

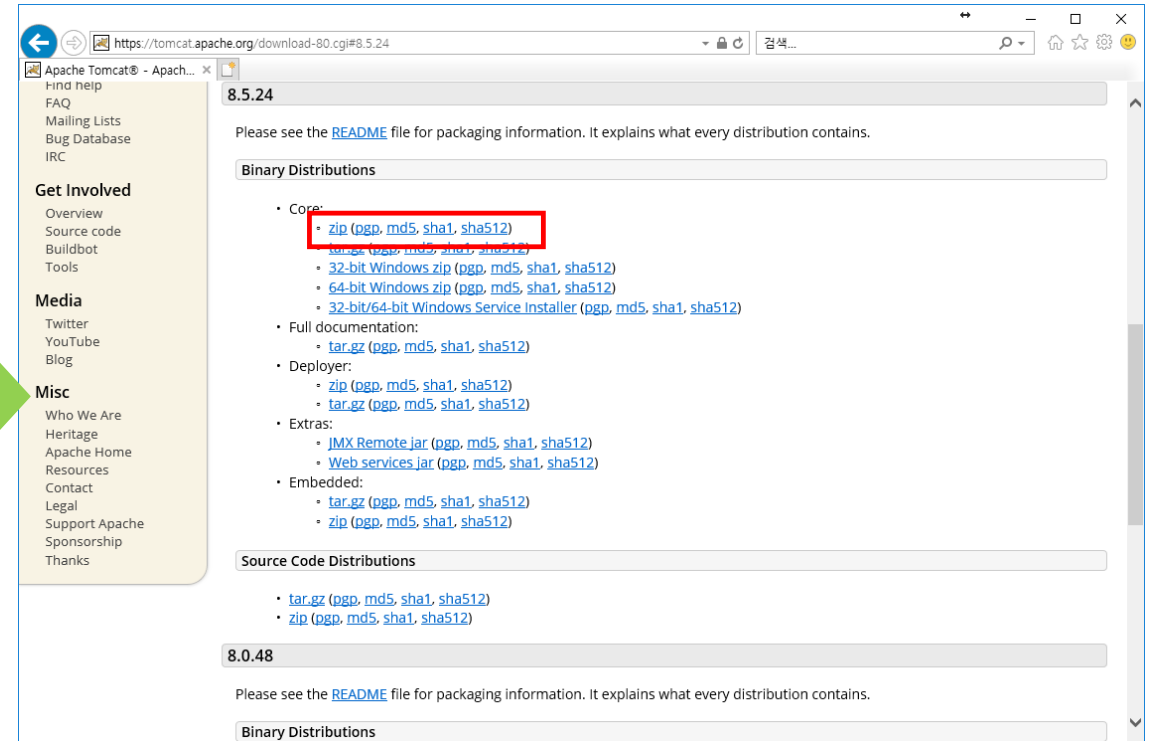
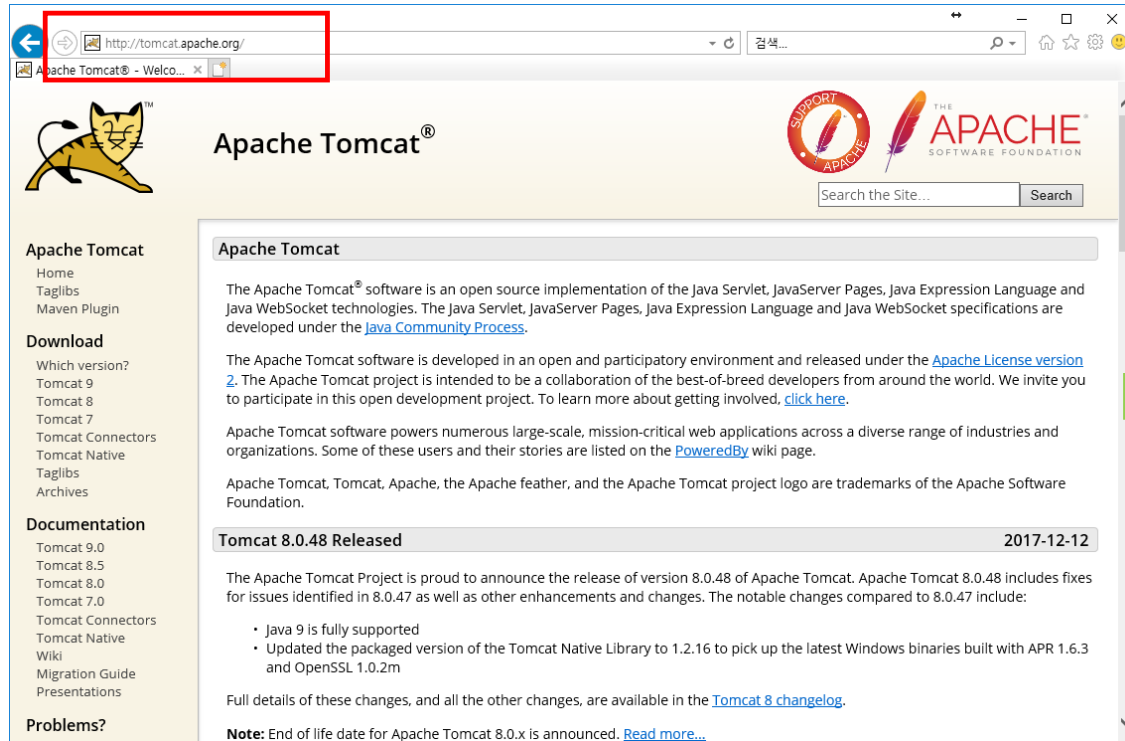
SPRING

