Spring Framework

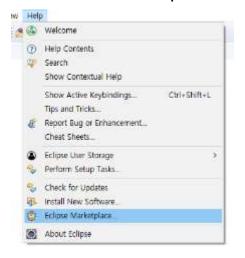
- 개발환경 구축
- 프로젝트 생성해 보기

1: 이클립스에 STS(Spring Tool Suit) 설치

Java, 이클립스, tomcat에 대한 환경 설정을 모두 완료 후에 하셔야겠죠?

1: 이클립스에 STS(Spring Tool Suit) 설치

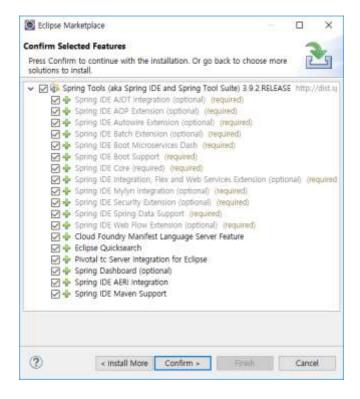
이클립스 상단탭 Help 클릭



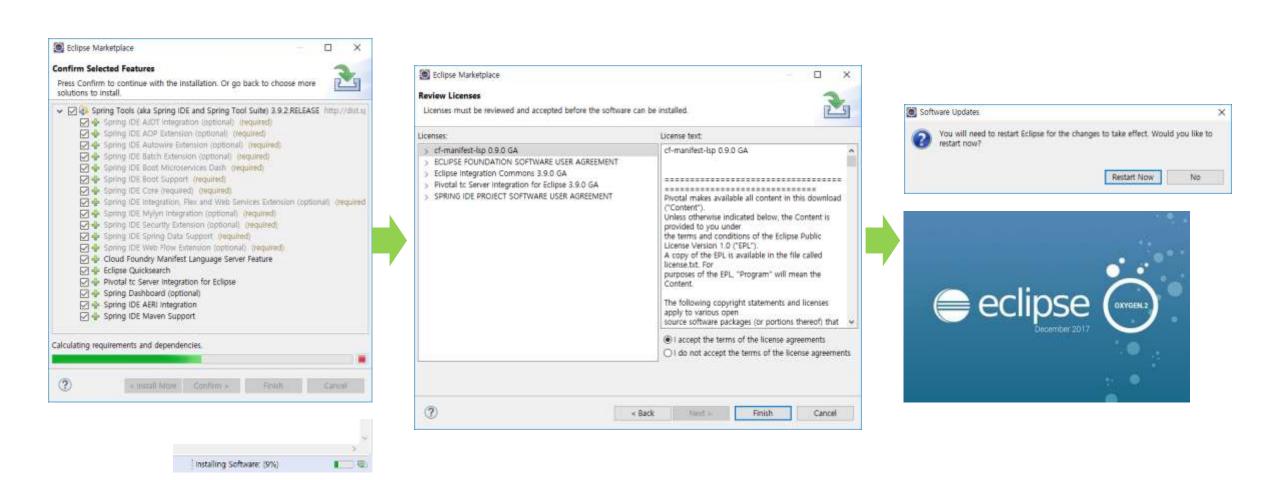


Eclipse Marketplace

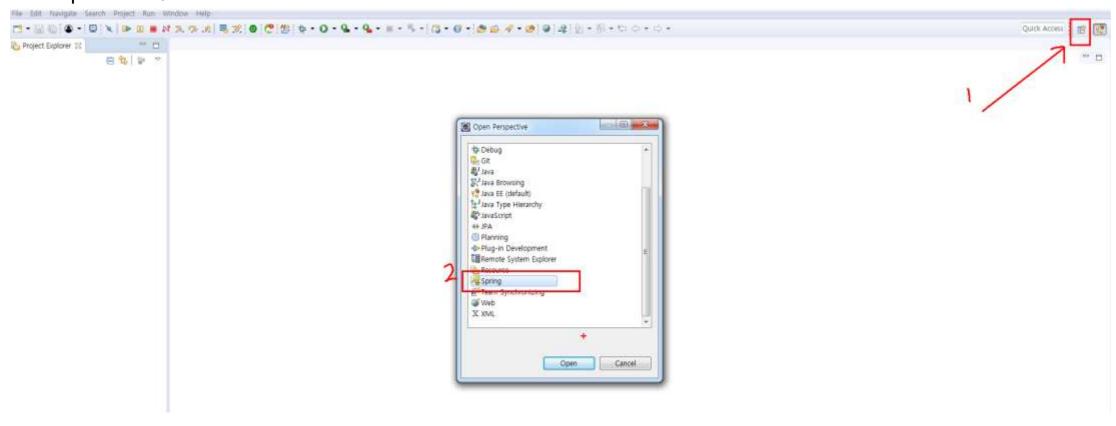




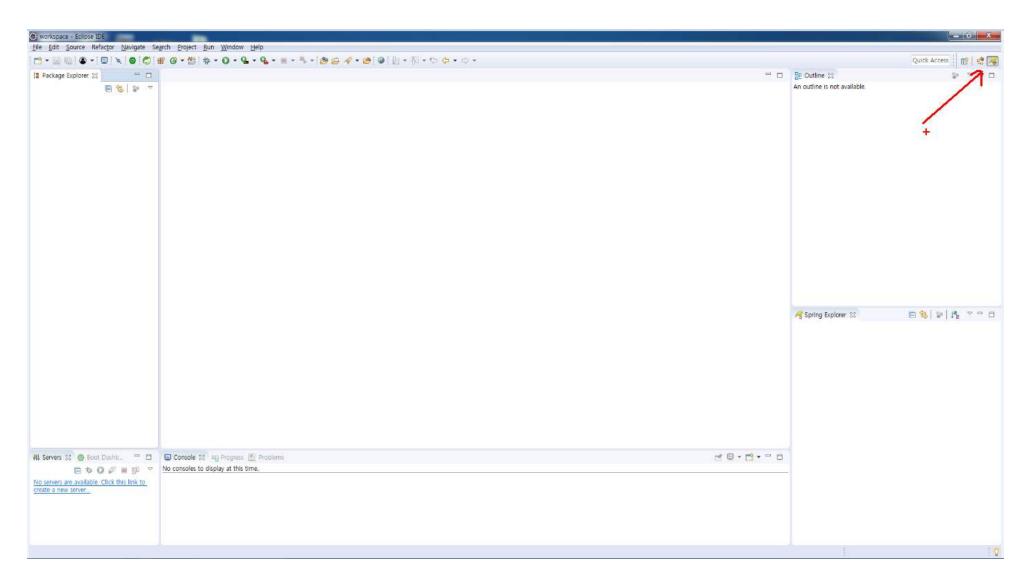
1: 이클립스에 STS(Spring Tool Suit) 설치



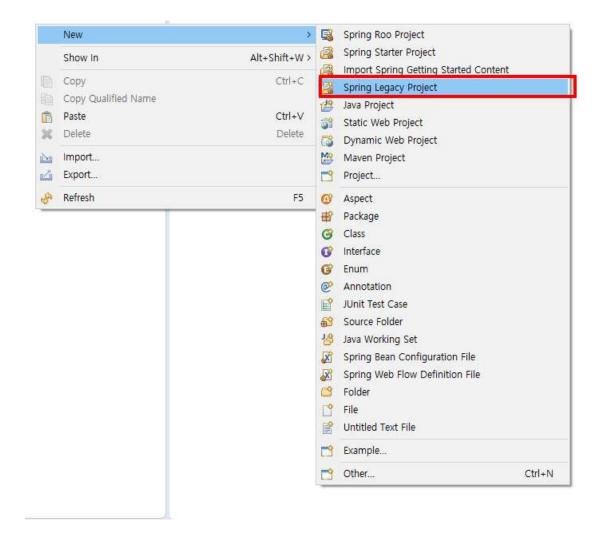
- 재 시작 후에 Perspective 항목에
 Spring이 추가된 것이 확인
 open 클릭



