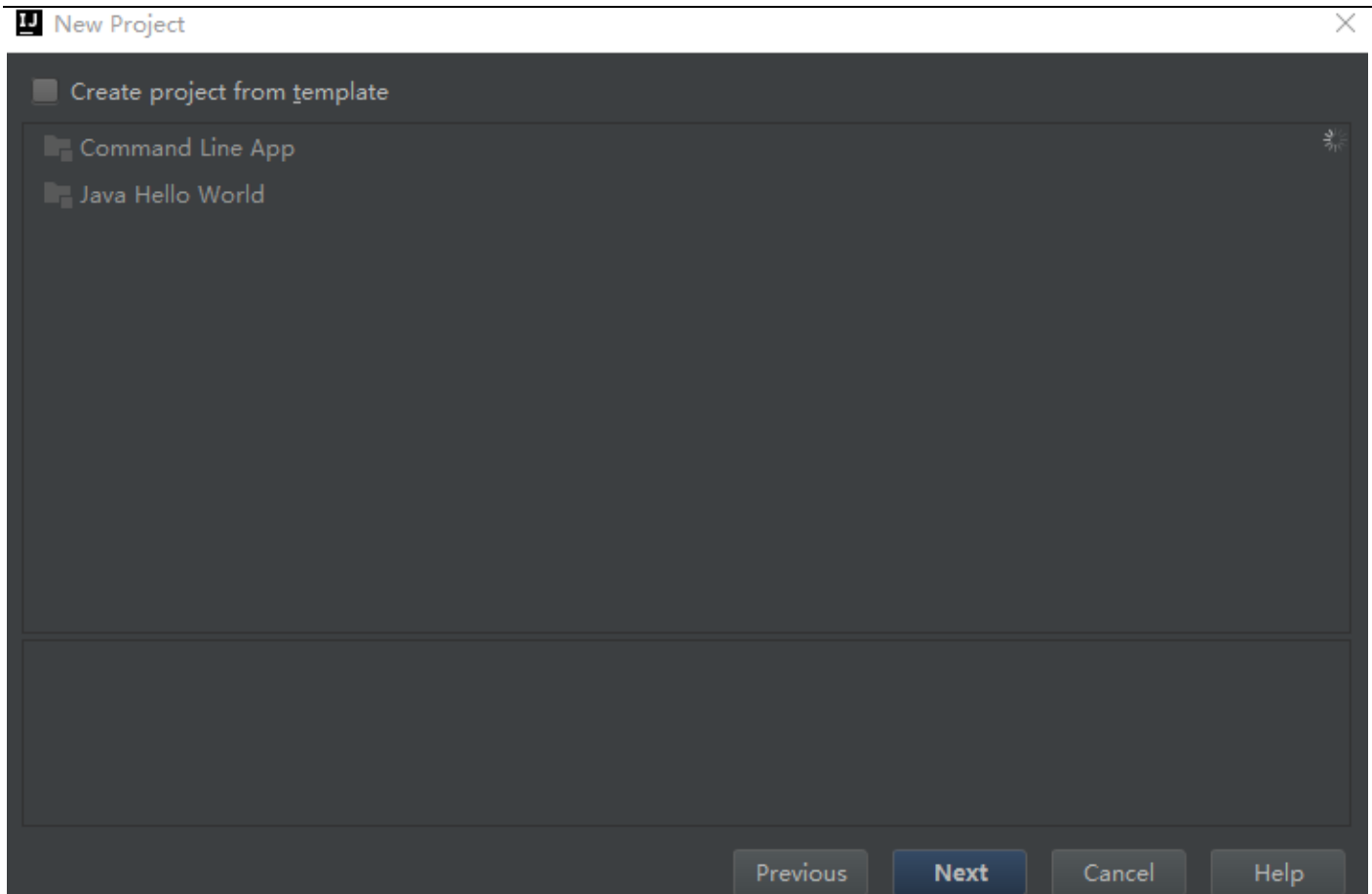
选择 create new project:



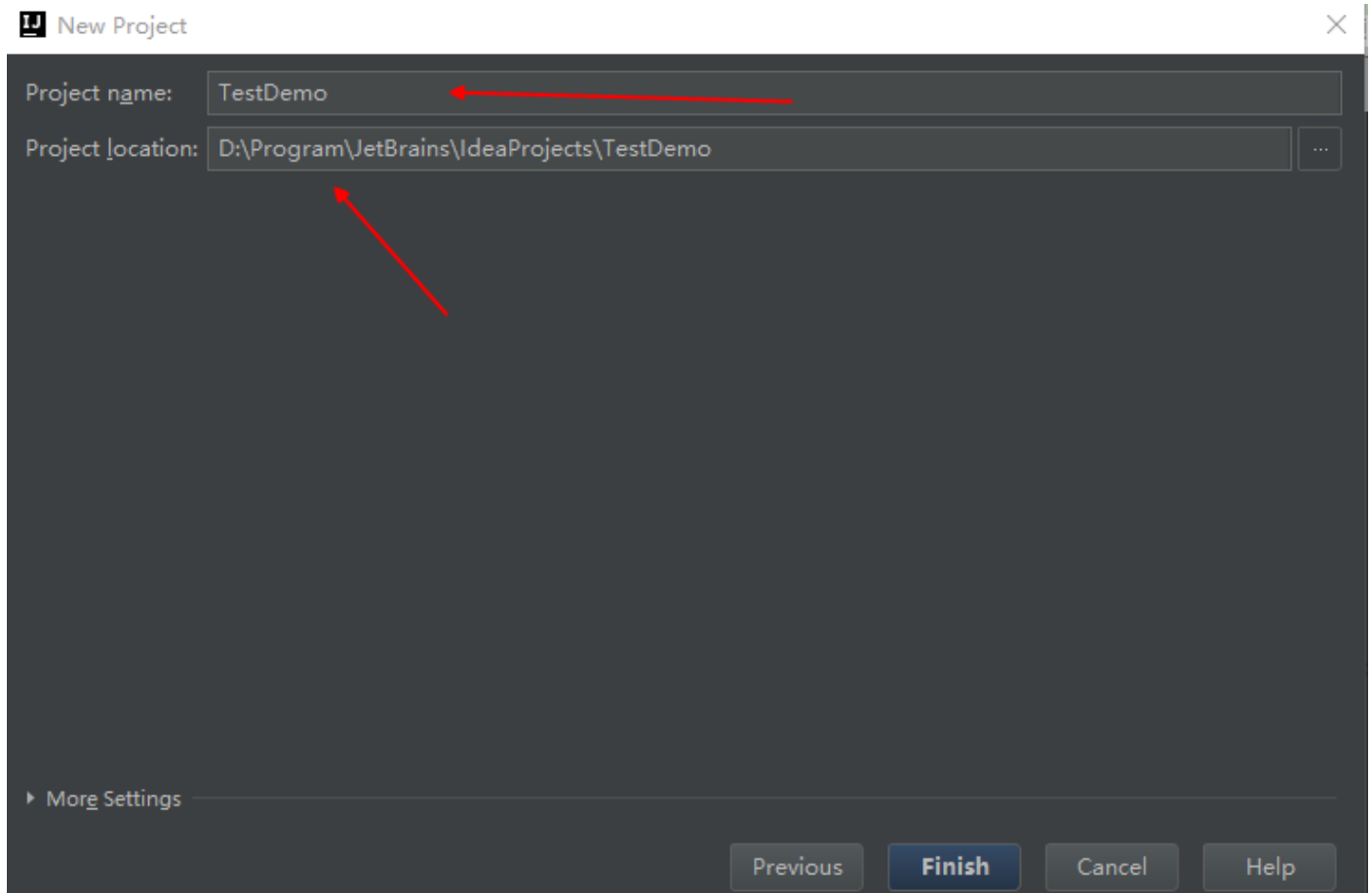
配置 JDK:



配置完成后选择下一步:



询问用户是否需要创建模板：



为项目命名，并设置保存路径，选择完成就可以实现项目的创建；

在使用 IDEA 开发工具第一创建项目是比较慢的，需要构建项目环境。

范例：创建 java 文件

```
package cn.ylcto.demo;

public class Hello {
    public static void main(String[] args) {
        System.out.println("hello world !");
    }
}
```

Run Hello

D:\Program\Java\jdk1.8.0_111\bin\java ...
hello world !

Process finished with exit code 0

Compilation completed successfully in 13s 662ms (moments ago)

3.5、创建 WEB 项目

使用 IDEA 2017 创建 web 项目：

Tomcat 下载与配置：

下载页面：<http://tomcat.apache.org/download-80.cgi>

Calculate a checksum for your download, and make sure it is the same as ours.

Mirrors

You are currently using <http://apache.fayea.com/>. If you encounter a problem with mirrors (at the end of the mirrors list) that should be available.

Other mirrors:

8.5.12

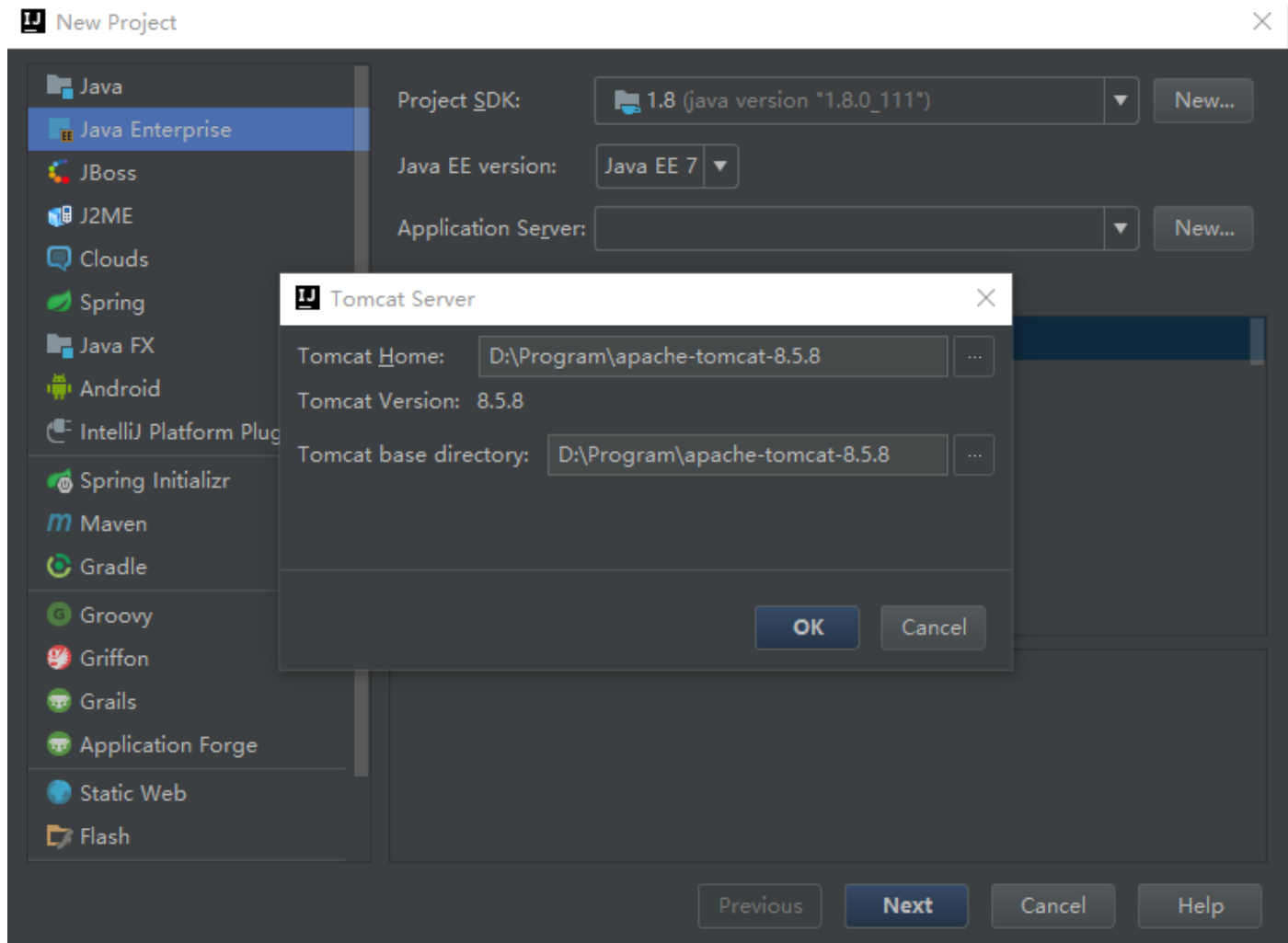
Please see the [README](#) file for packaging information. It explains what every distribu

Binary Distributions

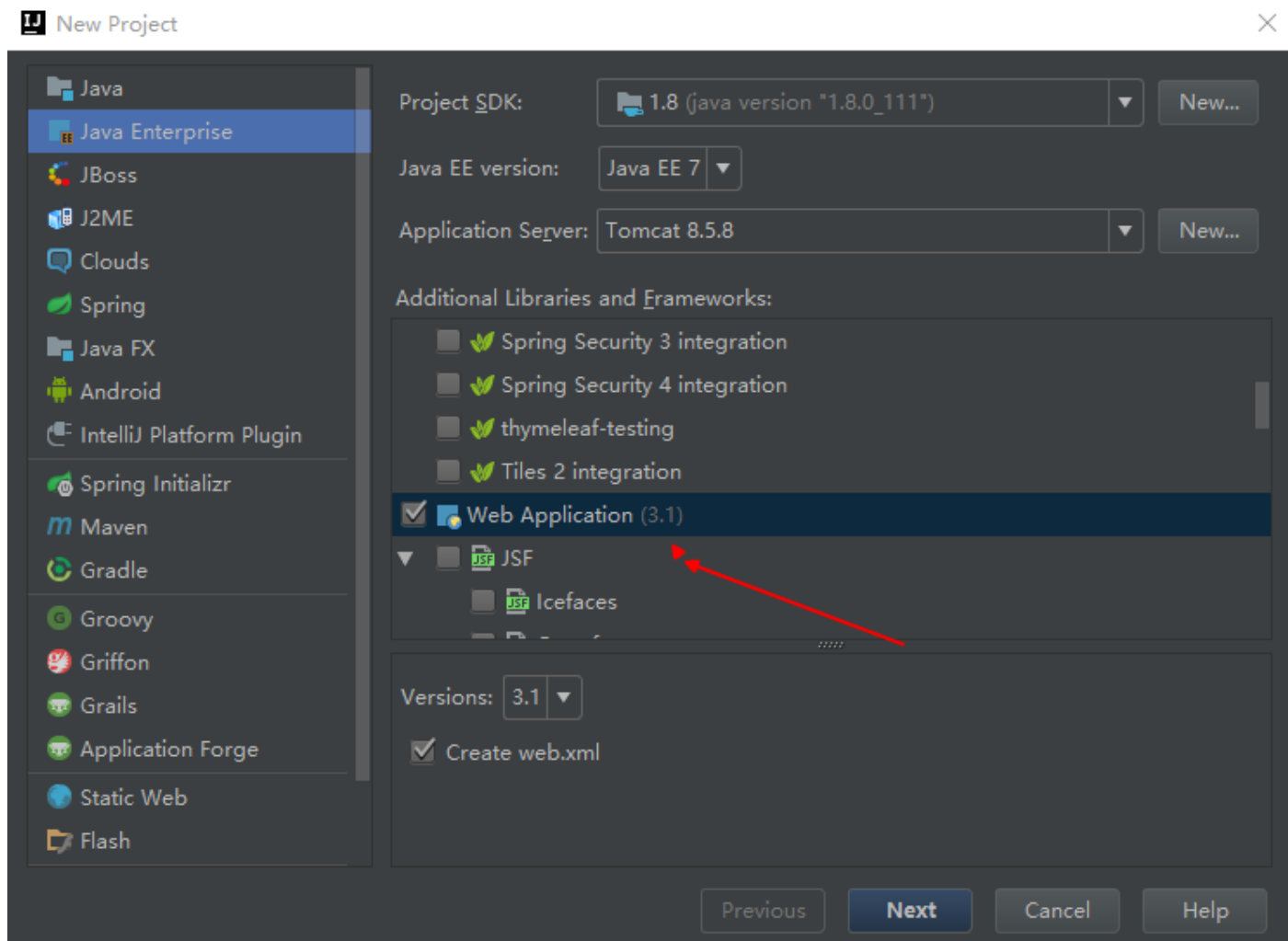
- Core:
 - [zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [tar.gz](#) ([pgp](#), [md5](#), [sha1](#))
 - [32-bit Windows zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [64-bit Windows zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [32-bit/64-bit Windows Service Installer](#) ([pgp](#), [md5](#), [sha1](#))
- Full documentation:
 - [tar.gz](#) ([pgp](#), [md5](#), [sha1](#))
- Deployer:
 - [zip](#) ([pgp](#), [md5](#), [sha1](#))
 - [tar.gz](#) ([pgp](#), [md5](#), [sha1](#))