14강_스프링 MVC 웹서비스 - I

스프링 MVC 프레임워크를 이용한 웹 프로그래밍을 구현방법에 대해서 학습합니다.

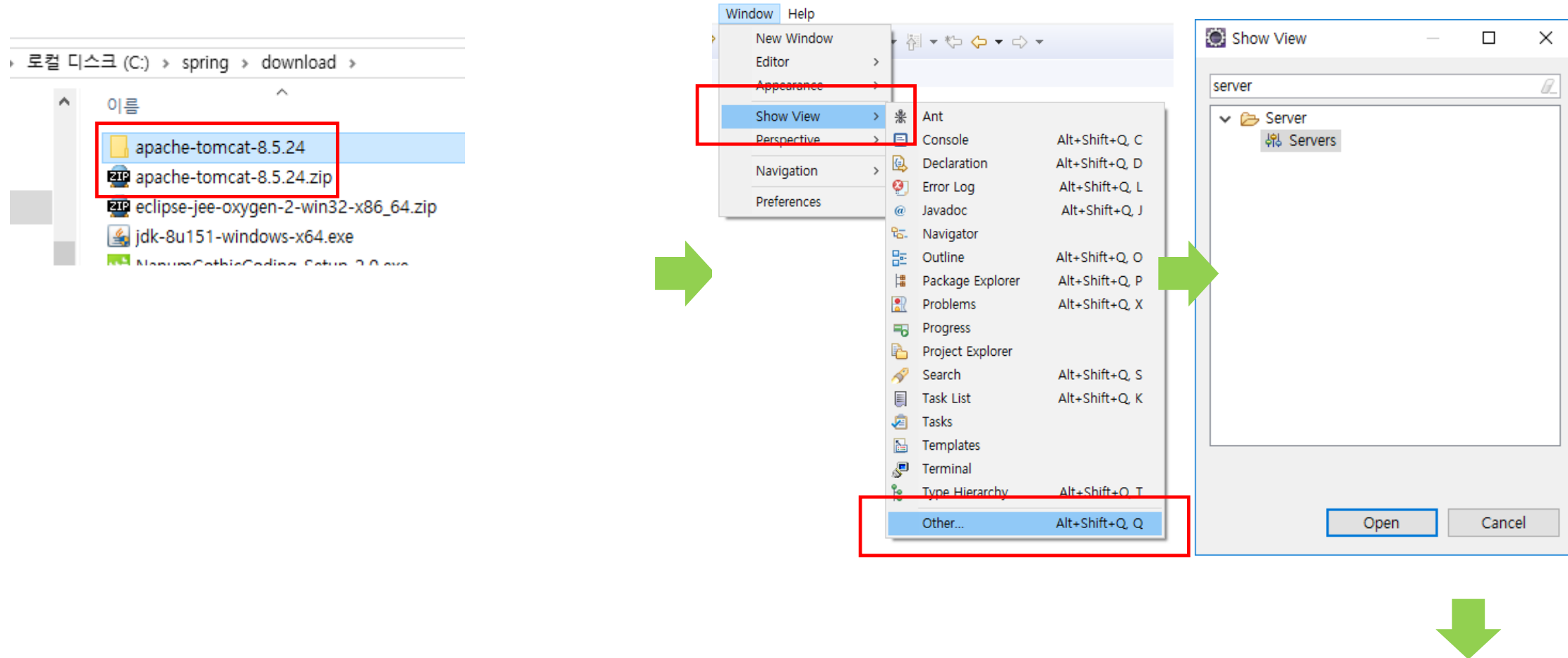
- 14-1 웹 서버(Tomcat) 다운로드
- 14-2 웹 서버(Tomcat) 와 이클립스 연동
- 14-3 이클립스에 STS(Spring Tool Suit) 설치
- 14-4 STS를 이용한 웹프로젝트 생성
- 14-5 스프링 MVC프레임워크를 이용한 웹프로젝트 분석

