

简介：

Spring Boot是由Pivotal团队提供的全新框架，其设计目的是用来简化新Spring应用的初始搭建以及开发过程。该框架使用了特定的方式来进行配置，从而使开发人员不再需要定义样板化的配置。通过这种方式，Spring Boot致力于在蓬勃发展的快速应用开发领域(rapid application development)成为领导者。

功能：

1. 创建独立的Spring应用程序，运行一个spring boot程序 只需要 当做一个jar包运行即可。 `java -jar xx.jar`
2. 嵌入的Tomcat, jetty等，无需部署WAR文件。
3. 简化Maven配置
4. 自动配置Spring
5. 提供了准生产环境的监控。提供了基于ssh, telnet, http的方式对运行环境进行监控
6. 绝对没有代码生成和对XML没有要求配置，使用大量注解或者java配置即可，不需要xml

总结：就是简化开发。

环境准备：

需要安装如下图的一个eclipse插件。

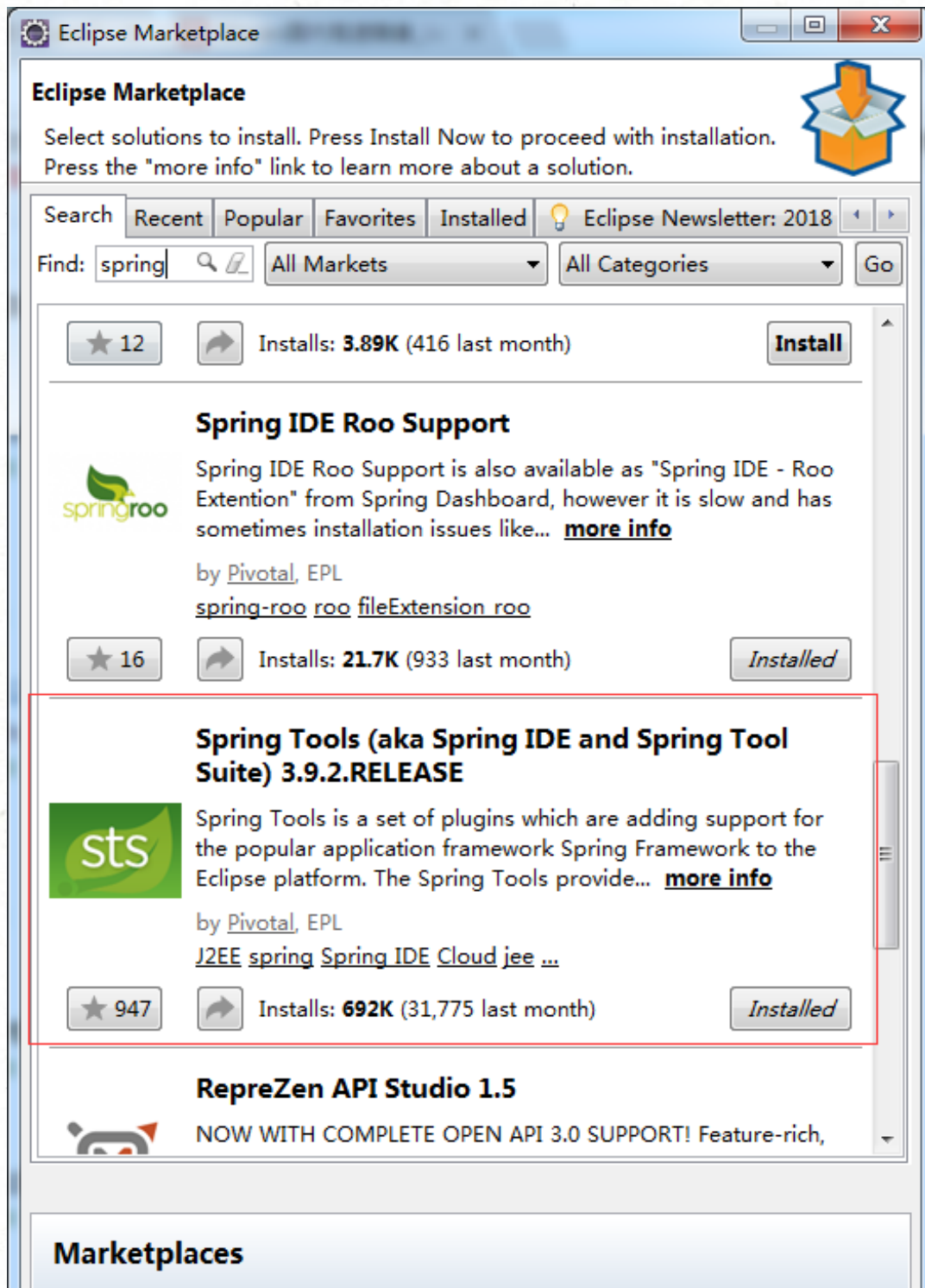
打开 eclipse 菜单 help - > eclipse marketplace 然后 如图 搜索 spring 找到图中的进行安装即可。