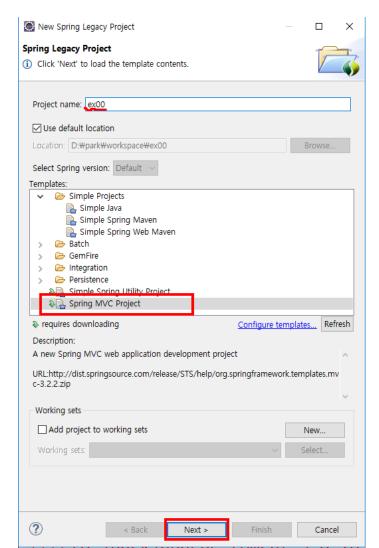
1. 설치 완료 화면



1. Package Explorer 우클릭 -> Legacy Project 선택



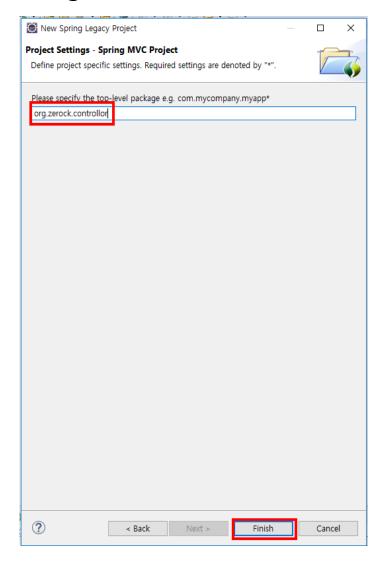
1. MVC Project 선택 -> next



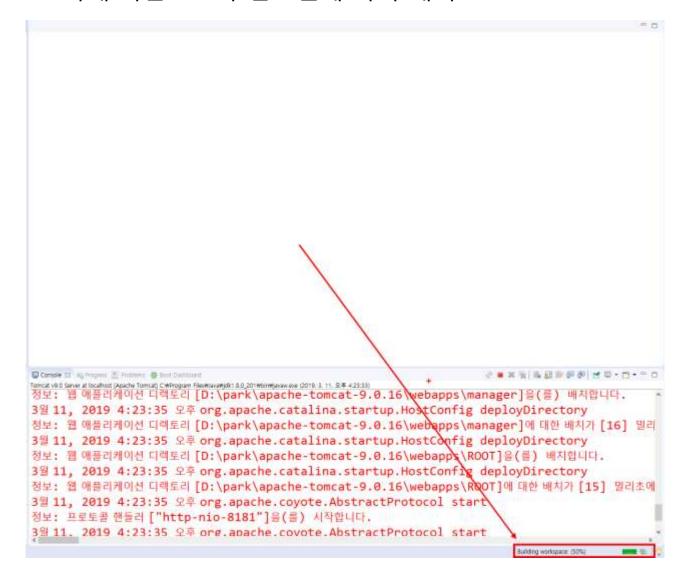
2. 첫 생성시 다운로드가 필요함.

| M New Spring Leg | acy Project | | | - |
|---|---|-------------------------|-----------|---------|
| Spring Legacy Pro | ject | | 7 | - |
| Click "Next" to lo | oad the template contents. | | 1 | - |
| Project name: 4x | 00 | | | |
| Use default loc | ation | | | |
| | rkwworkspacewex00 | | Blowns. | |
| Select Spring very Templates | Default. | | | |
| Simple | | | | |
| mport. | | | | |
| Spring MV Proceed? | C Project requires a download of 1660 | 98 bytes. Yes | No | |
| • | | Ves Sortingue Semple | | meshi . |
| Proceed? 4 requires advent Description | Outing | Ves Configure templi | | mush |
| Proceed? • requires obwell Gescription A new Spring MV | | Yes Configure tempt | riei I Re | ä |
| Proceed? Proceed? Proceed? Proceed? Proceed? Proceed? Proceed? | ouding VC web application development proje | Yes Configure tempt | riei I Re | ä |
| Proceed? © requires obwell Description A new Spring MV URL http://dist.spic-3.2.2.zip | ouding /C web application development proje ringsource.com/release/STS/help/org.s | Yes Configure tempt | riei I Re | Ä |
| Proceed? | ouding /C web application development proje ringsource.com/release/STS/help/org.s | Yes Configure tempt | mplates m | ä |
| Proceed? Triguiting adwining Description A new Spring Mv URL http://dist.spr c-3.2.2.zip Working sets Add project t Working sets | ouding /C web application development proje ringsource.com/release/STS/help/org.s | Yes Configure tempt | mplates m | ä |

