

개발 환경 구축





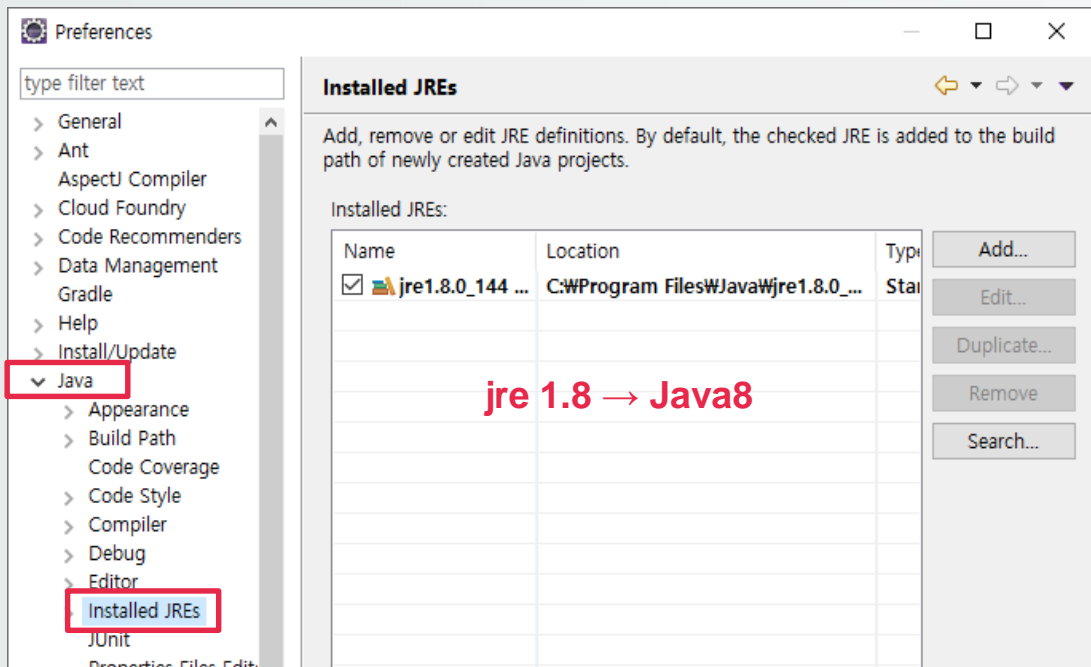
개발 환경 구축



개발 환경 구축

1. 현재 자바 버전 확인

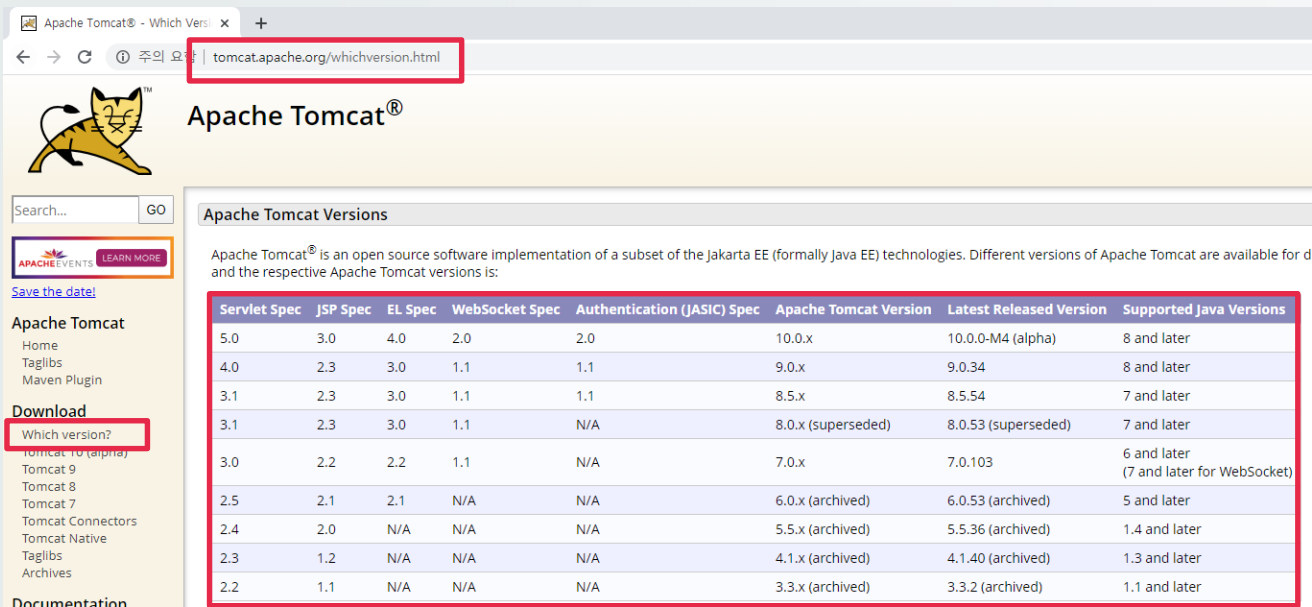
Window → Preferences → Java → Installed JREs