ps：可以预先配置 阿里云的 maven 仓库，这样 下载会快一些。国外太慢了。

安装阿里云 的maven仓库地址 把下面的这段复制到 maven的 setting.xml 文件下即可：

```
<mirror>
  <id>alimaven</id>
  <name>aliyun maven</name>
```

```
<url>http://maven.aliyun.com/nexus/content/groups/public/</url>  
<mirrorOf>central</mirrorOf>  
</mirror>
```



The screenshot shows the Eclipse Marketplace interface. At the top, there's a title bar 'Eclipse Marketplace' and a search bar with 'spring' entered. Below the search bar, there are tabs for 'Recent', 'Popular', 'Favorites', and 'Installed'. The 'Installed' tab is selected. The search results are displayed below the tabs. The first result is 'Spring IDE Roo Support' with 12 stars and 3.89K installs. The second result is 'Spring Tools (aka Spring IDE and Spring Tool Suite) 3.9.2.RELEASE' with 16 stars and 21.7K installs. The third result is 'RepreZen API Studio 1.5' with 947 stars and 692K installs. The 'Spring Tools' entry is highlighted with a red box. The 'RepreZen API Studio' entry is partially visible at the bottom.

Eclipse Marketplace


Select solutions to install. Press Install Now to proceed with installation. Press the "more info" link to learn more about a solution.

Search Recent Popular Favorites Installed Eclipse Newsletter: 2018

Find: All Markets All Categories Go

★ 12 Installs: **3.89K** (416 last month) **Install**


Spring IDE Roo Support

 Spring IDE Roo Support is also available as "Spring IDE - Roo Extension" from Spring Dashboard, however it is slow and has sometimes installation issues like... [more info](#)

by [Pivotal](#), EPL
[spring-roo](#) [roo](#) [fileExtension](#) [roo](#)

★ 16 Installs: **21.7K** (933 last month) **Installed**


Spring Tools (aka Spring IDE and Spring Tool Suite) 3.9.2.RELEASE

 Spring Tools is a set of plugins which are adding support for the popular application framework Spring Framework to the Eclipse platform. The Spring Tools provide... [more info](#)

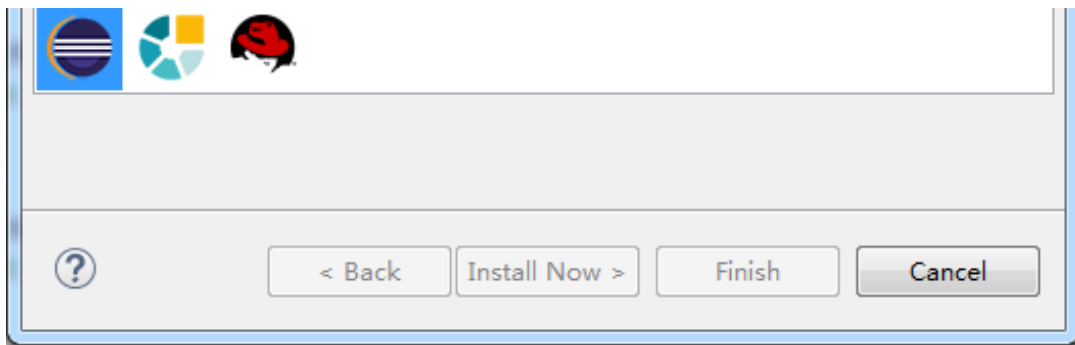
by [Pivotal](#), EPL
[J2EE](#) [spring](#) [Spring IDE](#) [Cloud](#) [jee](#) ...

