

The background features a large, abstract, wavy shape in shades of green and white, resembling a stylized wave or a flowing ribbon. The shape is composed of several overlapping, curved segments that create a sense of movement and depth. The colors range from a bright, vibrant green to a soft, pale green, with white areas interspersed throughout. The overall effect is clean, modern, and organic.

테스트 환경 구축




테스트 환경 개요

- JDK (Java 8)
- Spring Tool Suite or Eclipse with Spring Plugin (4.x and 3.x plugin)
- Apache Tomcat (9.x)
- MySQL or Oracle
- Apache Maven / Gradle

JDK 설치

- 다운로드 후 설치

- <https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>

Solaris x64	91.9 MB	 jdk-8u251-solaris-x64.tar.gz
Windows x86	201.17 MB	 jdk-8u251-windows-i586.exe
Windows x64	211.54 MB	 jdk-8u251-windows-x64.exe

- 환경변수 등록

- JAVA_HOME
- Path : %JAVA_HOME%\bin

Spring Tool Suite (STS) 설치

- 다운로드 → <https://spring.io/tools>

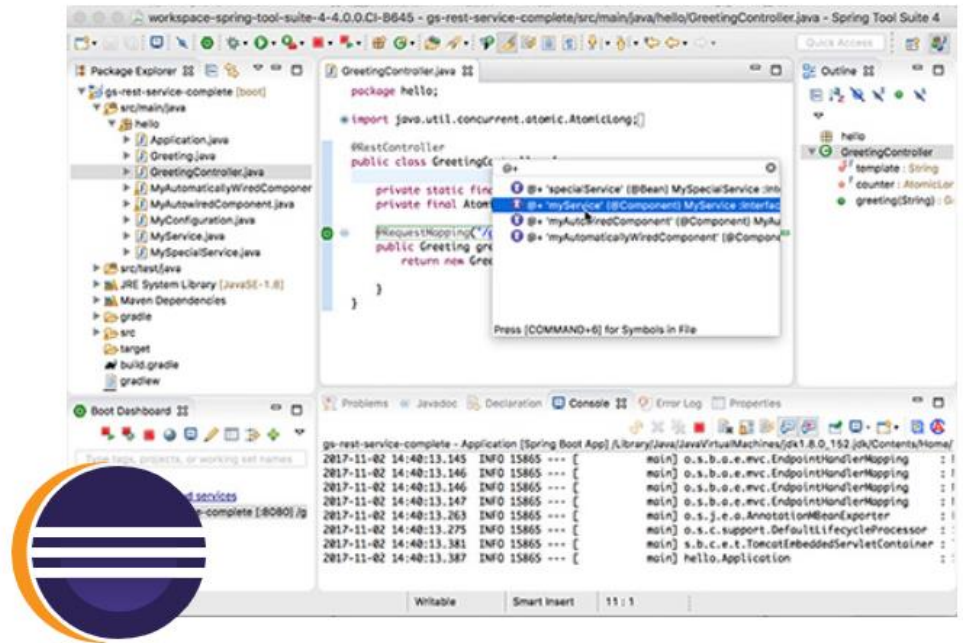
Spring Tools 4 for Eclipse

The all-new Spring Tool Suite 4.
Free. Open source.

4.10.0 - LINUX 64-BIT

4.10.0 - MACOS 64-BIT

4.10.0 - WINDOWS 64-BIT



- 다운로드 후 실행 → 자동으로 압축 해제
 - .jar 파일 실행 or 명령 프롬프트에서 `java -jar spring-tool-suite-xxx.jar`

Eclipse 설치

- 다운로드 및 압축 해제
 - https://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/2021-03/R/eclipse-jee-2021-03-R-win32-x86_64.zip

