Spring Tools |4

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Prerequisite

- Install Java JDK
- Set Environments; PATH, ...

```
// 설치 후 shell에서 자바 버전 확인
$ java -version

// change directory @mac
$ cd /Library/Java/JavaVirtualMachines/

// JAVA_HOME path 설정
// Shell이 bash인 경우 path 설정
$ vi ~/.bash_profile

// 환경 변수 설정 후 jdk 버전 확인
$ java -version
```

```
export
JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_311.jdk/Contents/Home
```

for Eclipse

Settings

1. Download jar file
2. Unpack jar file
3. Executable Folder; <jar filename folder>/contents
4. Edit **SpringToolSuite4.ini** file
    - -vm; specify javaw.exe with full path
    - -javaagent; add lonbok.jar with full path
    - ? -Dosgi.requiredJavaVersion; 1.8? 11?

```
-startup
plugins/org.eclipse.equinox.launcher_1.5.700.v20200207-2156.jar
--launcher.library
plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.1200.v
20200508-1552
-product
org.springframework.boot.ide.branding.sts4
```

```
--launcher.defaultAction
openFile
-vm
C:/..../java-1.8.0-openjdk-1.8.0.212-1/bin/javaw.exe
-vmargs
-Dosgi.requiredJavaVersion=1.8
-Dosgi.dataAreaRequiresExplicitInit=true
-Xms256m
-Xmx2048m
--add-modules=ALL-SYSTEM
-javaagent:C:\....\lombok.jar
```

Open Project

1. Open Workspace
2. Import Project(Package Explorer)
3. Select Project Type(Gradle | Maven)
4. Browse Project Root Directory
5. Check Imported Packages in Package Explorer
6. STS4; [Window] → [Show View] → [Project Explorer]
7. Change Text File Encoding; [Preferences] → [General > Workspace] →
    - Text file encoding; Other: **UTF-8**
    - New text file line delimiter; Oterh: **Unix**

Run

- [Boot Dashboard]
    - select a package & run

Lombok

> Project Lombok

- [Lombok] 롬복 설치 및 STS(eclipse) 연동하기

command line argument

- 실행 시 워크스페이스 지정

```
C:\ustra\tools\Java\sts-4.7.1.RELEASE\SpringToolSuite4.exe -data
C:\Framework-Guide\
```

for Visual Studio Code

Install Extensions

- Extension Pack for Java by Microsoft
- ~~Spring Boot Tools by Pivotal~~ Spring Boot Extension Pack by Pivotal

Create Project

- Command Palette (⌘ + ⇧ + P, Ctrl+Shift+P); spring initializr
  1. Choose One(Add Starters/Create a Gradle Project/Create a Maven Project)
  2. Specify Spring Boot version;
  3. Specify prject language; Java / Kotlin / Groovy
  4. Input Group Id; com.example
  5. Input Artifact Id; demo
  6. Specify packaging type; Jar / War
  7. Specify Java version; 11/ 17 / 8
  8. Search for dependencies;
     - **Spring Boot DevTools** (*)
     - **Spring Web** (*)
  9. Choose Directory to make a project
- [spring-boot] Visual Studio Code 에서 스프링 부트 프로젝트 개발하기

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