★ 947 Installs: **692K** (31,775 last month) **Installed**

RepreZen API Studio 1.5

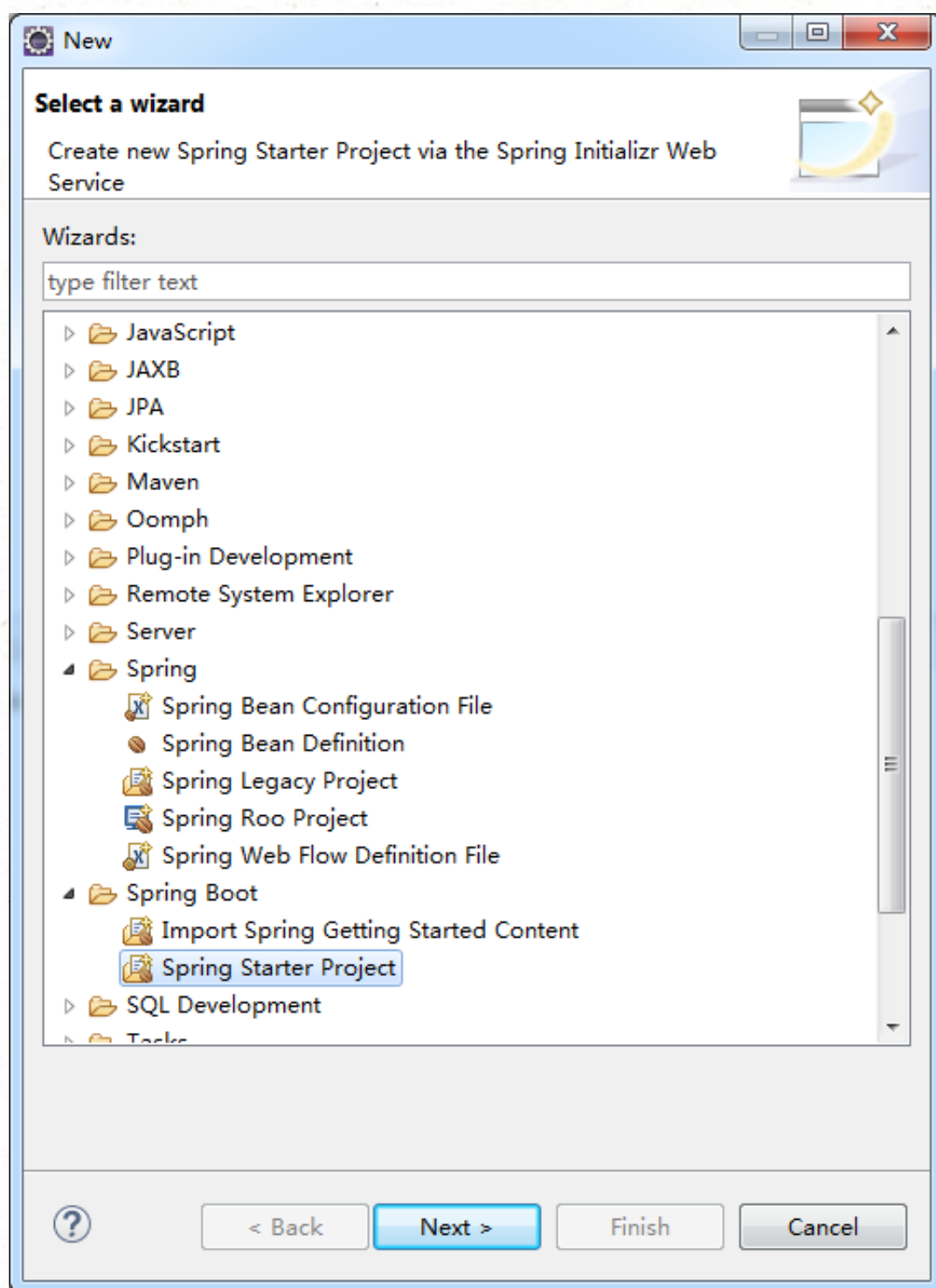
 NOW WITH COMPLETE OPEN API 3.0 SUPPORT! Feature-rich,