14-1 : 웹 서버(Tomcat) 다운로드

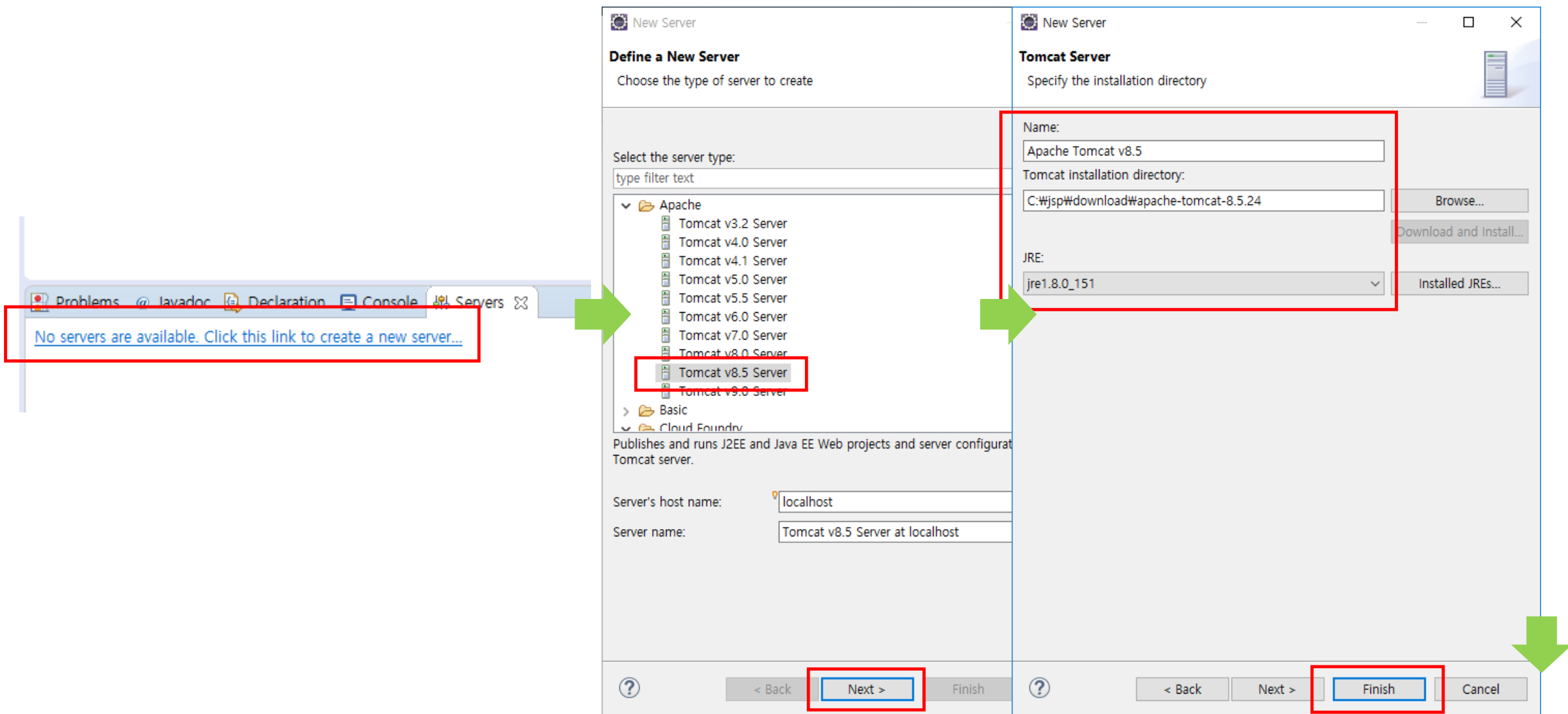


<http://tomcat.apache.org/>

14-2 : 웹 서버(Tomcat) 와 이클립스 연동



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14-2 : 웹 서버(Tomcat) 와 이클립스 연동