개발 환경 구축


2. 아파치-톰캣 서버 버전 별 지원 정보 확인

<https://tomcat.apache.org> → Which version




Apache Tomcat® - Which Version

← → ↻ 주의 요청 | tomcat.apache.org/whichversion.html

 Apache Tomcat®

Search... GO

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Apache Tomcat

- [Home](#)
- [Taglibs](#)
- [Maven Plugin](#)

Download

- [Which version?](#)
- [Tomcat 10 \(alpha\)](#)
- [Tomcat 9](#)
- [Tomcat 8](#)
- [Tomcat 7](#)
- [Tomcat Connectors](#)
- [Tomcat Native](#)
- [Taglibs](#)
- [Archives](#)

Documentation

Apache Tomcat Versions

Apache Tomcat® is an open source software implementation of a subset of the Jakarta EE (formerly Java EE) technologies. Different versions of Apache Tomcat are available for download and the respective Apache Tomcat versions is:

Servlet Spec	JSP Spec	EL Spec	WebSocket Spec	Authentication (JASIC) Spec	Apache Tomcat Version	Latest Released Version	Supported Java Versions
5.0	3.0	4.0	2.0	2.0	10.0.x	10.0.0-M4 (alpha)	8 and later
4.0	2.3	3.0	1.1	1.1	9.0.x	9.0.34	8 and later
3.1	2.3	3.0	1.1	1.1	8.5.x	8.5.54	7 and later
3.1	2.3	3.0	1.1	N/A	8.0.x (superseded)	8.0.53 (superseded)	7 and later
3.0	2.2	2.2	1.1	N/A	7.0.x	7.0.103	6 and later (7 and later for WebSocket)
2.5	2.1	2.1	N/A	N/A	6.0.x (archived)	6.0.53 (archived)	5 and later
2.4	2.0	N/A	N/A	N/A	5.5.x (archived)	5.5.36 (archived)	1.4 and later
2.3	1.2	N/A	N/A	N/A	4.1.x (archived)	4.1.40 (archived)	1.3 and later
2.2	1.1	N/A	N/A	N/A	3.3.x (archived)	3.3.2 (archived)	1.1 and later

개발 환경 구축

3. 아파치-톰캣 서버 다운로드

Tomcat 8 → 8.5.xx → zip 파일 다운로드

Download

Which version?

Tomcat 10 (alpha)

Tomcat 9

Tomcat 8

Tomcat 7

Tomcat Connectors

Tomcat Native

Taglibs

Archives

Documentation

Tomcat 10.0 (alpha)

Tomcat 9.0

Tomcat 8.5

Tomcat 7.0

Tomcat Connectors

Tomcat Native

Wiki

Migration Guide

Presentations

Problems?

You **must** [verify](#) the integrity of the downloaded files. We provide OpenPGP checksums for every release file. After you download the file, you should call

Mirrors

You are currently using <http://mirror.navercorp.com/apache/>. If you encounter

Other mirrors:

8.5.54

Please see the [README](#) file for packaging information. It explains what ever

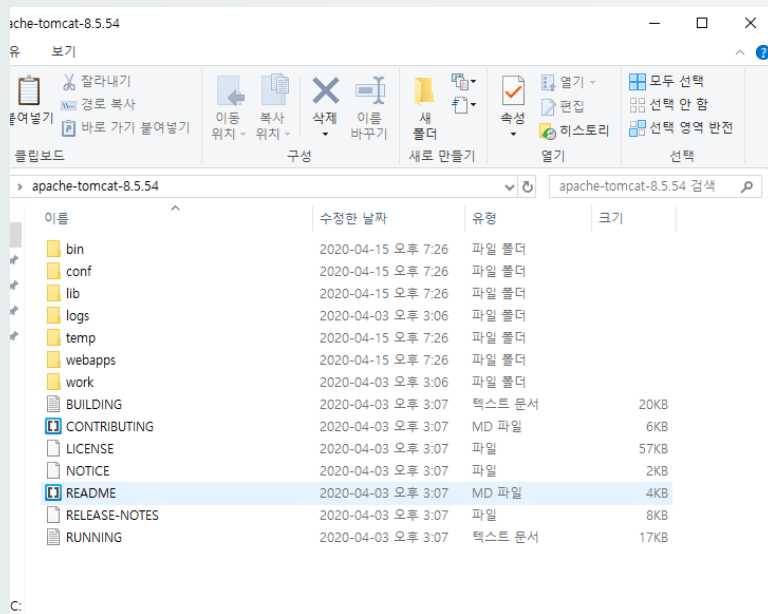
Binary Distributions

- Core:
 - [zip](#) ([pgp](#), [sha512](#))
 - [tar.gz](#) ([pgp](#), [sha512](#))
 - [32-bit Windows zip](#) ([pgp](#), [sha512](#))
 - [64-bit Windows zip](#) ([pgp](#), [sha512](#))
 - [32-bit/64-bit Windows Service Installer](#) ([pgp](#), [sha512](#))

개발 환경 구축

4. 아파치-톰캣 서버 설치

다운로드한 zip파일을 바탕화면에 압축 풀기



개발 환경 구축

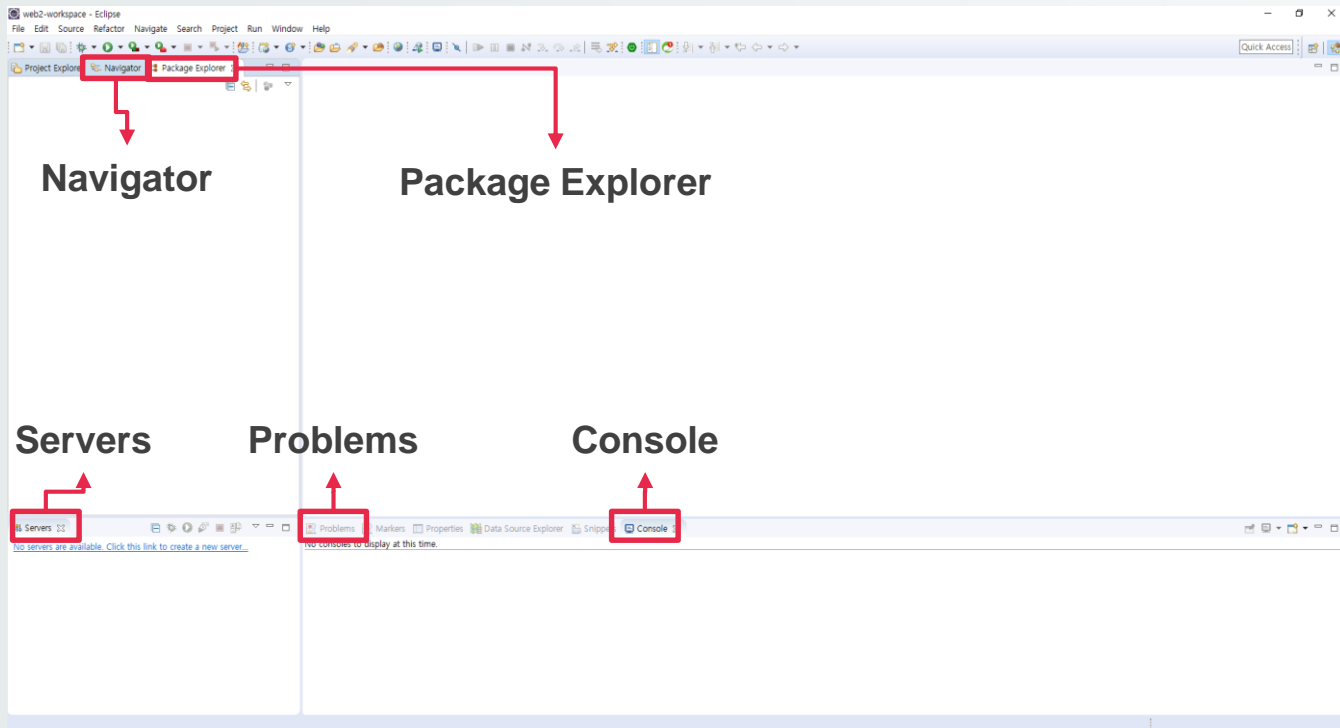
5. 이클립스 필요 항목 추가

- window → show view → Navigator
- window → show view → others → Package Explorer
- window → show view → Servers
- window → show view → others → Problems
- window → show view → Console