Marketplaces

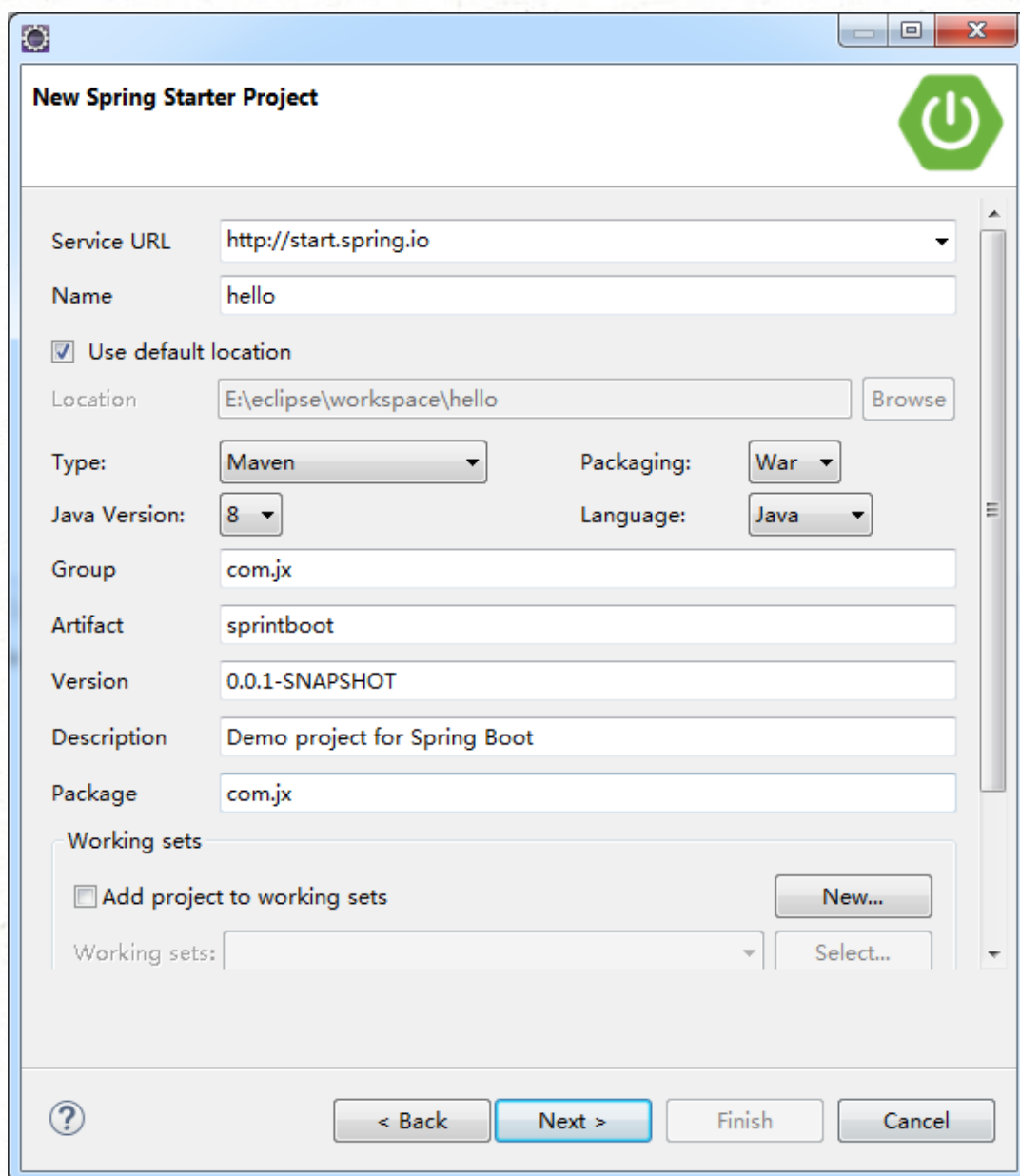


新建一个spring boot项目 -- hello

新建项目



填写配置：项目名称，maven相关group， 打包方式等



The screenshot shows the 'New Spring Starter Project' dialog box in the Eclipse IDE. The dialog has a title bar with standard window controls and a green power button icon in the top right corner. The main area contains several input fields and checkboxes for configuring