配置端口，修改 server.xml 中 8080 为 80 端口：

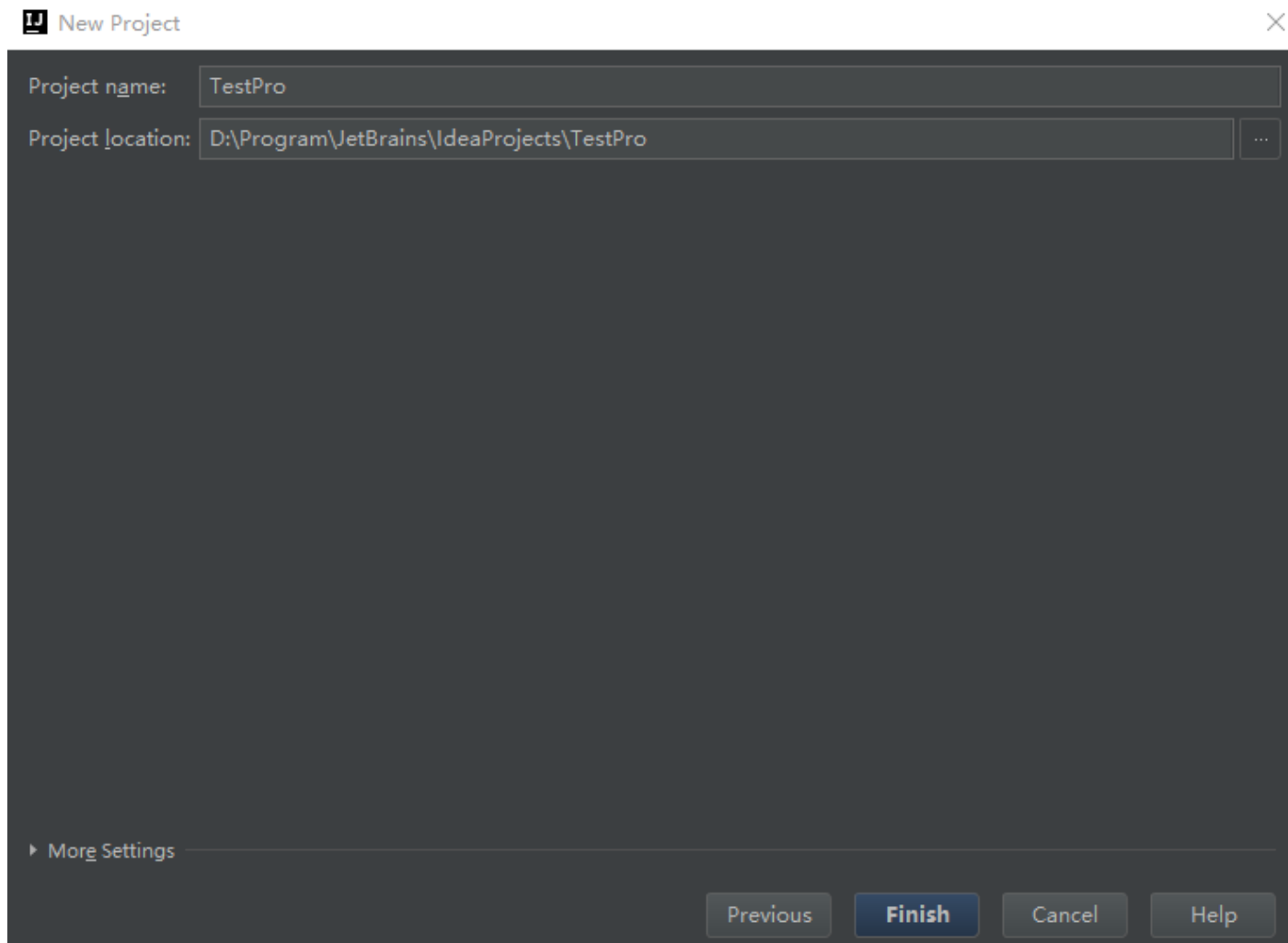
```
<Connector port="80" protocol="HTTP/1.1"
    connectionTimeout="20000"
    redirectPort="8443" />
```



