


프로그램 설치


- 다운로드-깃허브에 있음(설치는 교육중에 설치)
 - apache-tomcat-8.5.64
 - mysql-connector-java-5.1.46
- 아래 프로그램이 설치 되어 있어야 함
 - Mysql
 - jdk
 - eclipse

■ Mysql : mysql-installer-community-5.7.9.1

- <https://downloads.mysql.com/archives/installer/>

 **MySQL Product Archives**


← MySQL Installer (Archived Versions)

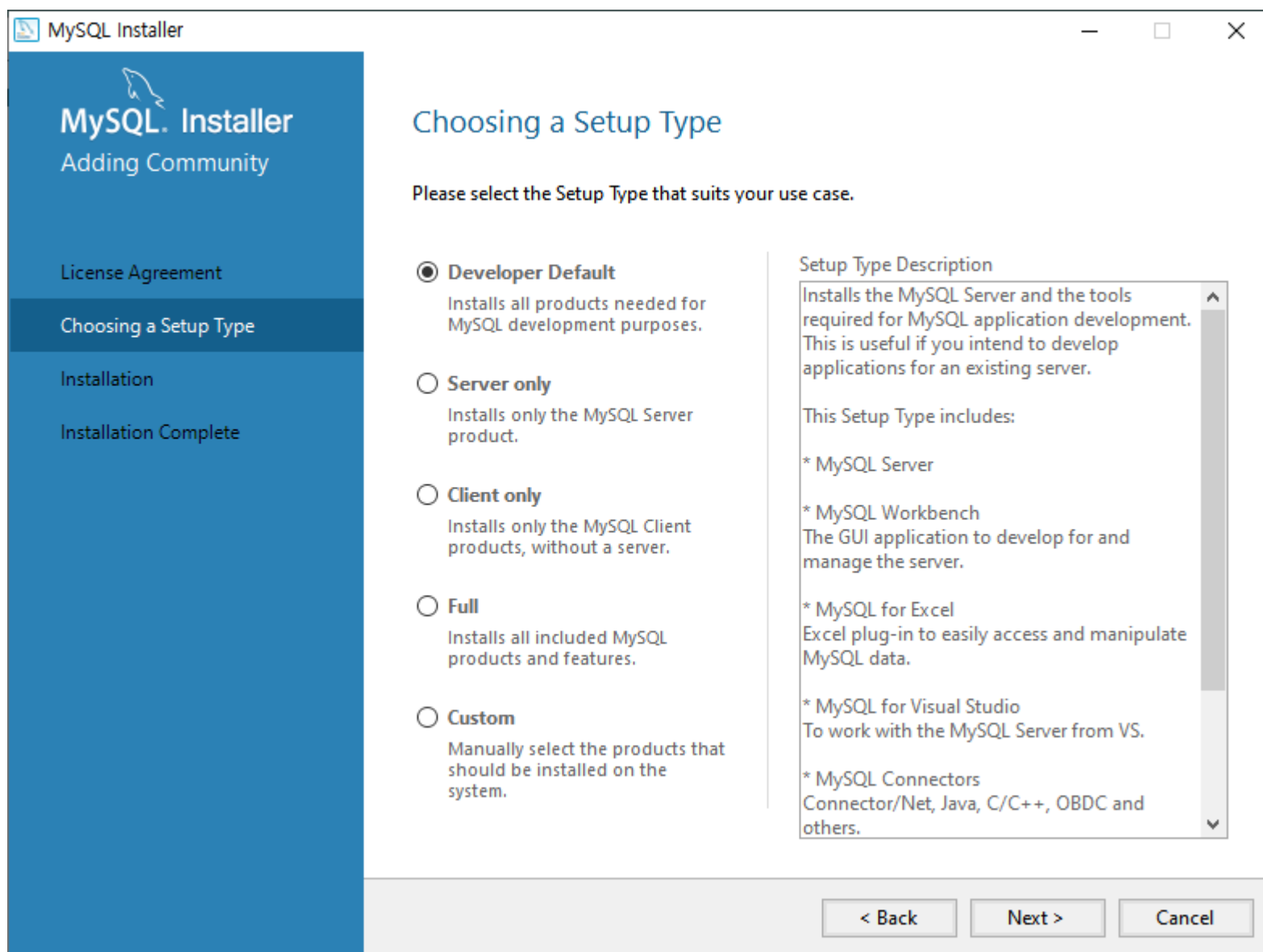
 **Please note that these are old versions. New releases will have recent bug fixes and features!**
To download the latest release of MySQL Installer, please visit [MySQL Downloads](#).

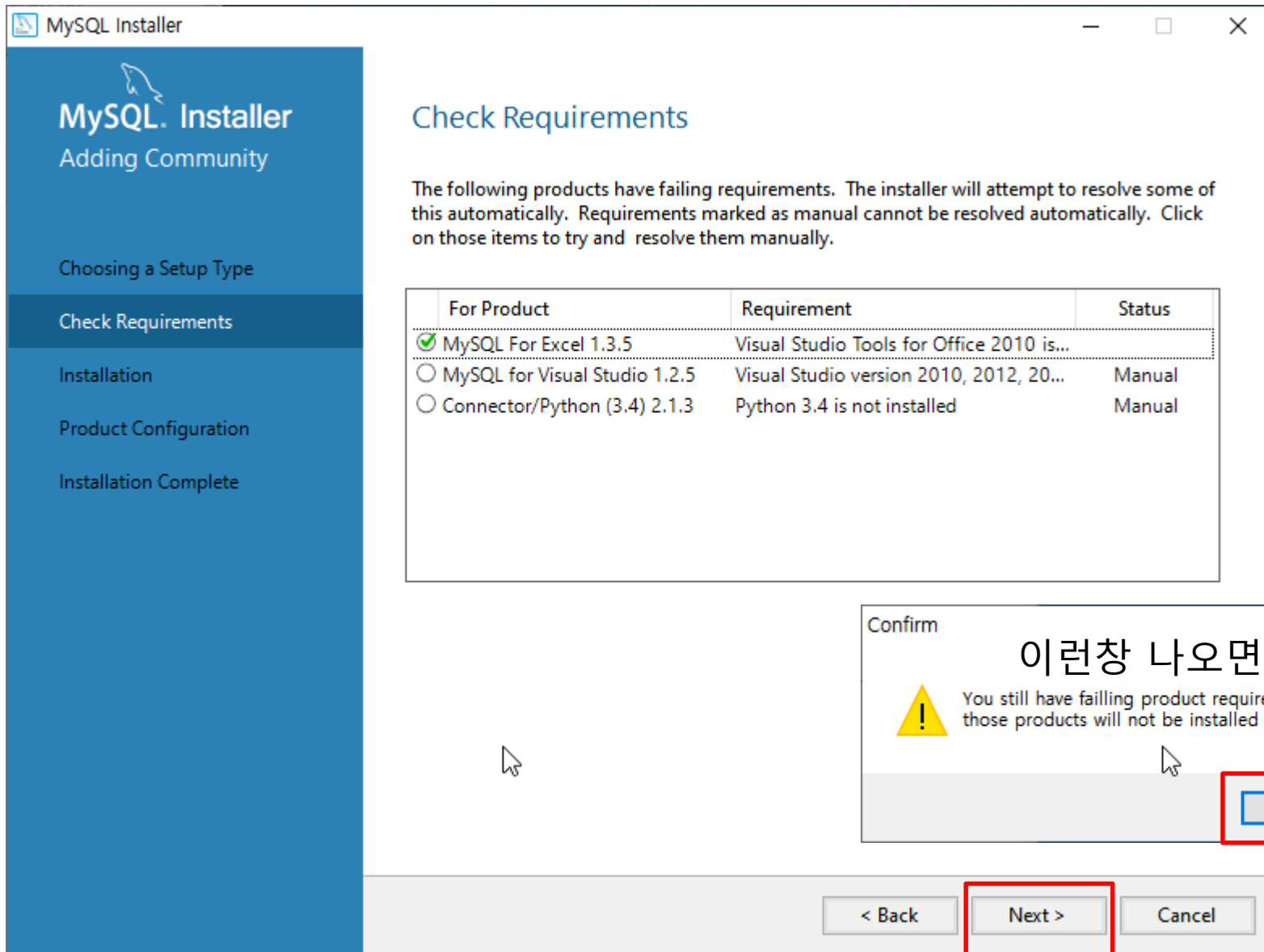
Product Version:

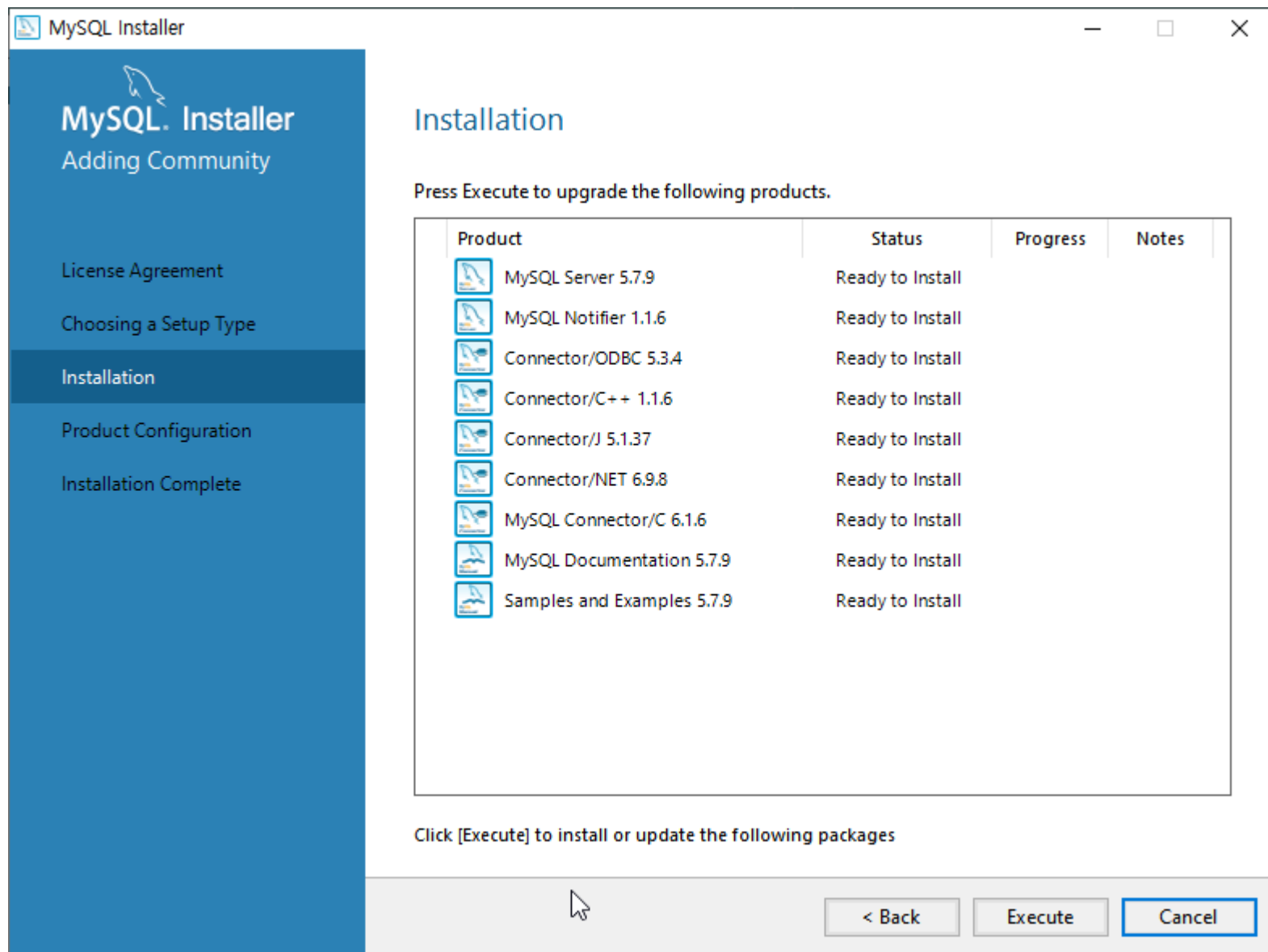
Operating System:

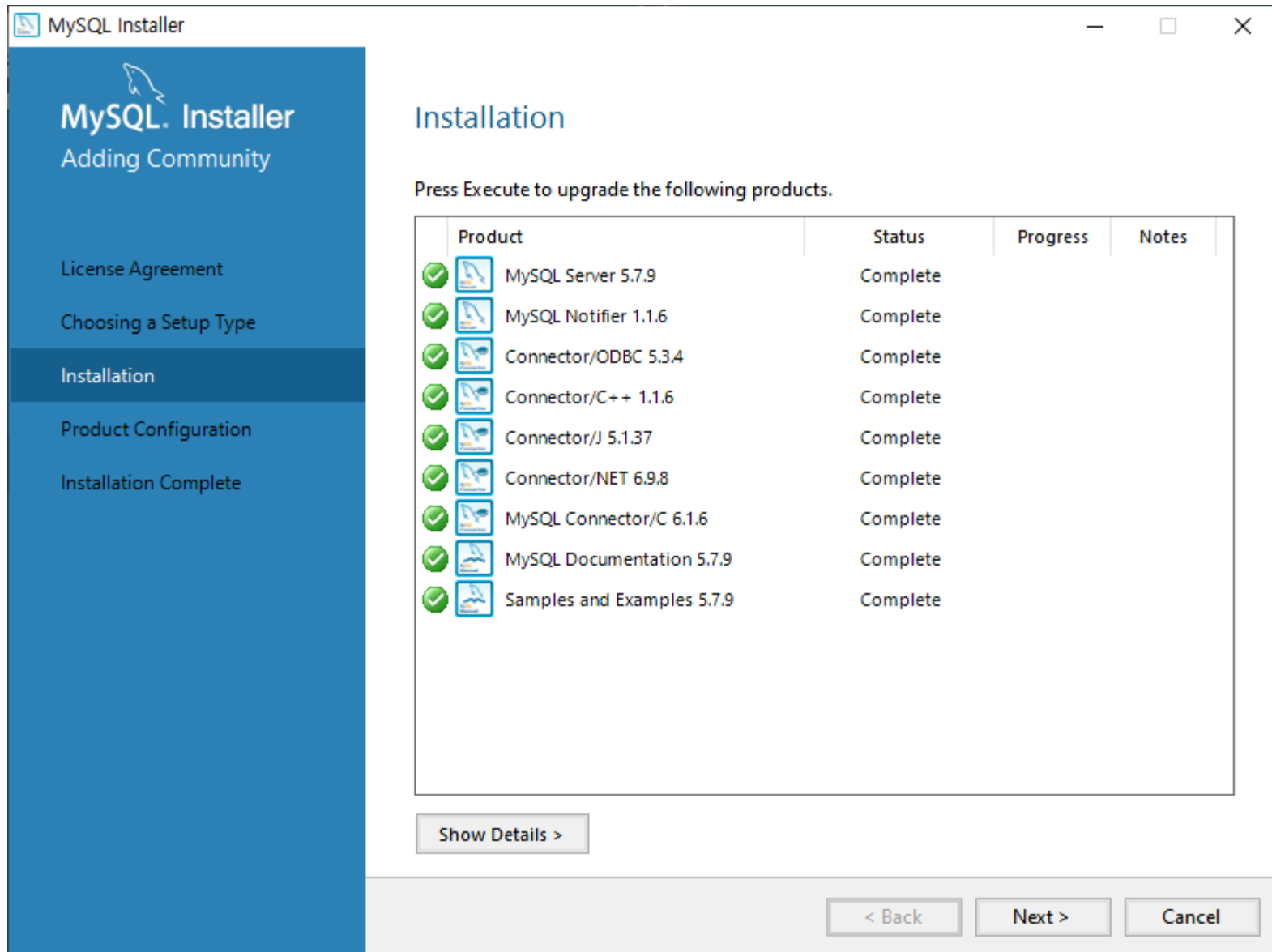
Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-5.7.9.0.msi)	Oct 19, 2015	1.6M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-5.7.9.1.msi)	Oct 29, 2015	371.2M	Download

 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.









