

00-Spring IDE



JAVA IDE

SPRING , STS(Spring Tool Suite) IDE .

+ .

TOOLS

Spring Tool Suite™ Downloads

Use one of the links below to download an all-in-one distribution for your platform.
Or check the list of [previous Spring Tool Suite™ versions](#).



STS 3.9.2.RELEASE

[New & Noteworthy](#)



Windows

Based on Eclipse 4.7.2



Mac

Based on Eclipse 4.7.2



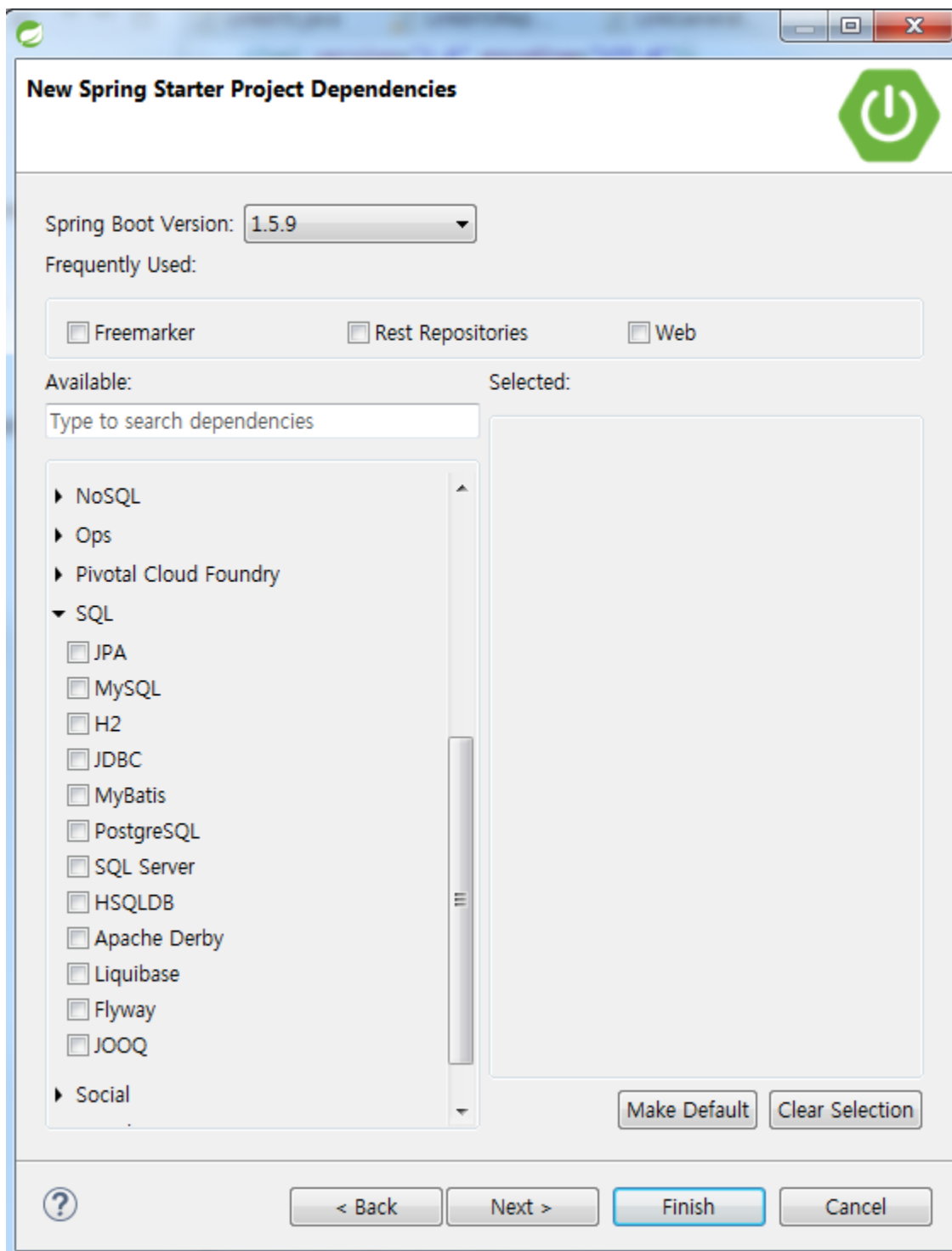
Linux

Based on Eclipse 4.7.2



Link : <https://spring.io/tools/sts/all>

JAVA, OS .