需要选择服务器:



为项目命名并设置默认的项目保存路径:



范例：定义 index.jsp 页面

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
  <head>
    <title>$Title$</title>
  </head>
  <body>
    <h1>Hello World !</h1>
  </body>
</html>
```

Hello World !

3.6、使用 Maven 搭建 WEB 项目

了解 maven:

下载地址: <http://maven.apache.org/download.cgi>

Files

Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you intend to build Maven yourself.

In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the public [KEYS](#) used by Apache Maven developers.

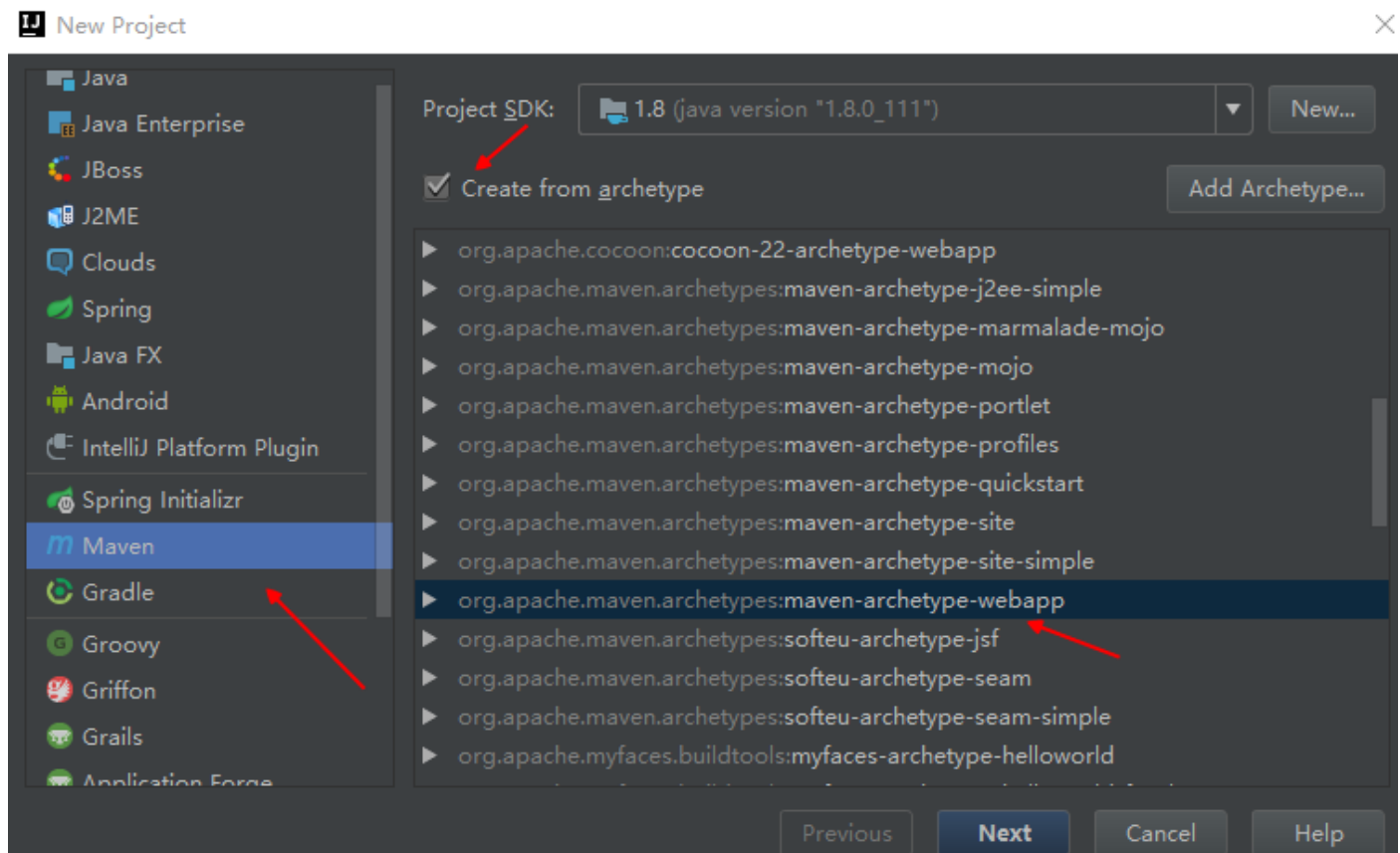
	Link	Checksum	Signature
Binary tar.gz archive	apache-maven-3.3.9-bin.tar.gz	apache-maven-3.3.9-bin.tar.gz.md5	apache-maven-3.3.9-bin.tar.gz.asc
Binary zip archive	apache-maven-3.3.9-bin.zip	apache-maven-3.3.9-bin.zip.md5	apache-maven-3.3.9-bin.zip.asc
Source tar.gz archive	apache-maven-3.3.9-src.tar.gz	apache-maven-3.3.9-src.tar.gz.md5	apache-maven-3.3.9-src.tar.gz.asc
Source zip archive	apache-maven-3.3.9-src.zip	apache-maven-3.3.9-src.zip.md5	apache-maven-3.3.9-src.zip.asc

- [Release Notes](#)
- [Reference Documentation](#)


配置 `apache-maven-3.3.9\conf\settings.xml`