MySQL Installer

MySQL Server 5.7.9

Type and Networking

Accounts and Roles

Windows Service

Apply Server Configuration

Type and Networking

Server Configuration Type

Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.

Config Type:

Connectivity

Use the following controls to select how you would like to connect to this server.

☒ TCP/IP Port Number:

☒ Open Firewall port for network access

☐ Named Pipe Pipe Name:

☐ Shared Memory Memory Name:

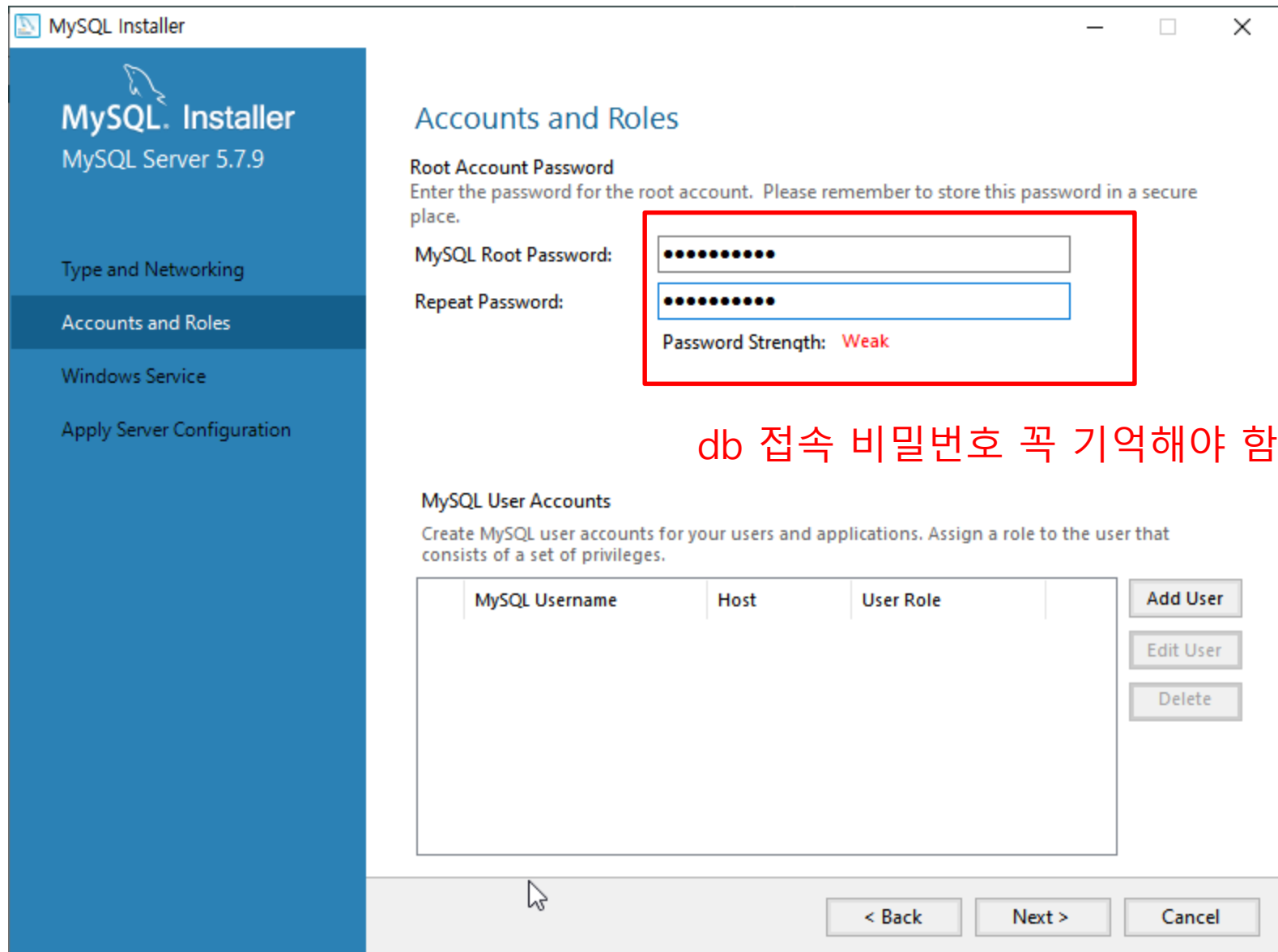
Advanced Configuration

Select the checkbox below to get additional configuration page where you can set advanced options for this server instance.

☐ Show Advanced Options

Next >

Cancel



The image shows the MySQL Installer window for MySQL Server 5.7.9. The left sidebar contains the following options: MySQL Installer, MySQL Server 5.7.9, Type and Networking, Accounts and Roles (selected), Windows Service, and Apply Server Configuration. The main area is titled 'Accounts and Roles' and contains the following sections:

Root Account Password
Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password Strength: **Weak**

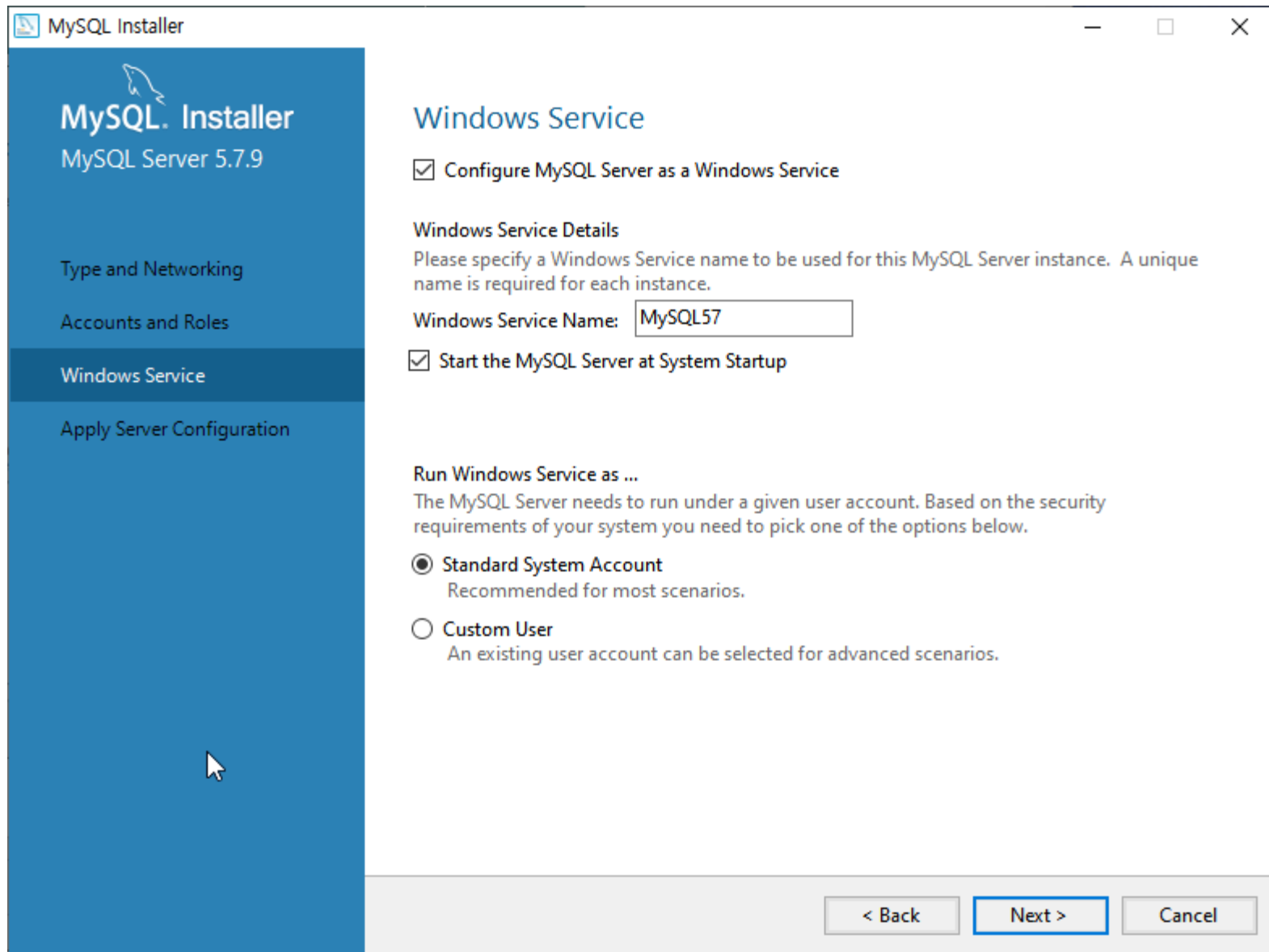
MySQL User Accounts
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