a new project. At the bottom, there are navigation buttons: '< Back', 'Next >', 'Finish', and 'Cancel'. A vertical scrollbar is visible on the right side of the dialog.

New Spring Starter Project

Service URL:

Name:

☒ Use default location

Location:

Type: Packaging:

Java Version: Language:

Group:

Artifact:

Version:

Description:

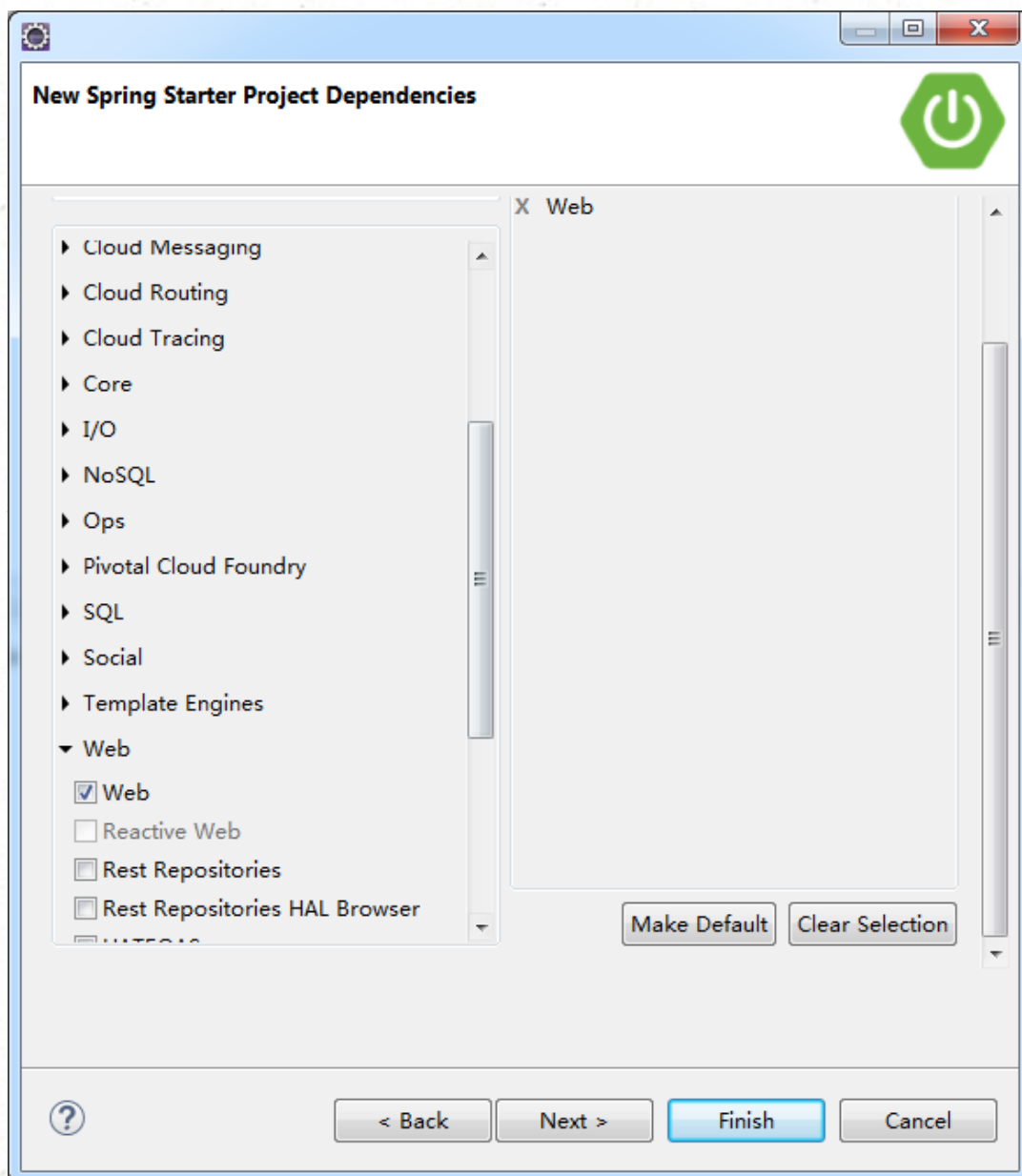
Package:

Working sets

☐ Add project to working sets

Working sets:

启动依赖：这里只选择一个 web，在右侧会列出选择的



新建一个 Controller

```
package com.jx.controller;
```

```
import org.springframework.stereotype.Controller;
```

```
import org.springframework.web.bind.annotation.RequestMapping;
```

```
import org.springframework.web.bind.annotation.ResponseBody;
```

```
@Controller
```

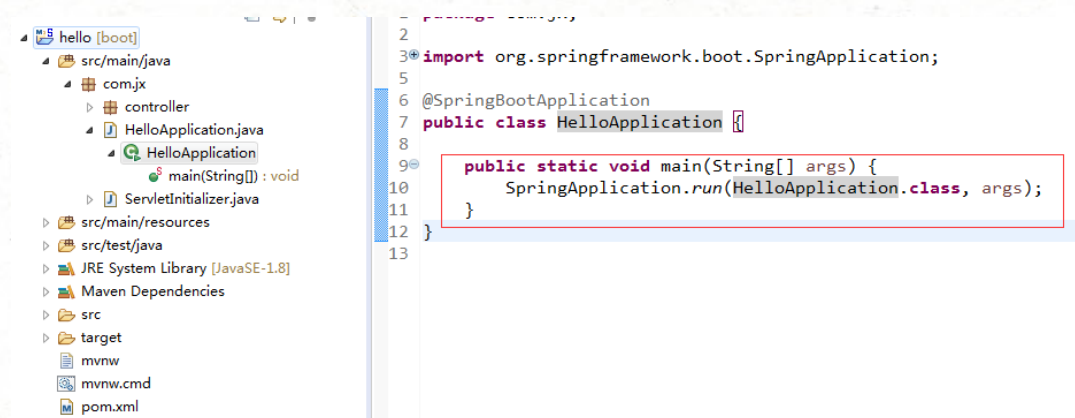
```

public class HelloController {

    @RequestMapping("hello")
    @ResponseBody
    public String sayHello() {
        return "hello spring boot";
    }
}

```

以spring boot的方式启动



右键 spring boot app启动即可。

启动成功可以看到效果如下：



如果遇到错误 **The Bean Validation API is on the classpath but no implementation could be**

found

先看看是否所有的包都下载完了，并且没有下载失败的。如果有失败的需要清理重新下载，参考maven文件中的下载错误 批量解决方案

[http://note.youdao.com/noteshare?](http://note.youdao.com/noteshare?id=367c9901b284895ece661c2c8443a3d8&sub=CE540390886F48FF92167735C0C0091B)

[id=367c9901b284895ece661c2c8443a3d8&sub=CE540390886F48FF92167735C0C0091B](http://note.youdao.com/noteshare?id=367c9901b284895ece661c2c8443a3d8&sub=CE540390886F48FF92167735C0C0091B)