```
<localRepository>D:\Program\Repository</localRepository>
```

创建项目：



选择下一步：

 New Project ✕

GroupId

cn.ylcto

☒ Inherit

ArtifactId

demo

Version

1.0-SNAPSHOT

☒ Inherit


Previous

Next

Cancel

Help

选择下一步:

 New Project ✕

Maven home directory:

D:\Program\apache-maven-3.3.9

(Version: 3.3.9)

User settings file:

D:\Program\apache-maven-3.3.9\conf\settings.xml

☒ Override

Local repository:

D:\Program\Repository

☐ Override

Properties

groupId	cn.ylcto	+
artifactId	demo	-
version	1.0-SNAPSHOT	
archetypeGroupId	org.apache.maven.archetypes	
archetypeArtifactId	maven-archetype-webapp	
archetypeVersion	RELEASE	

Previous

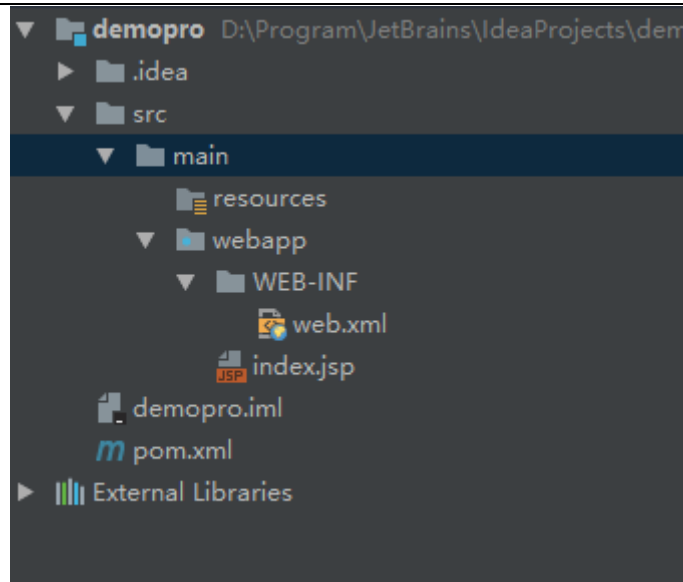
Next

Cancel

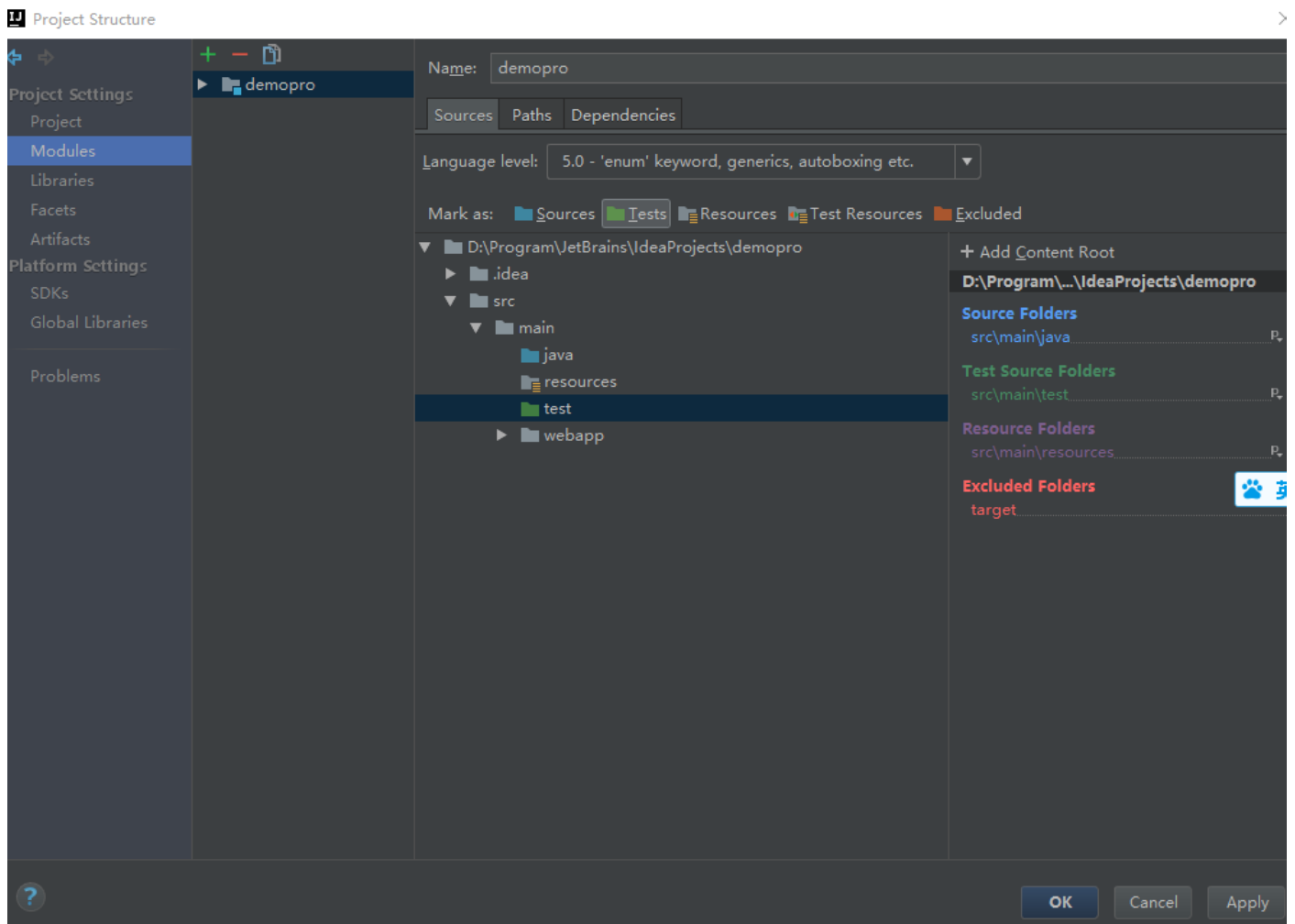
Help

继续选择下一步，点击完成即可；

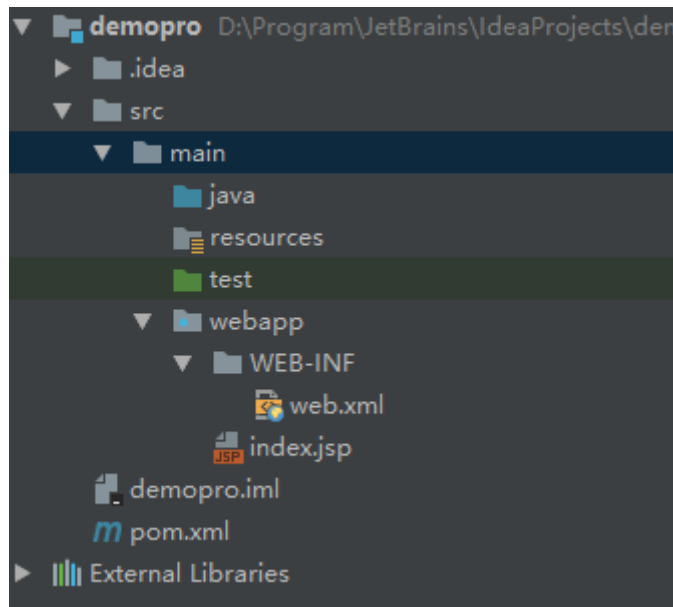
项目目录结构：



创建 java 文件夹和测试文件夹:



目录结构:



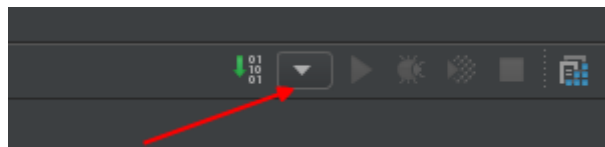
范例：创建 java 文件