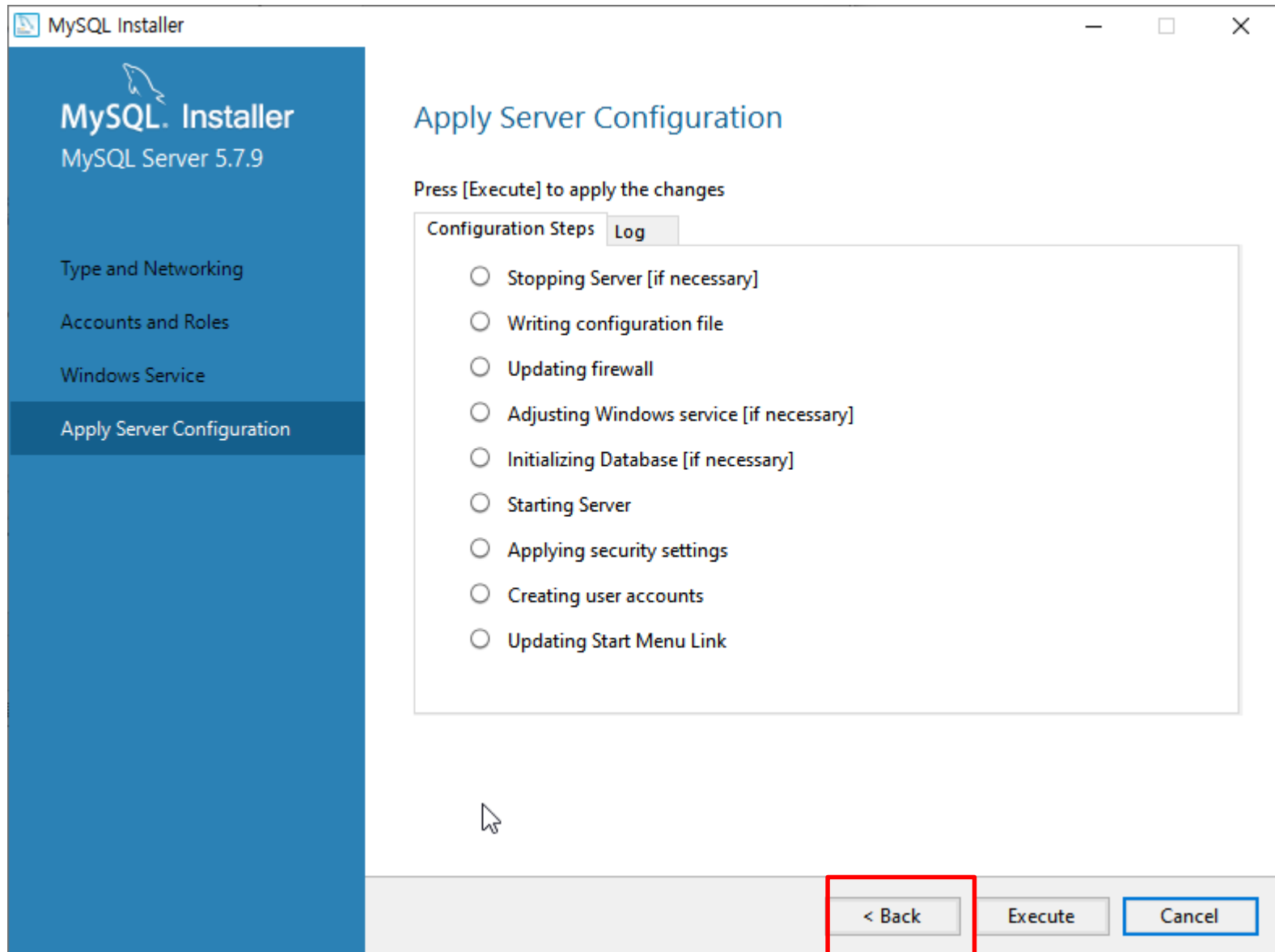
MySQL Username	Host	User Role
----------------	------	-----------