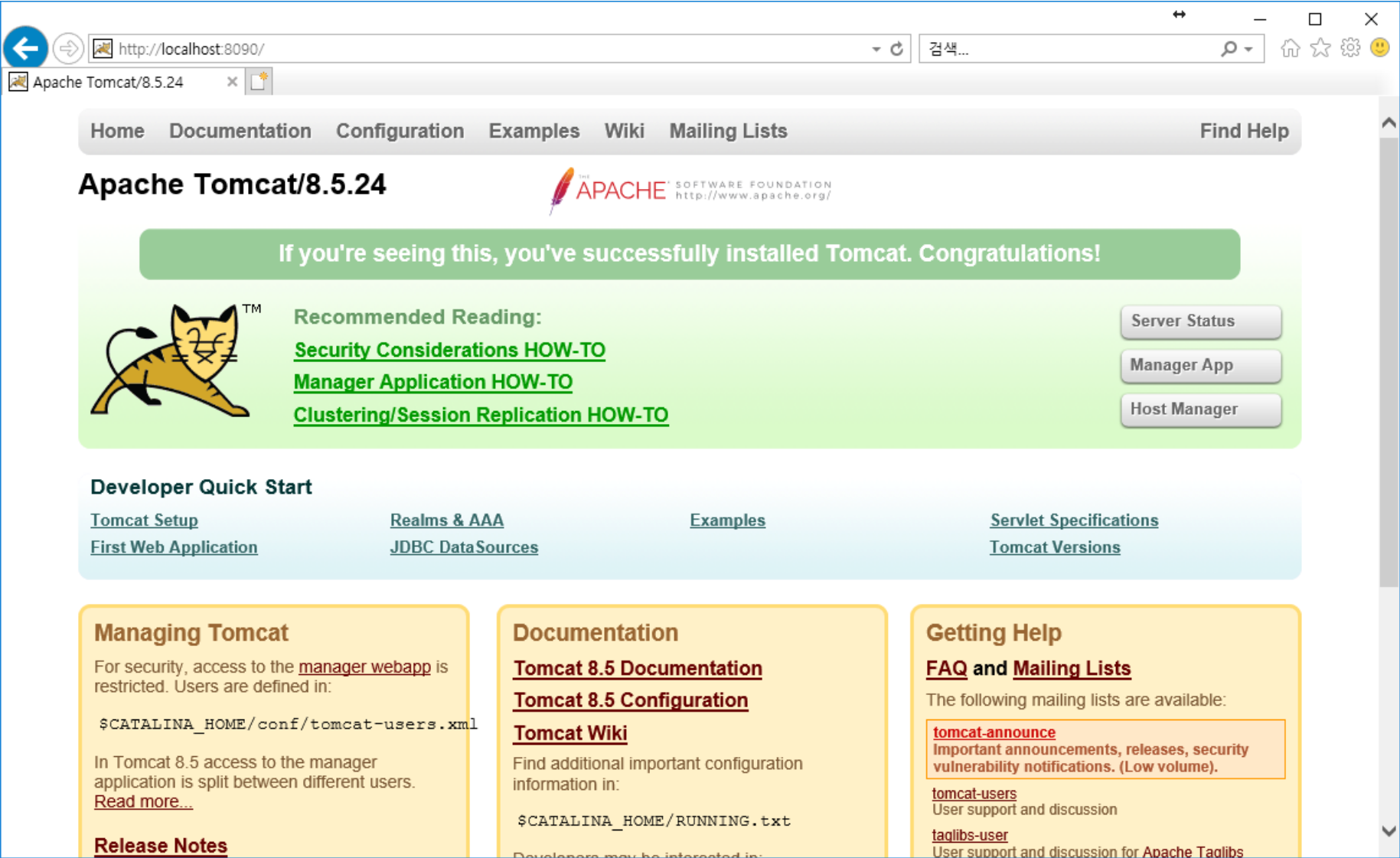
The screenshot shows the Eclipse IDE with the 'Tomcat v8.5 Server at localhost' configuration window open. The 'Overview' tab is selected, showing the following settings:

- General Information:**
 - Server name: Tomcat v8.5 Server at localhost
 - Host name: localhost
 - Runtime Environment: Apache Tomcat v8.5
 - Configuration path: /Servers/Tomcat v8.5 Server at localhost-c
- Server Locations:**
 - ☒ Use Tomcat installation (takes control of Tomcat installation)
 - Server path: C:\jsp\download\apache-tomcat-8.5.24
 - Deploy path: wtpwebapps
- Server Options:**
 - ☒ Publish module contexts to separate XML files
 - ☒ Modules auto reload by default
- Ports:**

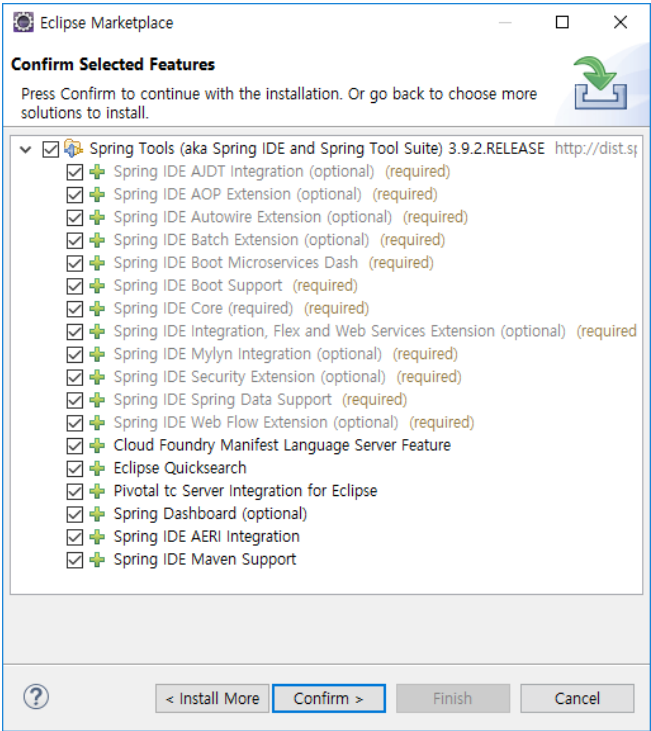
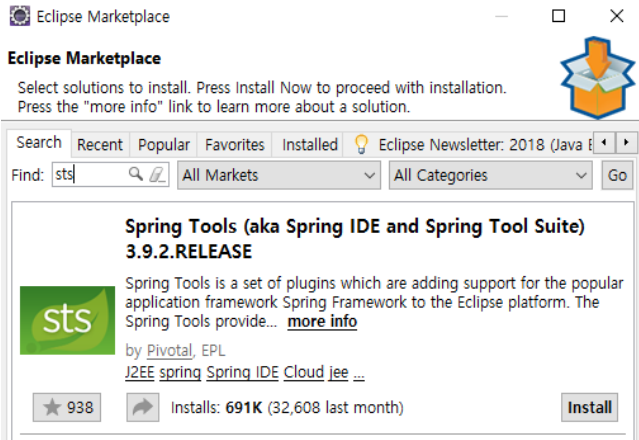
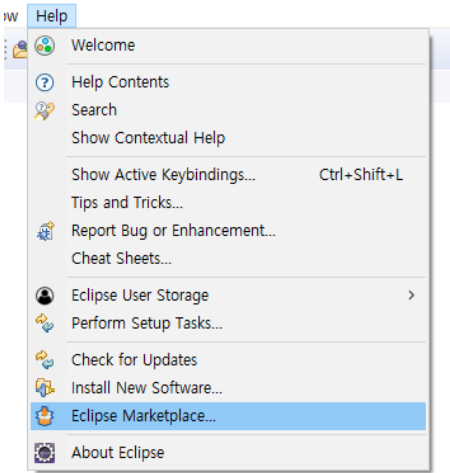
Port Name	Port Num
Tomcat admin port	8005
HTTP/1.1	8090
AJP/1.3	8009