```
package cn.ylcto.vo;

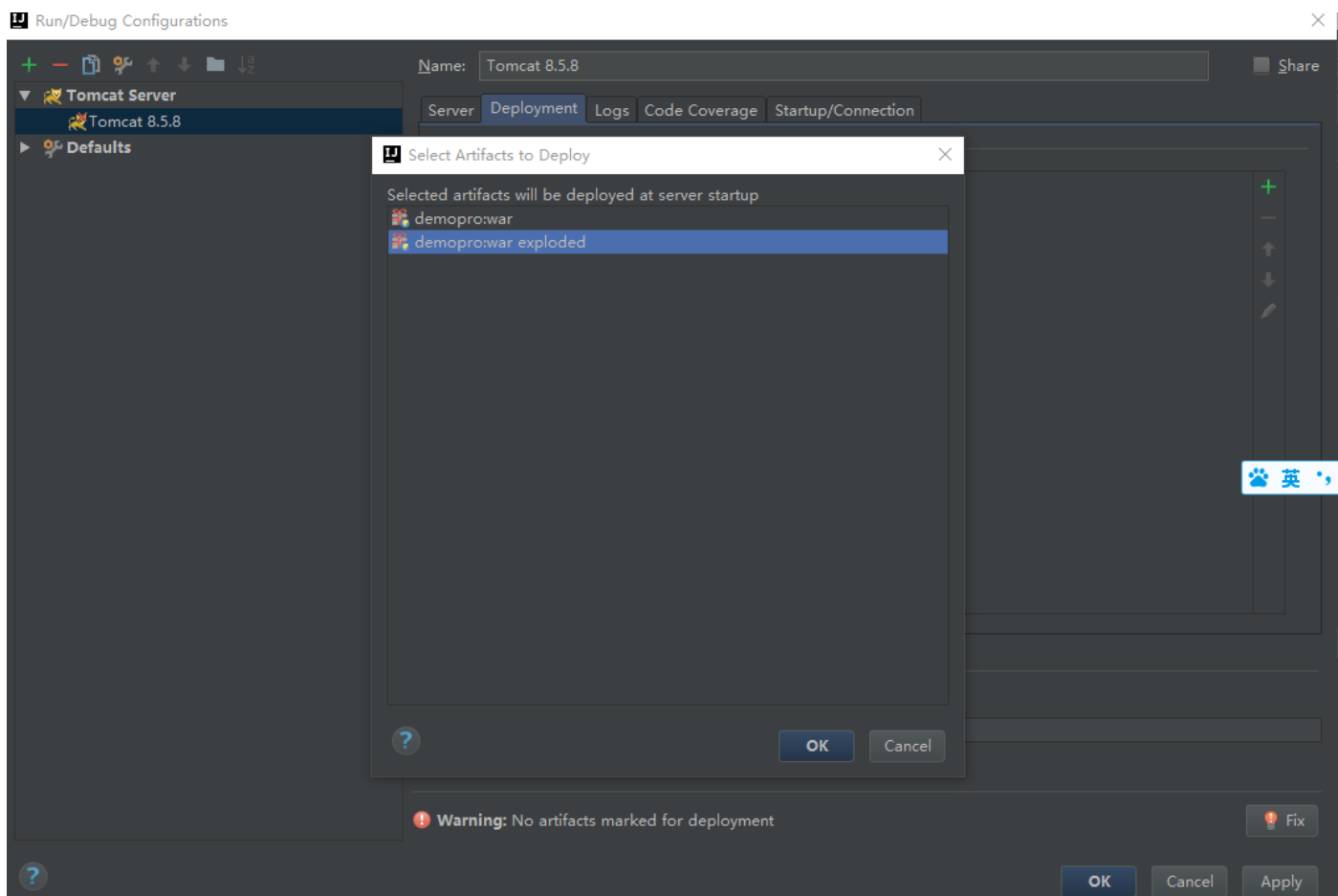
import java.io.Serializable;