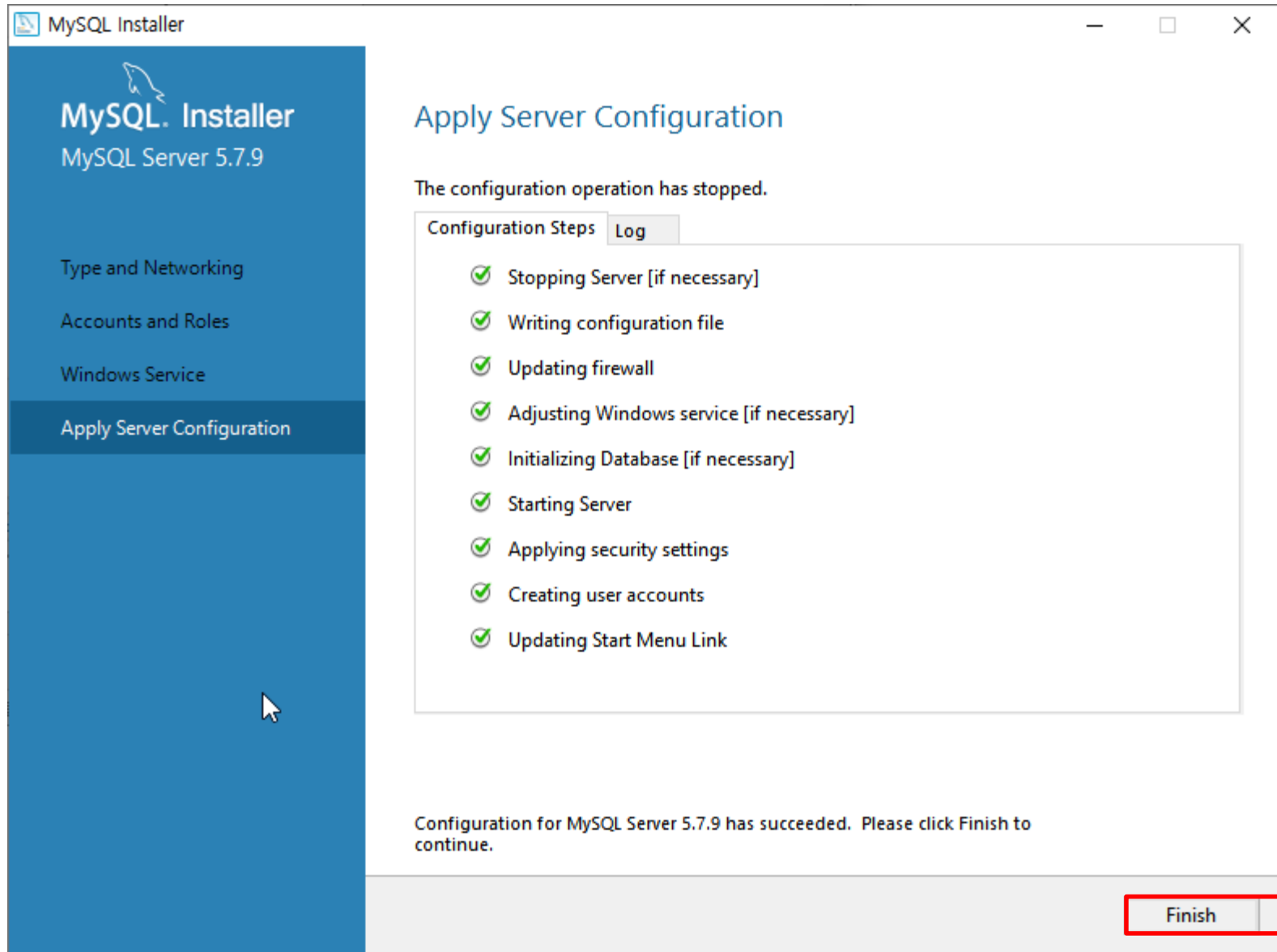
Buttons: Add User, Edit User, Delete

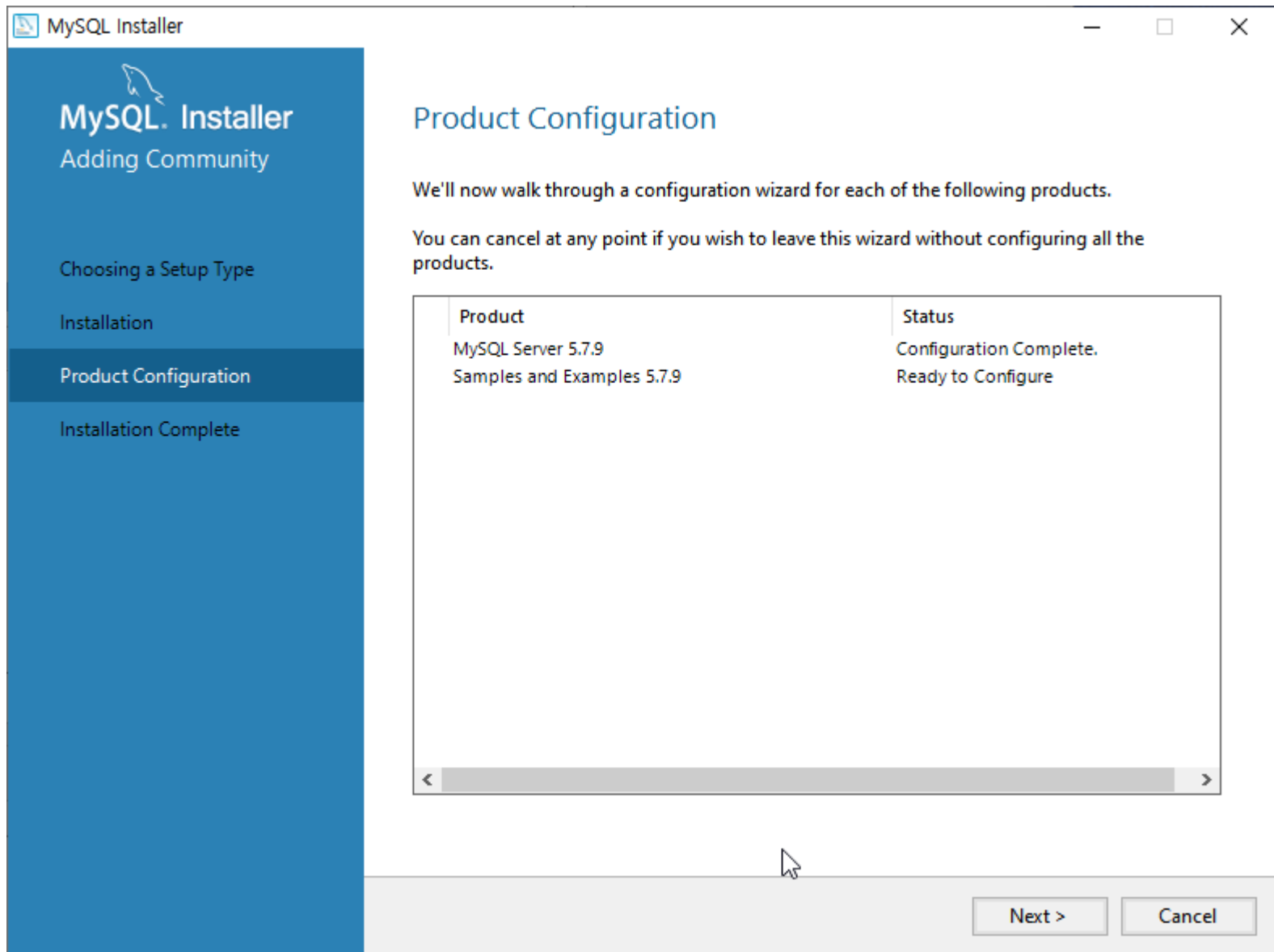
Navigation: < Back, Next >, Cancel

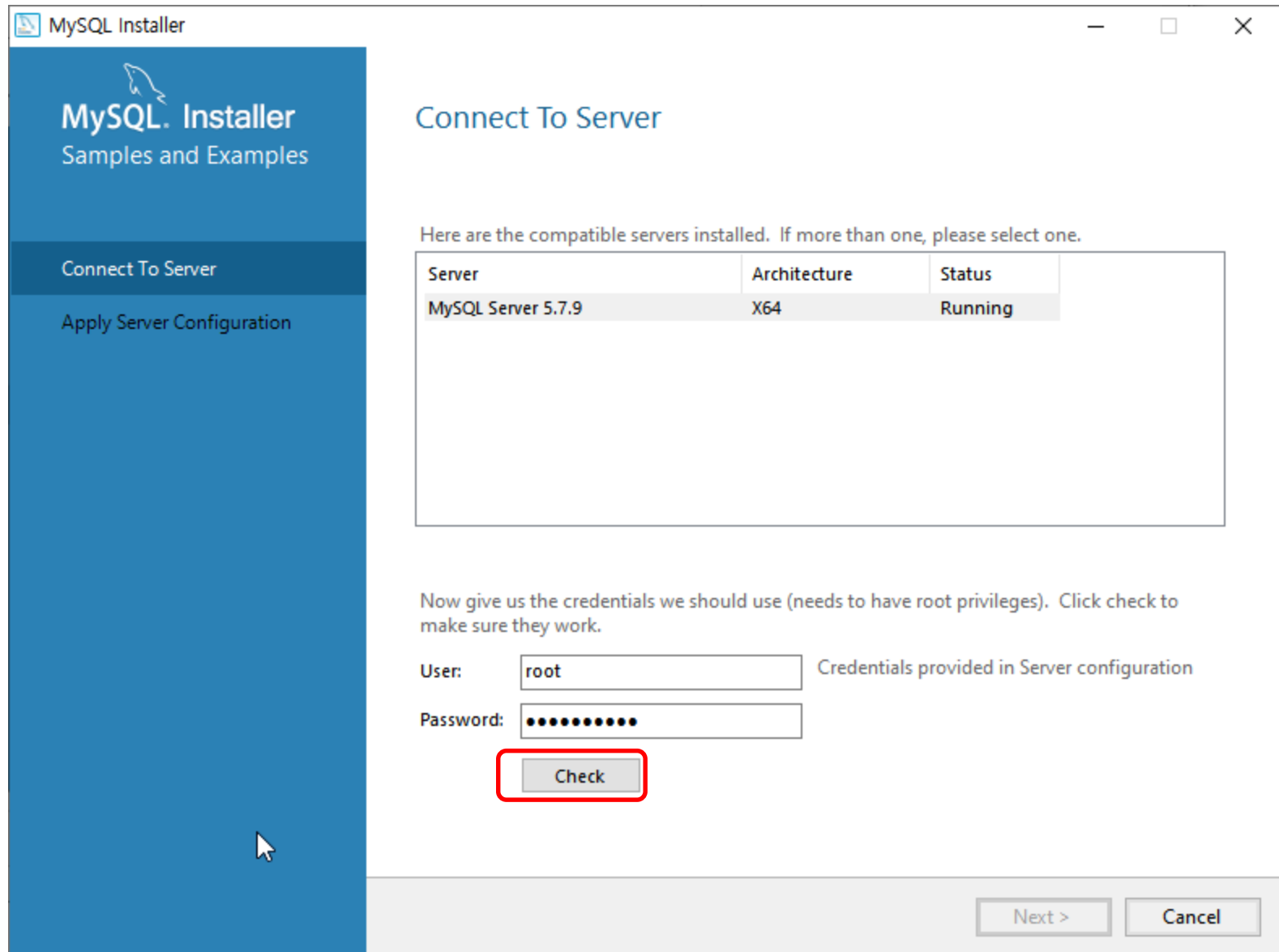
db 접속 비밀번호 꼭 기억해야 함

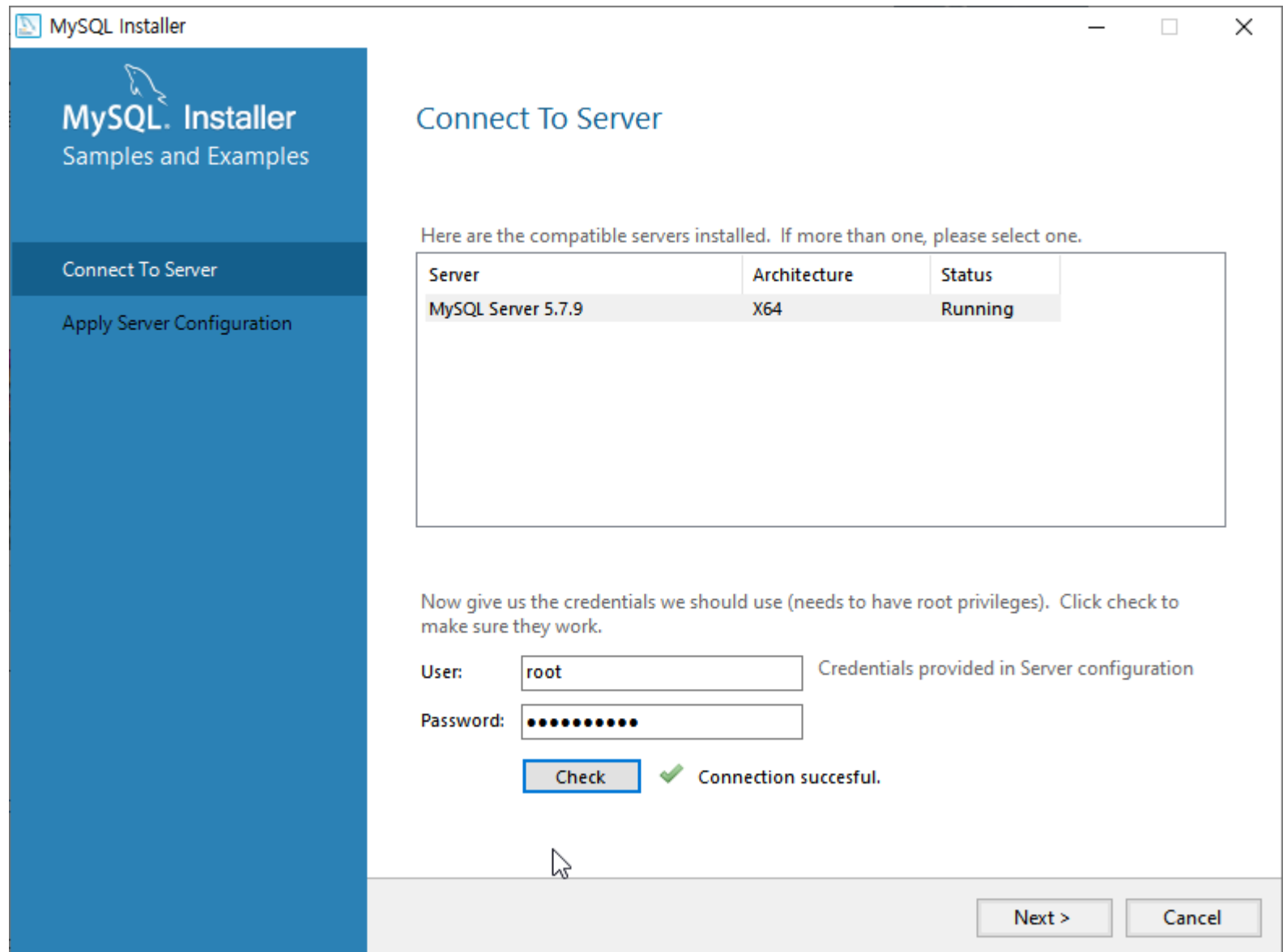


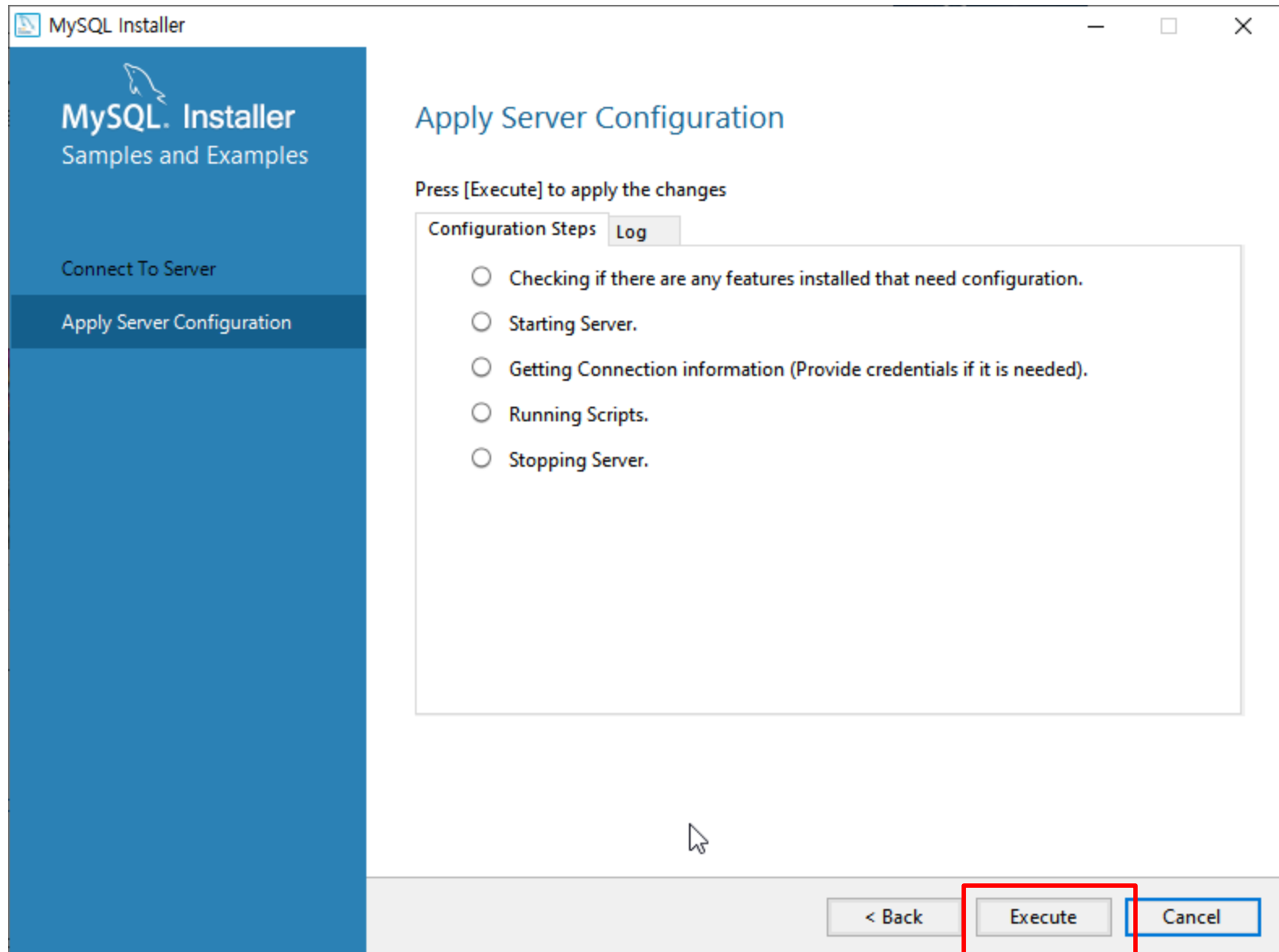


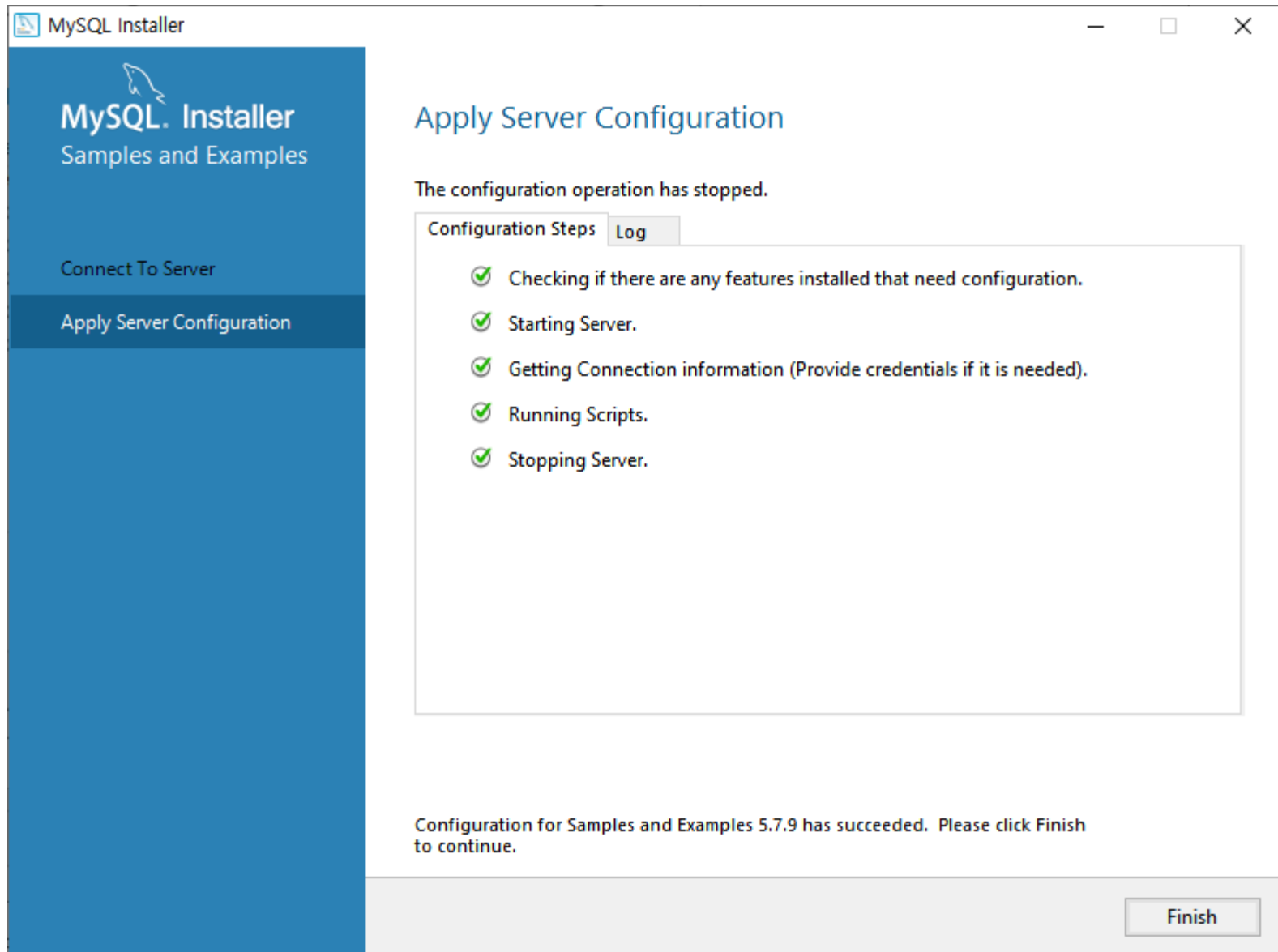


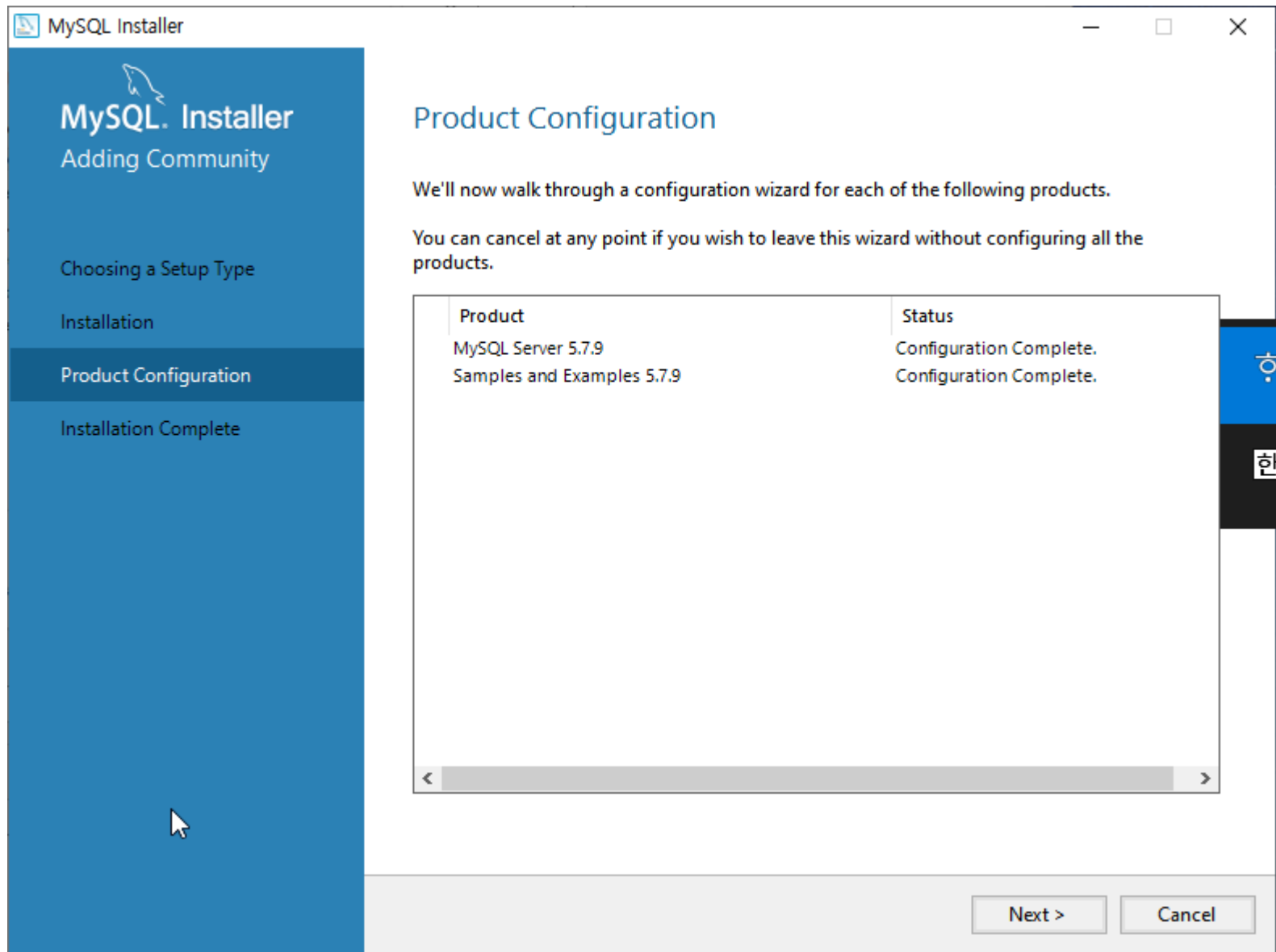


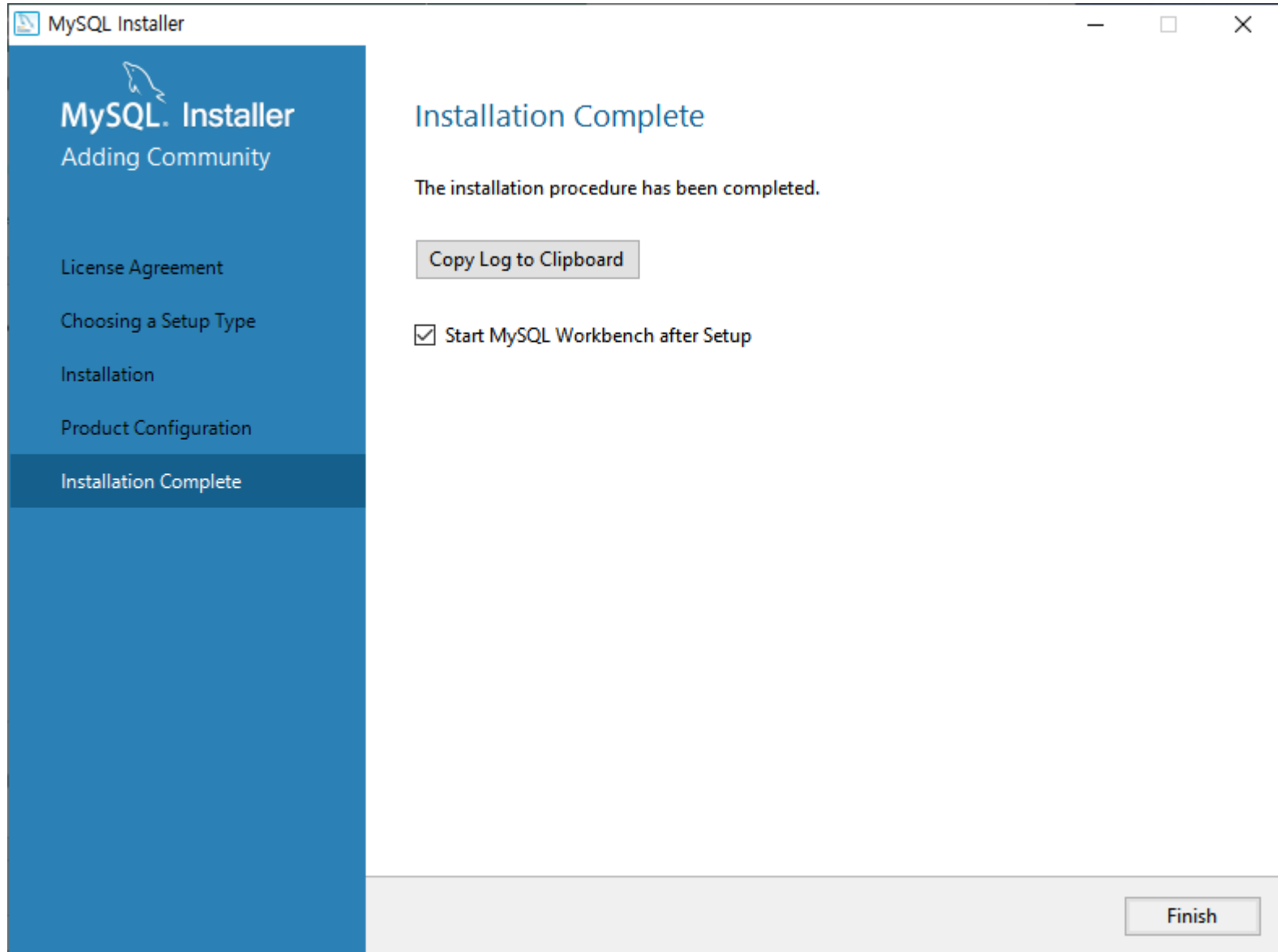