The image shows a 'New Spring Starter Project Dependencies' dialog box. At the top, it has a title bar with a green icon and standard window controls. The main area is divided into sections. The first section is 'Spring Boot Version:' with a dropdown menu set to '1.5.9'. Below this is a 'Frequently Used:' section with three checkboxes: 'Freemarker', 'Rest Repositories', and 'Web'. The next section is 'Available:' with a search bar labeled 'Type to search dependencies'. Below the search bar is a list of categories: 'NoSQL', 'Ops', 'Pivotal Cloud Foundry', 'SQL', and 'Social'. The 'SQL' category is expanded, showing a list of database-related dependencies with checkboxes: 'JPA', 'MySQL', 'H2', 'JDBC', 'MyBatis', 'PostgreSQL', 'SQL Server', 'HSQLDB', 'Apache Derby', 'Liquibase', 'Flyway', and 'JOOQ'. To the right of the 'Available' list is a 'Selected:' area, which is currently empty. At the bottom right of the 'Available' section are two buttons: 'Make Default' and 'Clear Selection'. The bottom of the dialog features a footer with a help icon (question mark) and four navigation buttons: '< Back', 'Next >', 'Finish' (highlighted in blue), and 'Cancel'.

New Spring Starter Project Dependencies

Spring Boot Version: 1.5.9

Frequently Used:

☐ Freemarker ☐ Rest Repositories ☐ Web

Available: Selected:

Type to search dependencies

- ▶ NoSQL
- ▶ Ops
- ▶ Pivotal Cloud Foundry
- ▼ SQL
 - ☐ JPA
 - ☐ MySQL
 - ☐ H2
 - ☐ JDBC
 - ☐ MyBatis
 - ☐ PostgreSQL
 - ☐ SQL Server
 - ☐ HSQLDB
 - ☐ Apache Derby
 - ☐ Liquibase
 - ☐ Flyway
 - ☐ JOOQ
- ▶ Social

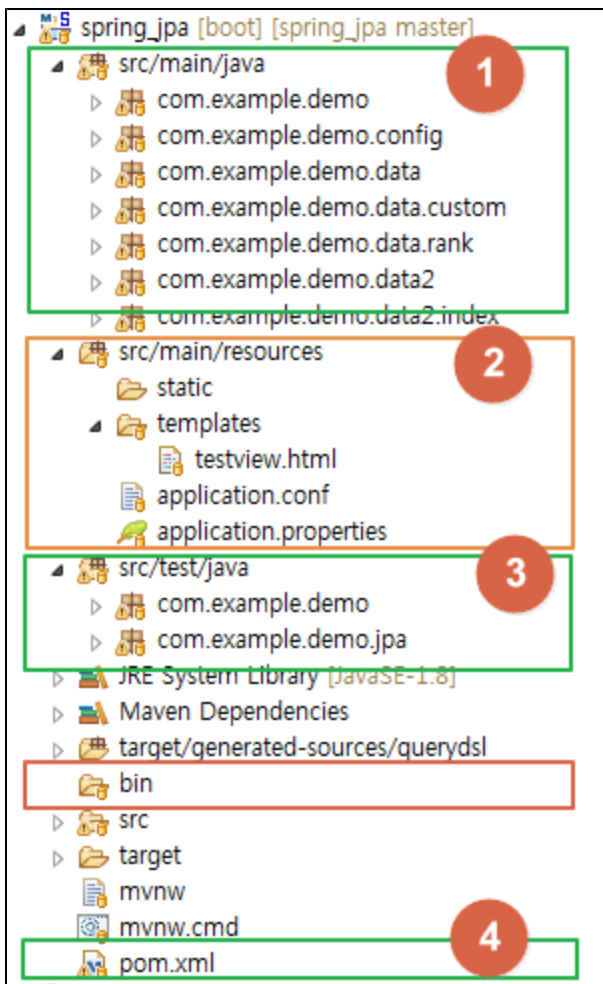
Make Default Clear Selection

? < Back Next > Finish Cancel

Spring Boot ,

: <http://projects.spring.io/spring-boot/#quick-start>

Application LayOut



- 1.
2. (.)
- 3.
4. ()