The 'Run' button (a green play icon) in the bottom toolbar is highlighted with a red box. A green arrow points down on the right side of the image.

14-2 : 웹 서버(Tomcat) 와 이클립스 연동



14-3 : 이클립스에 STS(Spring Tool Suit) 설치



14-3 : 이클립스에 STS(Spring Tool Suite) 설치

Eclipse Marketplace

Confirm Selected Features

Press Confirm to continue with the installation. Or go back to choose more solutions to install.

Spring Tools (aka Spring IDE and Spring Tool Suite) 3.9.2.RELEASE <http://dist.spr>

Spring IDE AJDT Integration (optional) (required)

Spring IDE AOP Extension (optional) (required)

Spring IDE Autowire Extension (optional) (required)

Spring IDE Batch Extension (optional) (required)

Spring IDE Boot Microservices Dash (required)

Spring IDE Boot Support (required)

Spring IDE Core (required) (required)

Spring IDE Integration, Flex and Web Services Extension (optional) (required)

Spring IDE Mylyn Integration (optional) (required)

Spring IDE Security Extension (optional) (required)

Spring IDE Spring Data Support (required)

Spring IDE Web Flow Extension (optional) (required)

Cloud Foundry Manifest Language Server Feature

Eclipse Quicksearch

Pivotal tc Server Integration for Eclipse

Spring Dashboard (optional)

Spring IDE AERI Integration

Spring IDE Maven Support

Calculating requirements and dependencies.

?

< Install More

Confirm >

Finish

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Eclipse Marketplace

Review Licenses

Licenses must be reviewed and accepted before the software can be installed.

Licenses:

cf-manifest-lsp 0.9.0 GA

ECLIPSE FOUNDATION SOFTWARE USER AGREEMENT

Eclipse Integration Commons 3.9.0 GA

Pivotal tc Server Integration for Eclipse 3.9.0 GA

SPRING IDE PROJECT SOFTWARE USER AGREEMENT

License text:

cf-manifest-lsp 0.9.0 GA

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< Back

Next >

Finish

Cancel

Software Updates

?

You will need to restart Eclipse for the changes to take effect. Would you like to restart now?