개발 환경 구축

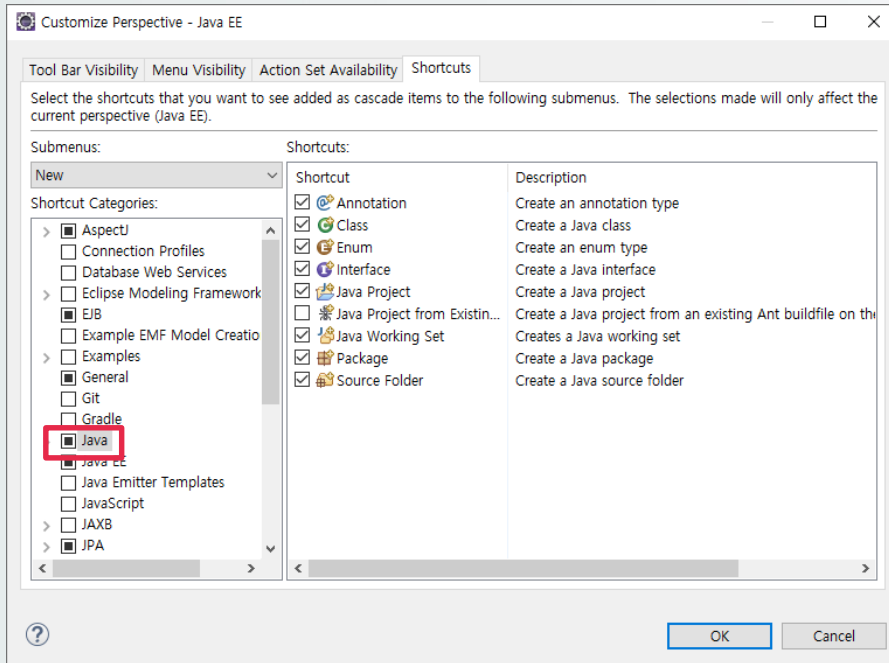
5. 이클립스 필요 항목 추가



개발 환경 구축

5. 이클립스 필요 항목 추가

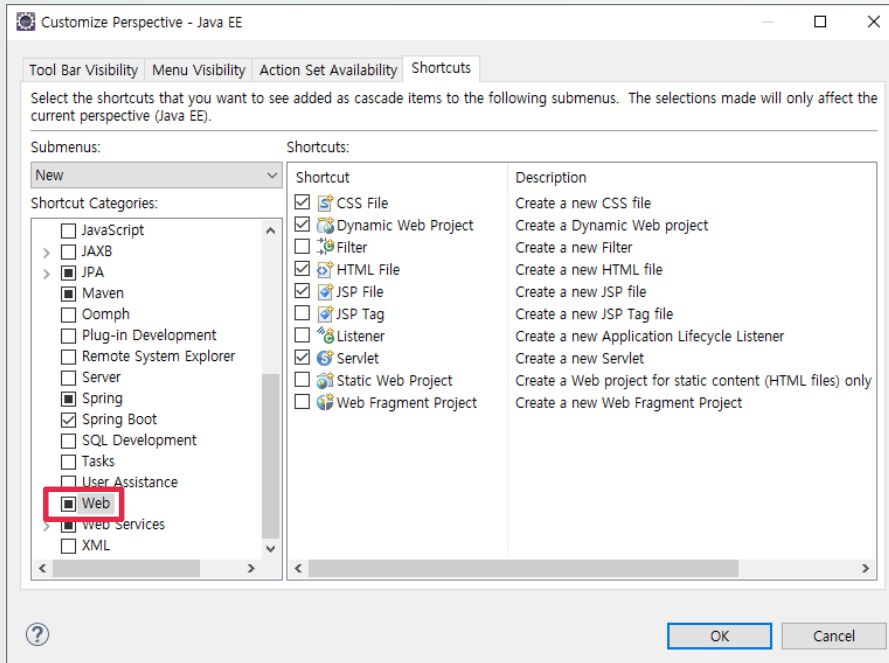
- window → **Perspective** → **Customize Perspective..** → **Shortcuts**