public class Member implements Serializable {
}
```

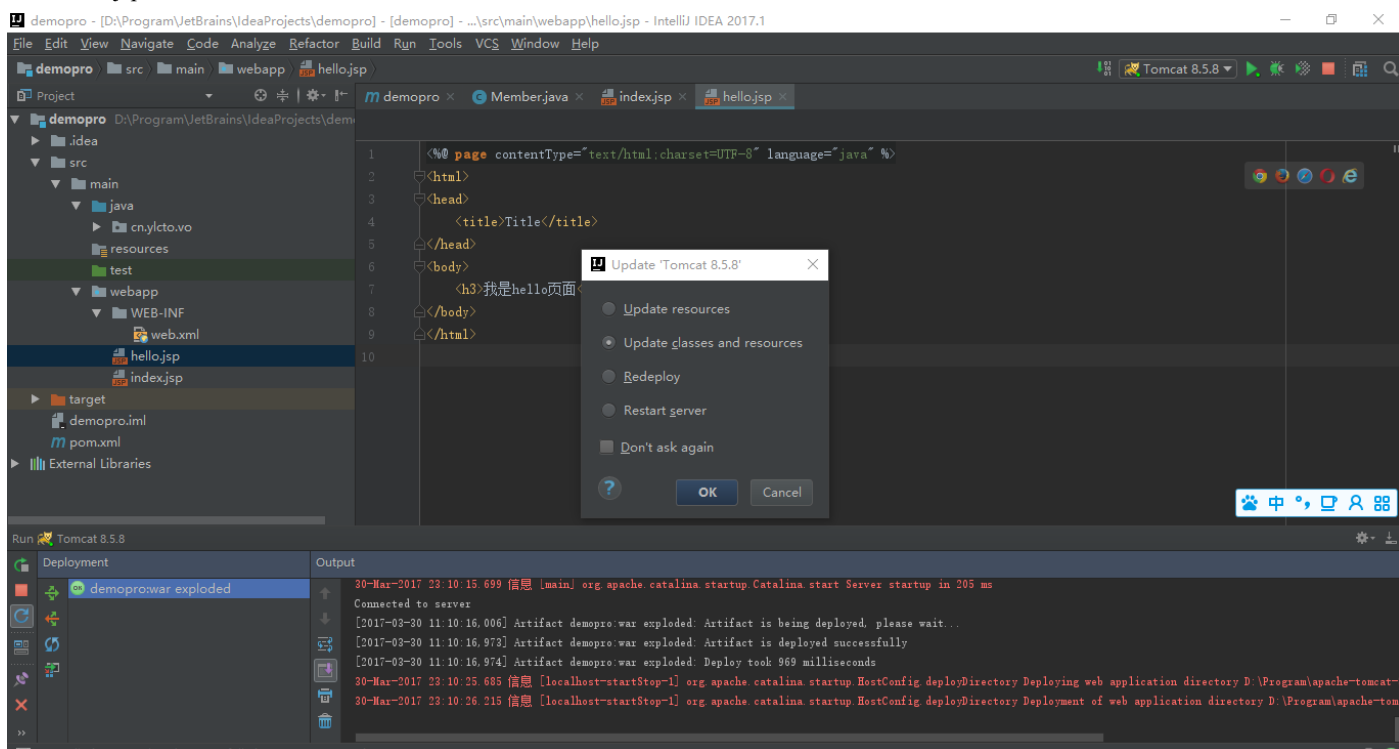
继续配置 Tomcat:



修改 tomcat 名称后加入 war 包:



创建 hello.jsp 页面



范例：hello.jsp 页面

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Title</title>
</head>
<body>
```

```
<h3>我是 hello 页面</h3>  
</body>  
</html>
```

4、总结

下载与配置 IDEA 2017,三种激活方式。使用 IDEA 创建项目。