Restart Now

No

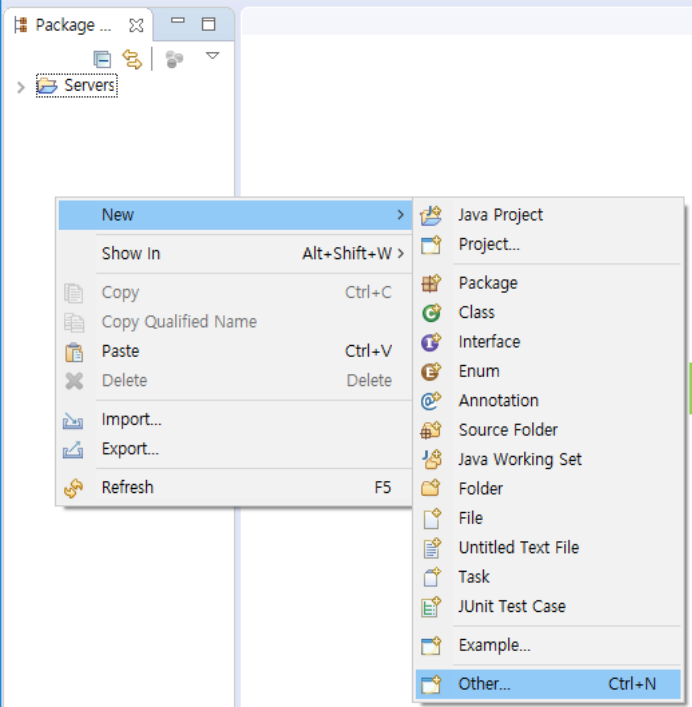
eclipse

December 2017

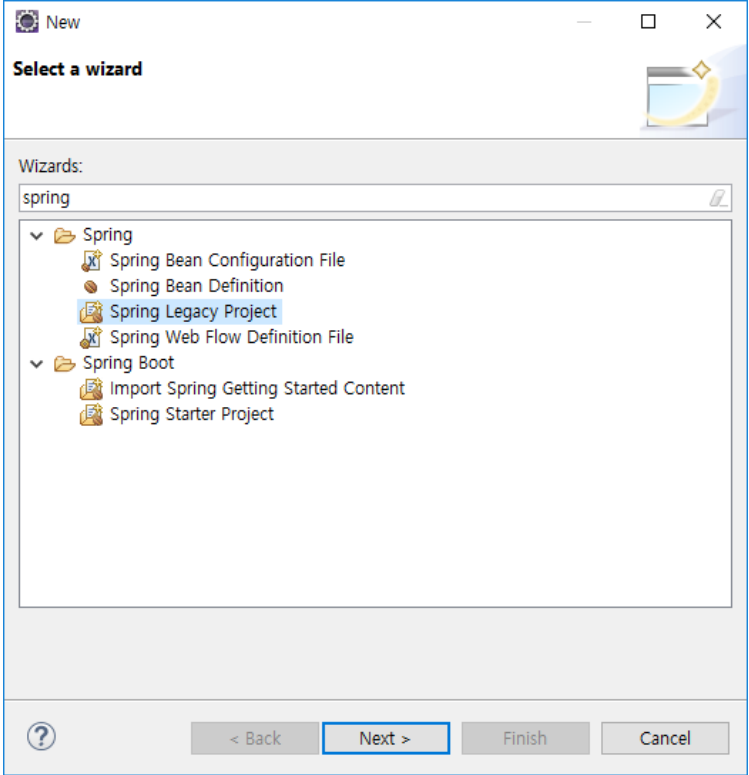
OXYGEN.2

Installing Software: (9%)

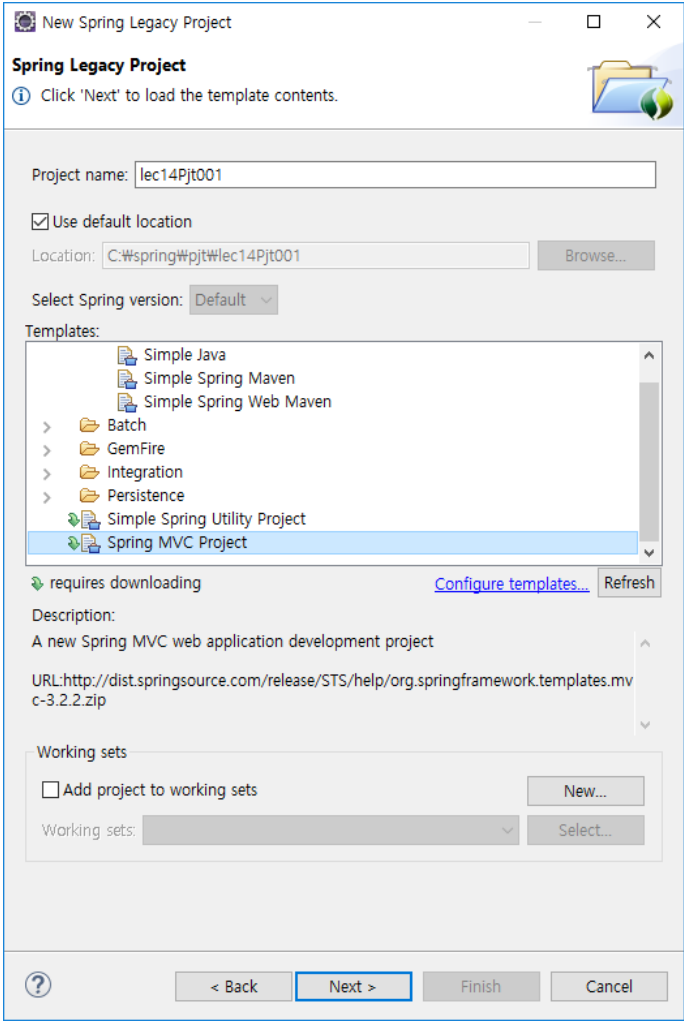
14-4 : STS를 이용한 웹프로젝트 생성



Project Explorer 창에서 오른쪽 마우스 버튼을 클릭해서 New > Other...을 선택한다.

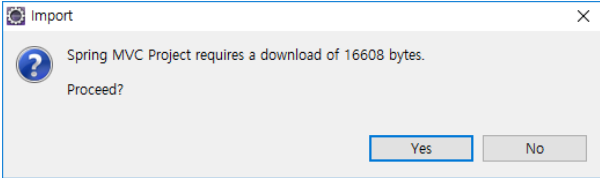


Select a wizard에서 spring으로 검색하면 spring과 관련된 프로젝트들이 보이고, Spring Legacy Project를 선택한다.