--spring.config.location=classpath:/default.properties,classpath:/override.properties,file:./myhome.properties

```
package com.example.demo;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.cache.annotation.EnableCaching;
import org.springframework.context.ApplicationContext;

@SpringBootApplication
@EnableCaching
public class StudylApplication {

    public static void main(String[] args) {
        SpringApplication.run(StudylApplication.class, args);
    }
}
```

- <https://docs.spring.io/spring-boot/docs/current/reference/html/using-boot-structuring-your-code.html>
- <https://spring.io/guides/gs/spring-boot/>

Alt + Shift + S

Toggle Comment	Ctrl+/ Ctrl+Shift+W
Remove Block Comment	Alt+Shift+J
Generate Element Comment	
Correct Indentation	Ctrl+I
Format	Ctrl+Shift+F
Format Element	
Add Import	Ctrl+Shift+M
Organize Imports	Ctrl+Shift+O
Sort Members...	
Clean Up...	
Override/Implement Methods...	
Generate Getters and Setters...	
Generate Delegate Methods...	
Generate hashCode() and equals()...	
Generate toString()...	
Generate Constructor using Fields...	
Generate Constructors from Superclass...	
Externalize Strings...	

Generate Getters and Setters

Select getters and setters to create:

- ☒ ☐ ☐ **cotent**
 - ☒ ☐ getContent()
 - ☒ ☐ setContent(String)

(Getter and Setters) , (Delegate) OOP .

- .()
- .
- get, set .
- .

Spring , (get,set)

..