개발 환경 구축

5. 이클립스 필요 항목 추가

- window → **Perspective** → **Customize Perspective..** → **Shortcuts**



개발 환경 구축

6. 문자 set 설정

- window → preferences → General → Workspace → UTF-8
- window → preferences → Text Editors → Spelling → UTF-8
- window → preferences → JSON Files → UTF-8
- window → preferences → Web → CSS Files → UTF-8
- window → preferences → Web → HTML Files → UTF-8
- window → preferences → Web → JSP Files → UTF-8

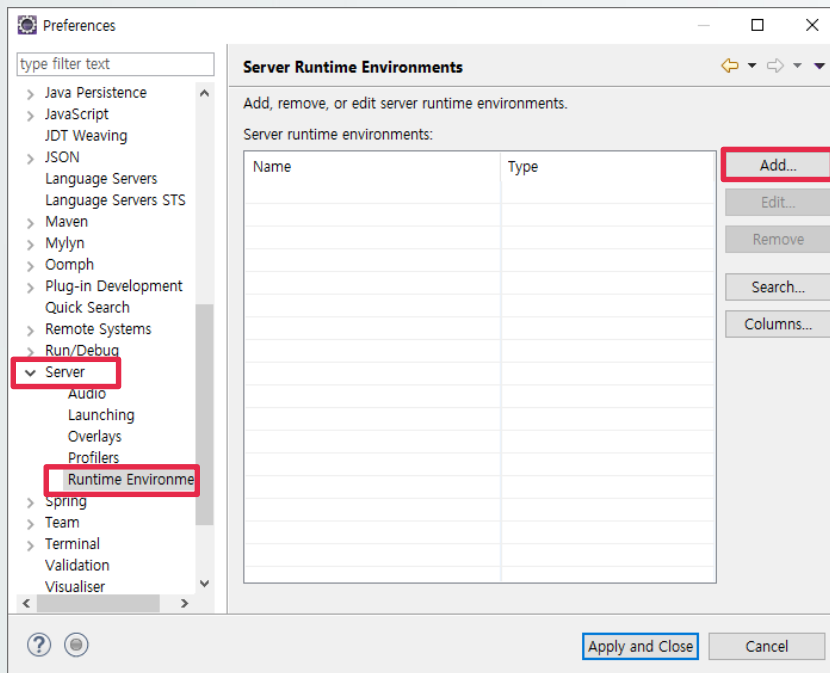
※ JDBC때 진행했던 것과 동일



개발 환경 구축

7. 아파치 톰캣 서버 구성

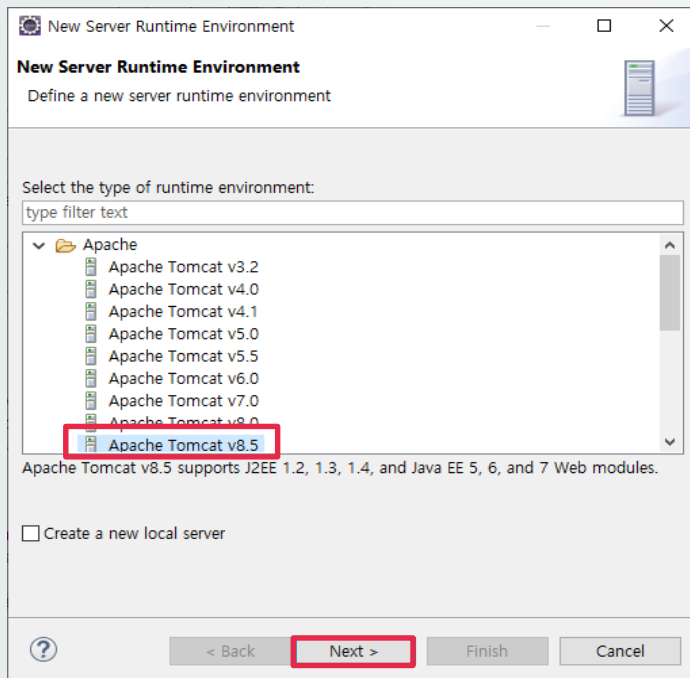
- window → preferences → Servers → Runtime Environments → Add