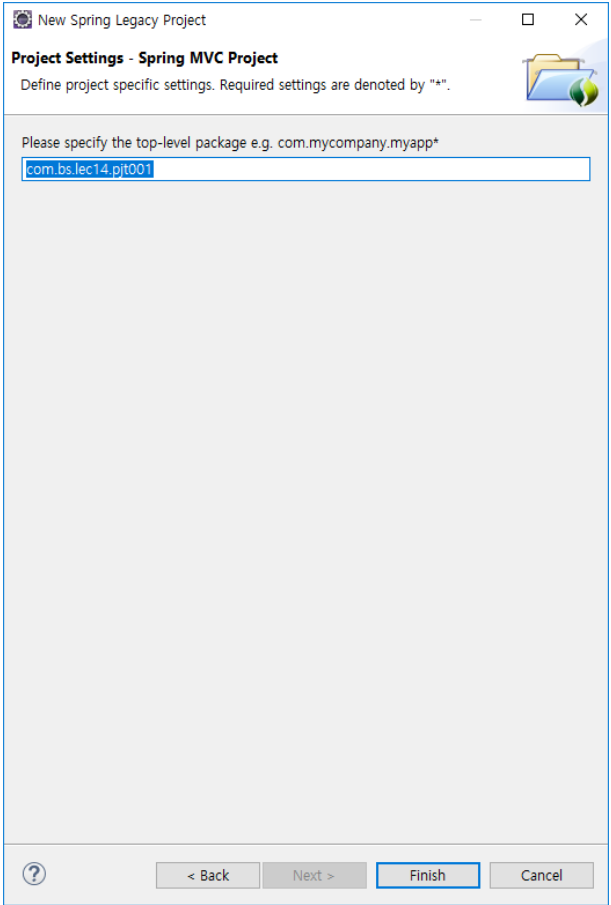


Spring Legacy Project에서 Spring MVC Project를 선택한다.

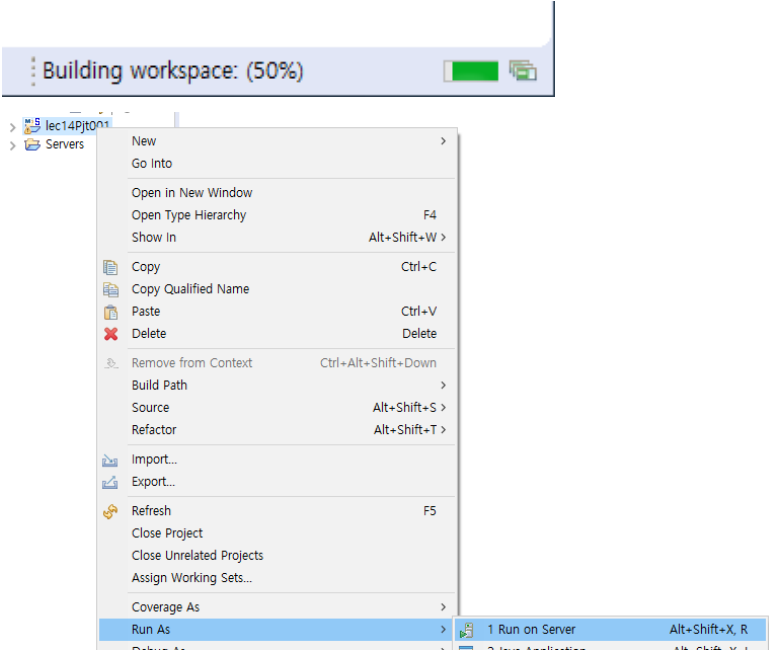
14-4 : STS를 이용한 웹프로젝트 생성



처음 Spring MVC Project를 생성하면 관련 파일을 다운로드한다. Yes 버튼을 클릭하고 잠시 기다린다. 다운로드한 파일이 많으므로 다소 시간이 소요된다.