 Download

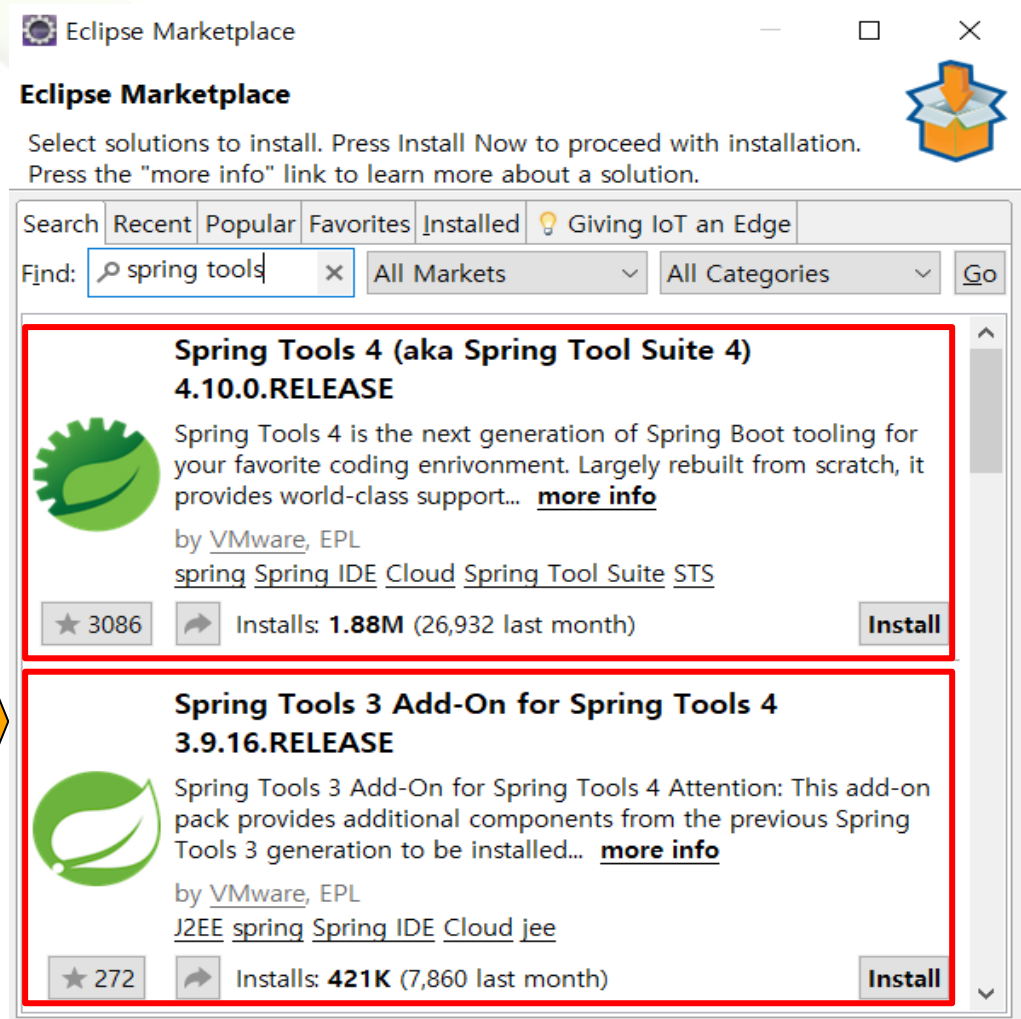
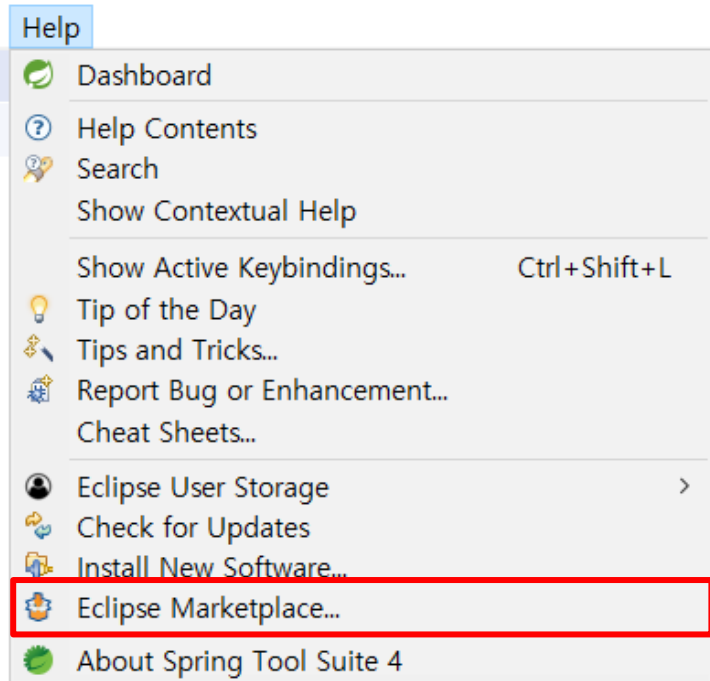
Download from: China - University of Science and Technology of China (https)