개발 환경 구축

7. 아파치 톰캣 서버 등록

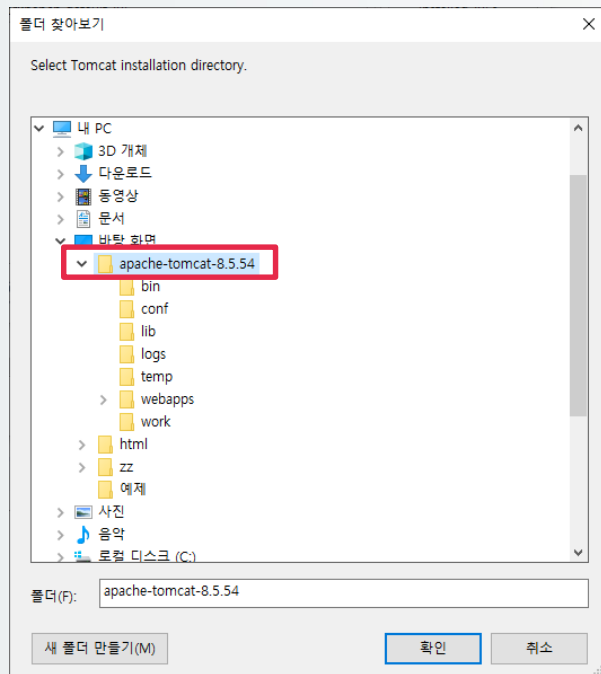
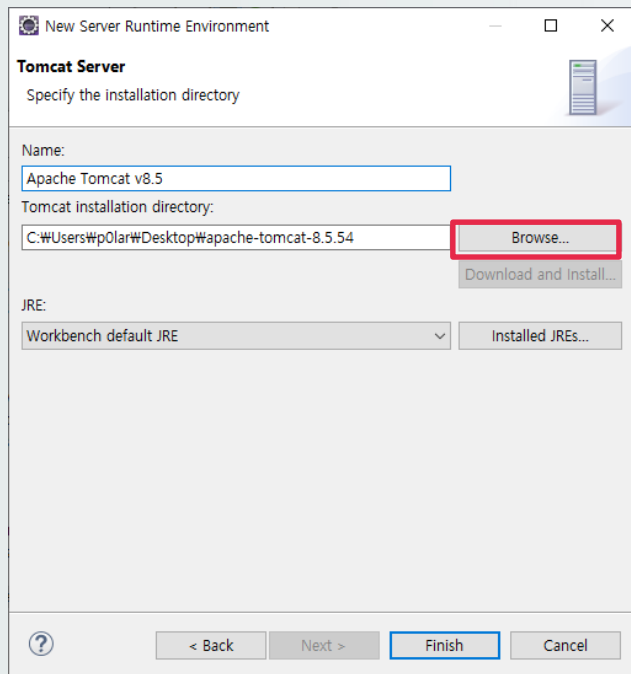
- 다운받은 톰캣 버전 구성