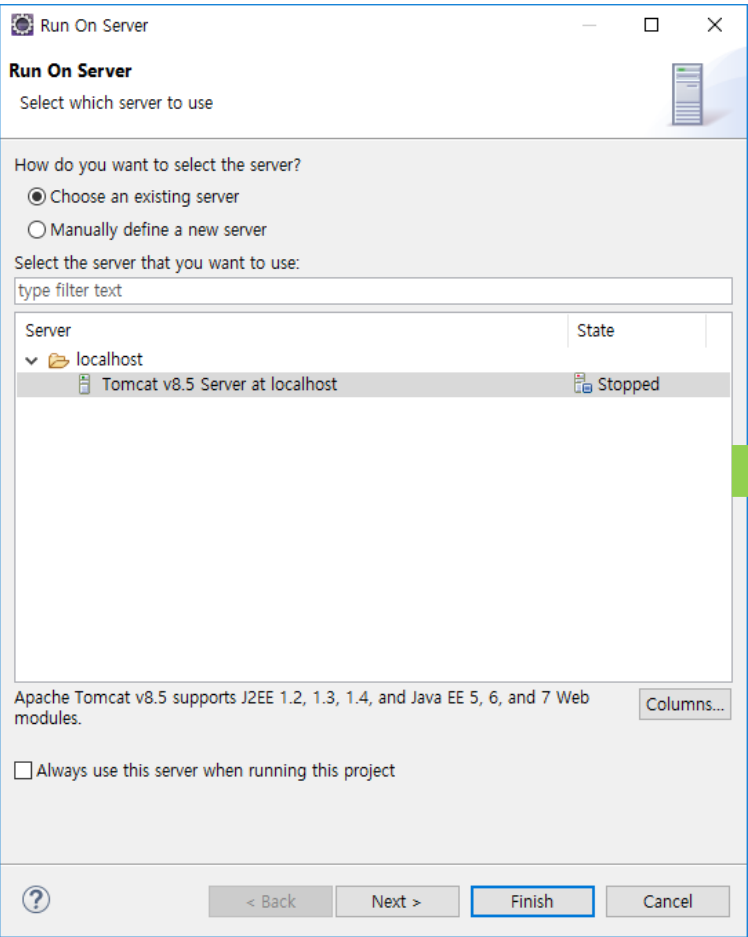


프로젝트의 패키지 이름을 입력한다. 패키지명은 유니코 한 이름으로 하고, 2단계 이상으로 해야 한다.

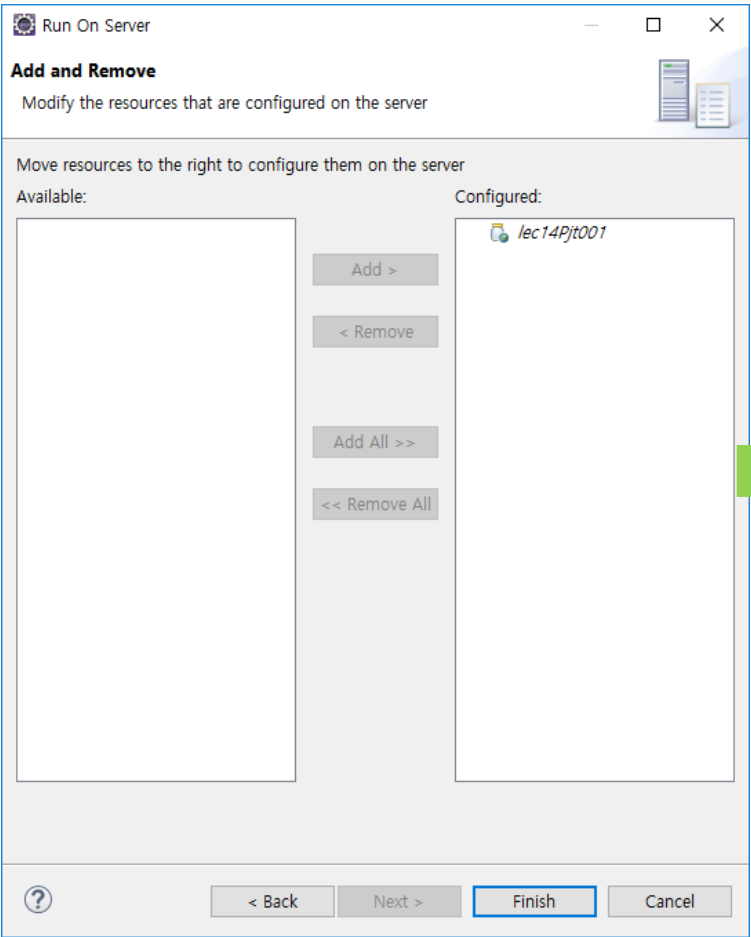


프로젝트 생성이 완료되면 Project Explorer 창에 프로젝트가 생성된 것을 확인할 수 있다. 그리고 간단한 예제가 기본적으로 들어 있고, 실제 Tomcat 웹 서버를 이용해서 실행해 볼 수 있다. 프로젝트를 실행해 보기 위해서 프로젝트 이름 위에서 오른쪽 마우스를 클릭하고 Run As > Run on Server를 클릭한다.

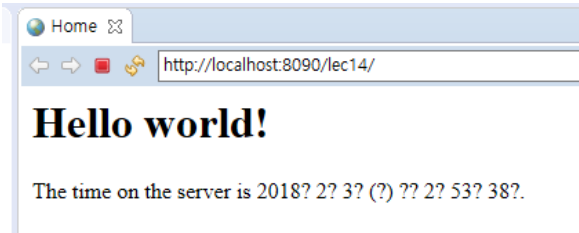
14-4 : STS를 이용한 웹프로젝트 생성



프로젝트를 실행하기 위해서 서버를 선택한다. 기존에 설정해 놓은 Tomcat 웹 서버를 이용한다. Next 버튼을 클릭한다.



Configured에 프로젝트가 포함되며, Finish 버튼을 클릭하면 프로젝트가 Tomcat 웹 서버에서 실행된다.



브라우저에서 프로젝트가 실행된다. 기본적으로 탑재된 프로젝트는 서버의 시간을 출력해 주는 예제이다.