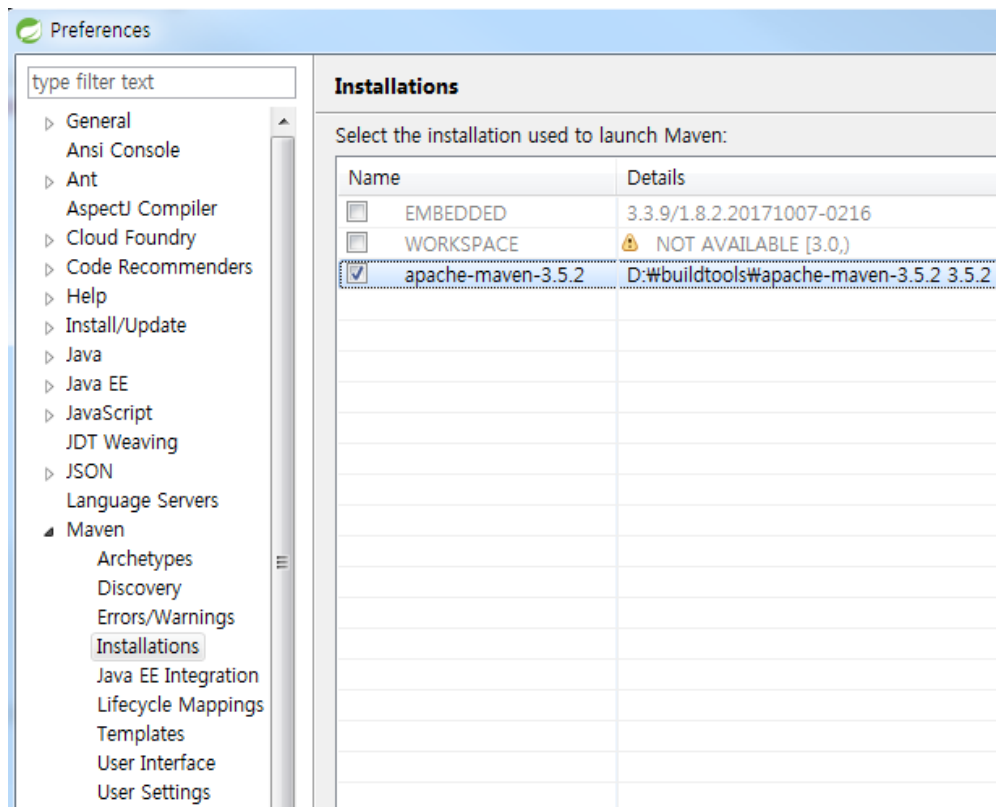
<http://countryxide.tistory.com/16>

<http://jtuts.com/2014/09/02/useful-shortcuts-in-eclipse-and-sts/>

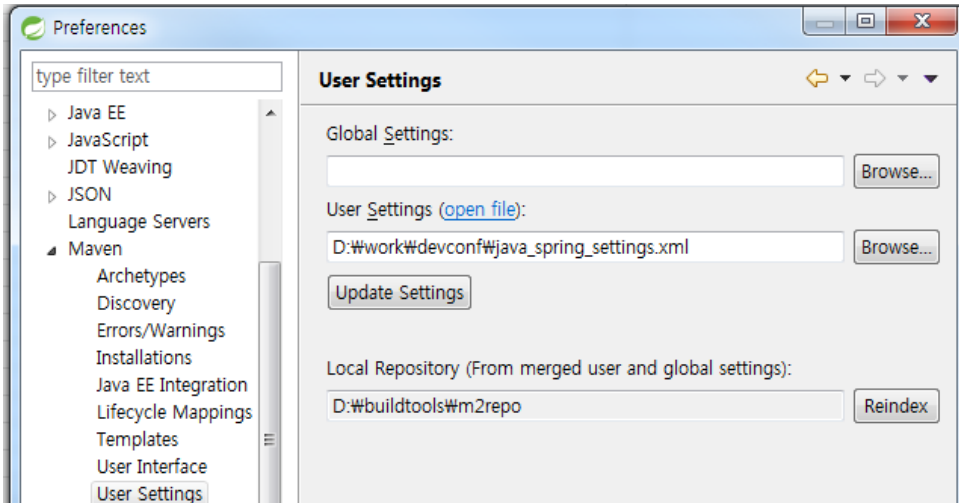
STS

SPRING JAVA /
.(Nuget)

:<http://maven.apache.org/download.cgi>



```
,
, /bin path .
```



C:\.m2> ...

```
<settings>
  <localRepository>D:\buildtools\m2repo</localRepository>
  ....
</settings>
```

: <https://www.lessstif.com/display/JAVA/maven+profiles>

/

RunAS

	1 Run on Server	Alt+Shift+X, R
	2 Java Application	Alt+Shift+X, J
	3 JUnit Test	Alt+Shift+X, T
	4 Maven build	Alt+Shift+X, M
	5 Maven build...	
	6 Maven clean	
	7 Maven generate-sources	
	8 Maven install	
	9 Maven test	
	Spring Boot App	Alt+Shift+X, B
	Spring Devtools Client	

BootApp	MavenBuild
---------	------------

Name: spring_jpa - Study1Application

Spring Boot | Arguments | JRE | Classpath | Source | Environment | Common

Project: spring_jpa

Main type: com.example.demo.Study1Application Search...

Profile:

☐ Enable debug output ☐ Hide from Boot Dash

☒ Fast startup ☒ ANSI console output

☒ Enable JMX Port: 0

☒ Enable Live Bean support

☒ Enable Life Cycle Management. Termination timeout (ms): 15000

Override properties:

property	value

Name: spring_jpa

Main | JRE | Refresh | Source | Environment | Common

Base directory: \${workspace_loc:/spring_jpa}

Goals: package

Profiles:

User settings: D:\work\devconf\java_spring_settings.xml

☐ Offline ☐ Update Snapshots

☐ Debug Output ☐ Skip Tests ☐ Non-recursive

☐ Resolve Workspace artifacts

1 Threads

Parameter Name	Value

Maven Runtime: apache-maven-3.5.2 (EXTERNAL D:\buildtools\apache-maven-3.5.2\3.5.2)

- 1 spring_jpa
- 2 spring_jpa - Study1Application
- 3 Study1ApplicationTests