개발 환경 구축

7. 아파치 톰캣 서버 구성

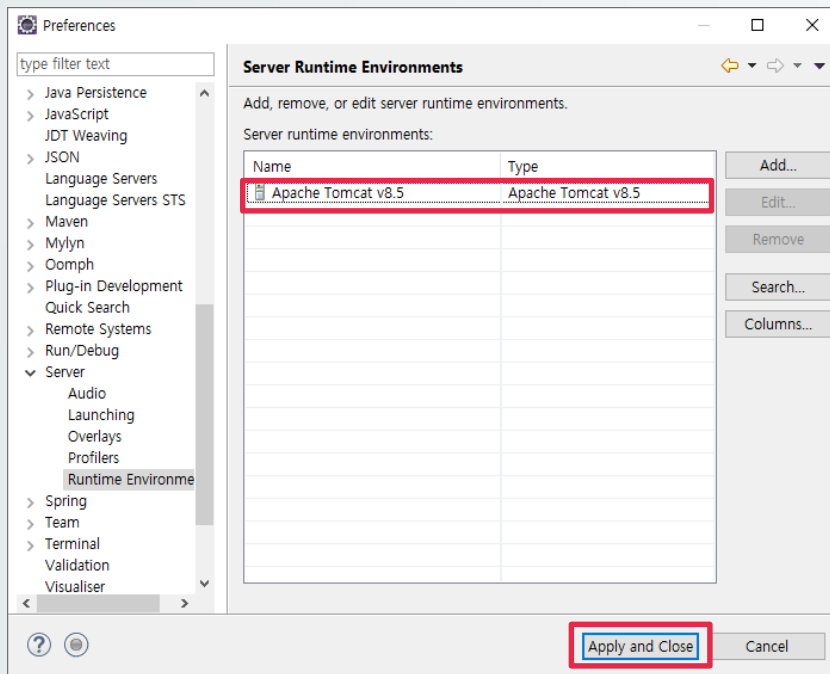
- Browse 후 압축 푼 아파치 톰캣 폴더 선택



개발 환경 구축

7. 아파치 톰캣 서버 구성

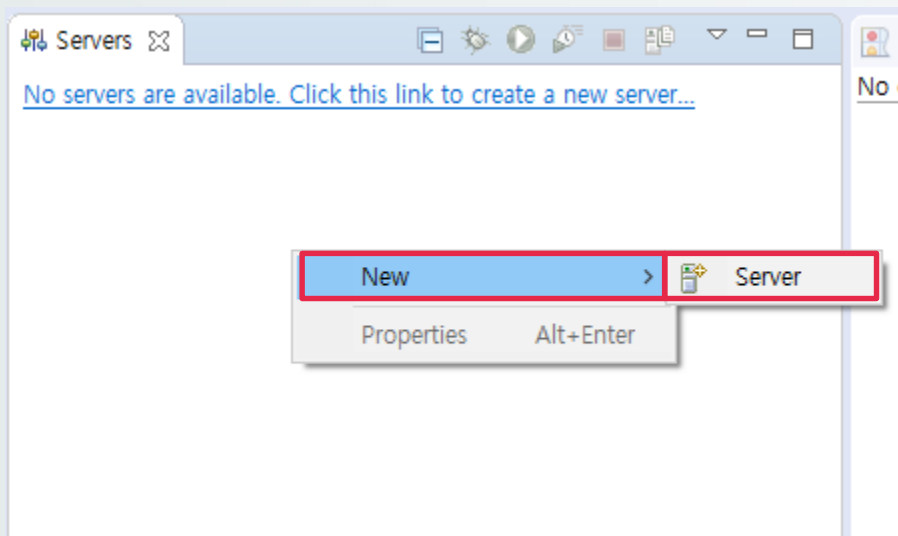
- 등록정보 확인 후 Apply and Close



개발 환경 구축

8. 아파치 톰캣 서버 등록

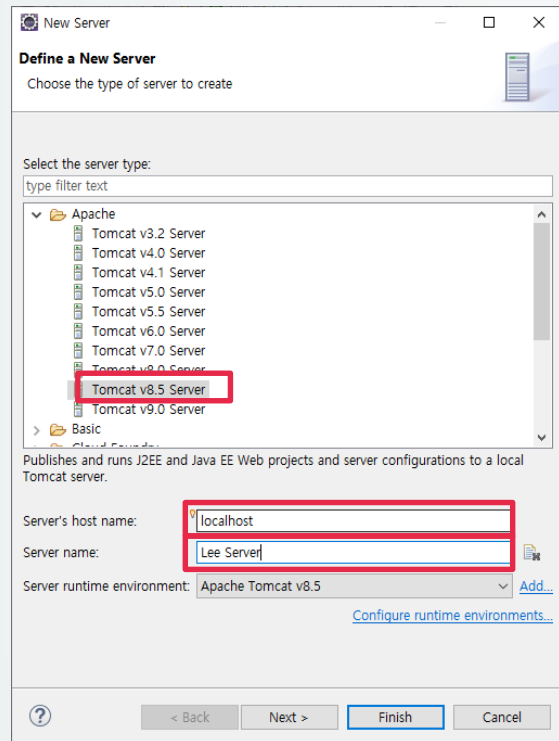
- Servers → 마우스 우클릭 → New → Server



개발 환경 구축

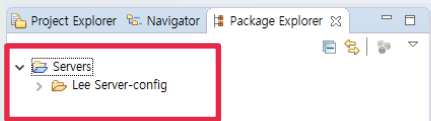
8. 아파치 톰캣 서버 등록

- 톰캣 버전 선택
- Server Name은 볼 이름을 지정
- Server runtime Environment 이전에 구성한 서버 목록이 뜬
현재 1개지만 여러 개인 경우 여러개



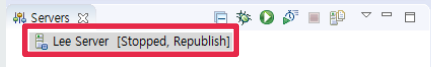
개발 환경 구축

9. 아파치 톰캣 서버 설정



자동으로 추가되며,
서버 관련파일 이므로
특별한 경우에만 수정X

서버 관련내용 수정 시
아래 추가된 서버 더블클릭



Problems Markers Properties Data Source Explorer
No consoles to display at this time.