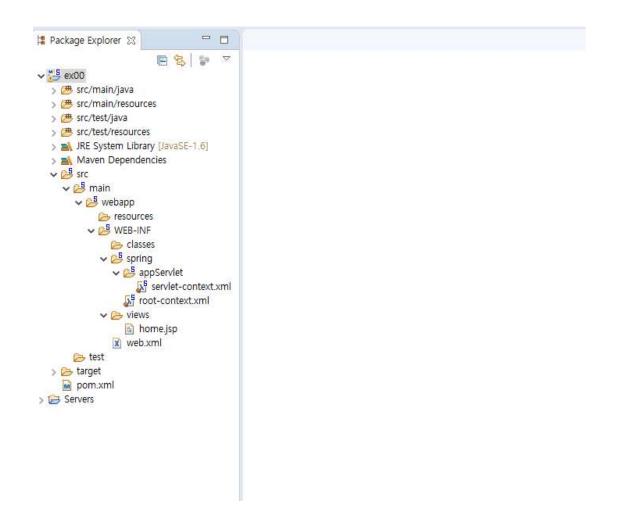
1. org.zerock.controller 패키지명 설정



2. 아래 다운로드가 완료될때 까지 대기



1. 스프링 프로젝트 완료 화면



Spring version 변경

- 1. 스프링 5버전을 사용하기 위해 pom.xml 을 다음과 같이 변경합니다.
- 2. Maven 이 자동으로 다운로드를 실행합니다.

```
If Package Explorer 17 P % P P H D R ex00/pom.xml 11

→ 55 ex00
                             1 <?xml version="1.0" encoding="UTF-8"?>
 > @ src/main/java
                             2=<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.or
 > 55 src/main/resources
                                    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.
 > CR src/test/resources
 > M IRE System Library [MVASE-1] (i)
                                    <modelVersion>4.0.0</modelVersion>
 > Maven Dependencies
                                    <groupId>org.zerock</groupId>
  → pi main
   y all webapp
                                    <artifactId>controllor</artifactId>
      - resources
                                    <name>ex00</name>

→ MEB-INF

       Classes
                                    <packaging>war</packaging>
      w @5 spring
       9
                                    <version>1.0.0-BUILD-SNAPSHOT</version>
          serviet-context.xml
         38 root-context.xml
                            10
                                    properties>
      v es views
         n) home jsp
                           11
                                         <iava-version>1.6/iava-version>
       ix web.onl
                            12
                                         <org.springframework-version 5.0.7.RELEASE /org.springframework-version</pre>
   test.
 > @ target
                                         <org.aspectj-version>1.6.10</org.aspectj-version>
  pom.xml
> E Servers
                                         <org.slf4j-version>1.6.6</org.slf4j-version>
                            14
                            15
                                    </properties>
                                    <dependencies>
                            16=
                            17
                                         <!-- Spring -->
                                         <dependency>
                            18=
                                              <groupId>org.springframework
                            19
                            20
                                              <artifactId>spring-context</artifactId>
                                              wantions Clana anning framowork wantion 1/ wantions
```

Java version 변경

- 1. 스프링 5.x 버전을 사용하기 위해 자바 1.8버전이 가장 좋습니다.
- 2. pom.xml의 <plugin> 태그 중 maven-compiler-plugin의 내용 변경
- 3. 이후 프로젝트를 선택한 상태에서 Maven -> Update Project를 실행



1. web-xml의 한글처리

```
<filter>
    <filter-name>encodingFilter</filter-name>
    <filter-class>
        org.springframework.web.filter.CharacterEncodingFilter
    </filter-class>
    <init-param>
      <param-name>encoding</param-name>
      <param-value>UTF-8</param-value>
    </init-param>
    <init-param>
      <param-name>forceEncoding</param-name>
      <param-value>true</param-value>
    </init-param>
  </filter>
  <filter-mapping>
    <filter-name>encodingFilter</filter-name>
    <url-pattern>/*</url-pattern>
  </filter-mapping>
```