File: eclipse-jee-2021-03-R-win32-x86_64.zip **SHA-512**

>> Select Another Mirror

스프링 플러그인 설치 (STS, Eclipse 공통)

- Eclipse Marketplace에서 STS 검색 후 설치
 - Spring Tools 4
 - Spring Tools 3 Add-on



Maven 설치

- 다운로드 후 압축 해제

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

	Link	Checksums
Binary tar.gz archive	apache-maven-3.8.1-bin.tar.gz	apache-maven-3.8.1-bin.tar.gz.sha512
Binary zip archive	apache-maven-3.8.1-bin.zip	apache-maven-3.8.1-bin.zip.sha512
Source tar.gz archive	apache-maven-3.8.1-src.tar.gz	apache-maven-3.8.1-src.tar.gz.sha512
Source zip archive	apache-maven-3.8.1-src.zip	apache-maven-3.8.1-src.zip.sha512

- 환경 변수 등록

- MAVEN_HOME
 - Path : %MAVEN_HOME%\bin

- 명령 프롬프트에서 확인

- mvn -version

Gradle 설치

- 다운로드 및 압축 해제
 - <https://gradle.org/releases/>

🏷 v7.0.2

📅 May 14, 2021

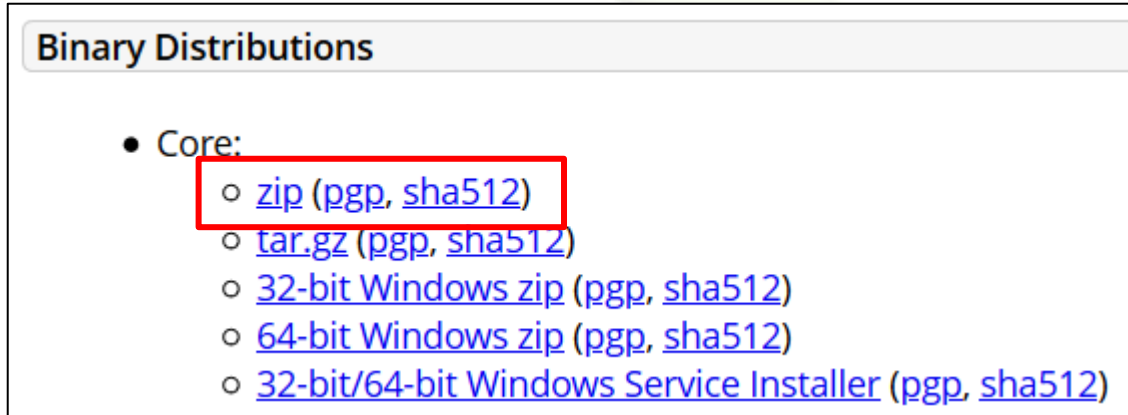
- Download: [binary-only or complete](#)
- [User Manual](#)
- [API Javadoc](#)
- [DSL Reference](#)
- [Release Notes](#)

- 환경 변수 등록
 - GRADLE_HOME
 - Path : %GRADLE_HOME%\bin
- 명령 프롬프트에서 확인
 - `gradle -version`

Apache Tomcat 설치

- 다운로드 및 압축 해제

- <https://tomcat.apache.org/download-90.cgi>



- 설정 변경 (포트번호 변경)

- 톰캣설치경로\conf\server.xml 편집

```
<Connector port="8081" protocol="HTTP/1.1"  
            connectionTimeout="20000"  
            redirectPort="8443" />
```