개발 환경 구축

9. 아파치 톰캣 서버 설정

Lee Server 23

OverviewLee Server

General Information

Specify the host name and other common settings.

Server name: Lee Server

Host name: localhost

Runtime Environment: Apache Tomcat v8.5

Configuration path: /Servers/Lee Server-config

Open launch configuration

Server Locations

Specify the server path (i.e. catalina.base) and deploy path. Server must be published with no modules present to make changes.

☒ Use workspace metadata (does not modify Tomcat installation)

☐ Use Tomcat installation (takes control of Tomcat installation)

☐ Use custom location (does not modify Tomcat installation)

Server path: .metadata\plugins\org.eclipse.wst.server.core\tmp0

Set deploy path to the default value (currently set)

Deploy path: wtpwebapps

Server Options

Enter settings for the server.

☒ Serve modules without publishing

☐ Publish module contexts to separate XML files

☒ Modules auto reload by default

☐ Enable security

☐ Enable Tomcat debug logging (not supported by this Tomcat version)

Publishing

Timeouts

Ports

Modify the server ports.

Port Name	Port Number
Tomcat admin port	8005
HTTP/1.1	80

MIME Mappings

내가 사용할 port번호 지정

여러 개 서버 운영 시 port번호 겹치지 않게 설정



개발 환경 구축

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Port Name	Port Number
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HTTP/1.1	80

MIME Mappings

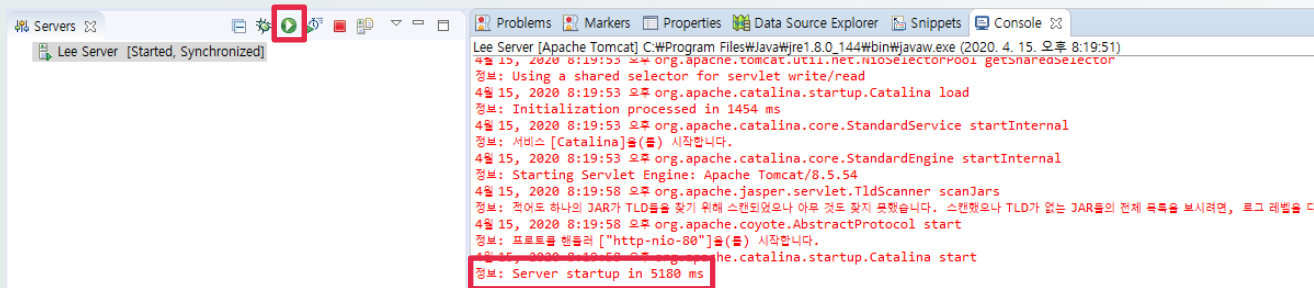
파일 업로드 시 경로지정을 위한 설정 checkbox를 반드시 check해줄 것



개발 환경 구축

10. 아파치 톰캣 서버 실행 테스트

- 서버 실행 후 Server startup 메시지 확인



```
Lee Server [Apache Tomcat] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (2020. 4. 15. 오후 8:19:51)
4월 15, 2020 8:19:53 오후 org.apache.tomcat.util.net.NioSelectorPool getSnaredSelector
정보: Using a shared selector for servlet write/read
4월 15, 2020 8:19:53 오후 org.apache.catalina.startup.Catalina load
정보: Initialization processed in 1454 ms
4월 15, 2020 8:19:53 오후 org.apache.catalina.core.StandardService startInternal
정보: 서비스 [Catalina]을(를) 시작합니다.
4월 15, 2020 8:19:53 오후 org.apache.catalina.core.StandardEngine startInternal
정보: Starting Servlet Engine: Apache Tomcat/8.5.54
4월 15, 2020 8:19:58 오후 org.apache.jasper.servlet.TldScanner scanJars
정보: 적어도 하나의 JAR가 TLD를 찾기 위해 스캔되었으나 아무 것도 찾지 못했습니다. 스캔했으나 TLD가 없는 JAR들의 전체 목록을 표시하려면, 로그 레벨을 더
4월 15, 2020 8:19:58 오후 org.apache.coyote.AbstractProtocol start
정보: 프로토콜 핸들러 ["http-nio-80"]을(를) 시작합니다.
4월 15, 2020 8:19:58 오후 org.apache.catalina.startup.Catalina start
정보: Server startup in 5180 ms
```