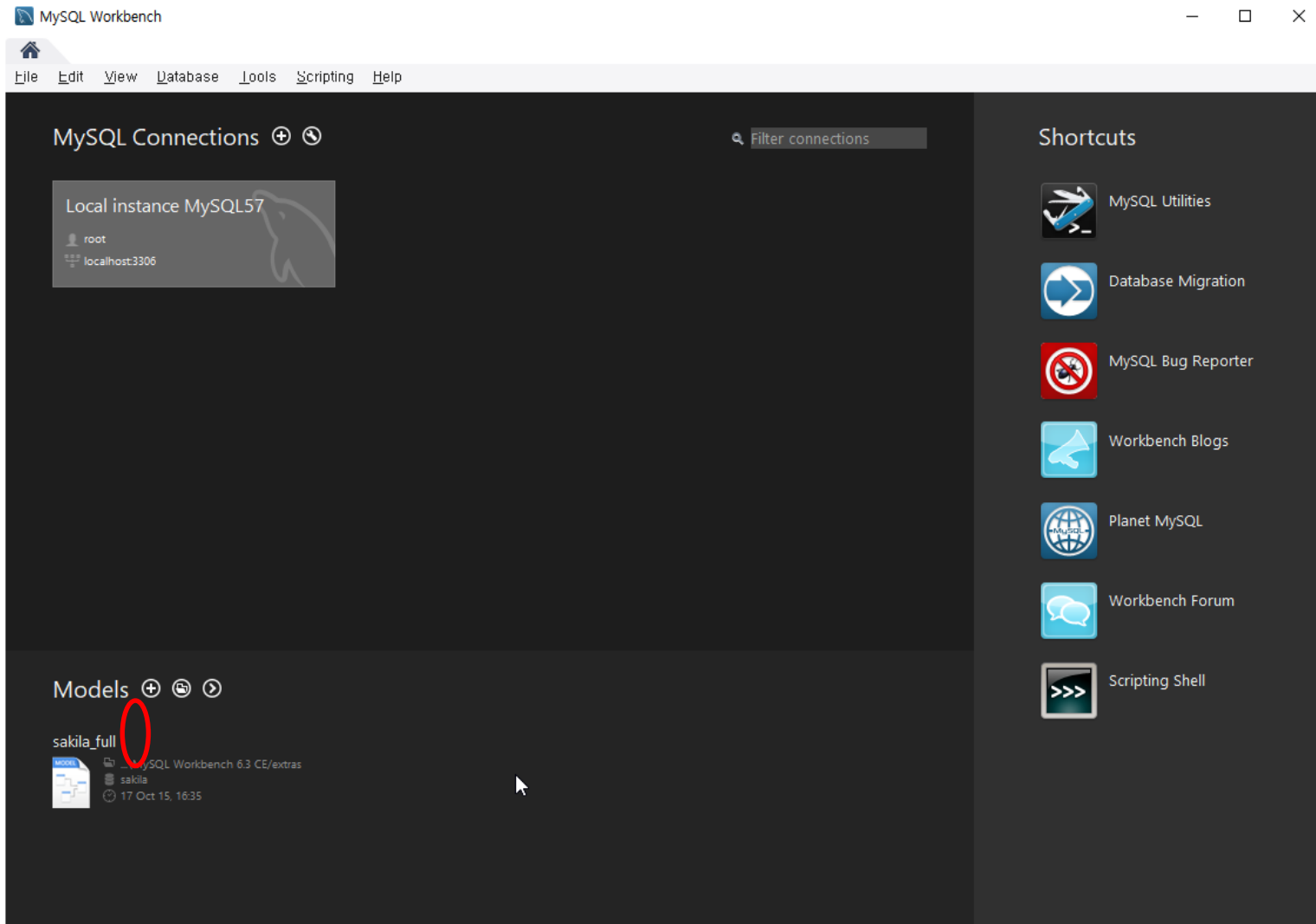








Mysql 워크 벤치 실행 화면



톰캣 설치

- https://github.com/hallymsw/2021_major_program/tree/main/4_jsp_servlet
 - [apache-tomcat-8.5.64.exe](#) 설치
 - 설치된 폴더 반드시 기억

- https://github.com/hallymsw/2021_major_program/tree/main/4_jsp_servlet
 - jdk-8u231-windows-x64.exe 설치

이클립스 설치

- 이클립스 다운로드
- <https://www.eclipse.org/downloads/>

The screenshot shows the Eclipse Technology website homepage. At the top, there's a header with the text "Download Eclipse Technology that is right for you". To the right, there's a blue box for "JAKARTA EE THE 2020 JAKARTA EE DEVELOPER SURVEY RESULTS ARE LIVE" with a "GET THE RESULTS" button. Below the header, there's a section for "Tool Platforms" featuring "Eclipse Che" and "ORION". On the left, there's a section for "Get Eclipse IDE 2021-03" with a "Download x86_64" button highlighted by a red rectangle. A blue box above the IDE section mentions "The Eclipse Installer 2021-03 R now includes a JRE for macOS, Windows and Linux."

Download Eclipse Technology
that is right for you

JAKARTA EE
THE 2020 JAKARTA EE
DEVELOPER SURVEY
RESULTS ARE LIVE
Download the results to the enterprise Java
ecosystem's leading survey today!
GET THE RESULTS
Sponsored Ad

The Eclipse Installer 2021-03 R now includes a JRE for
macOS, Windows and Linux.

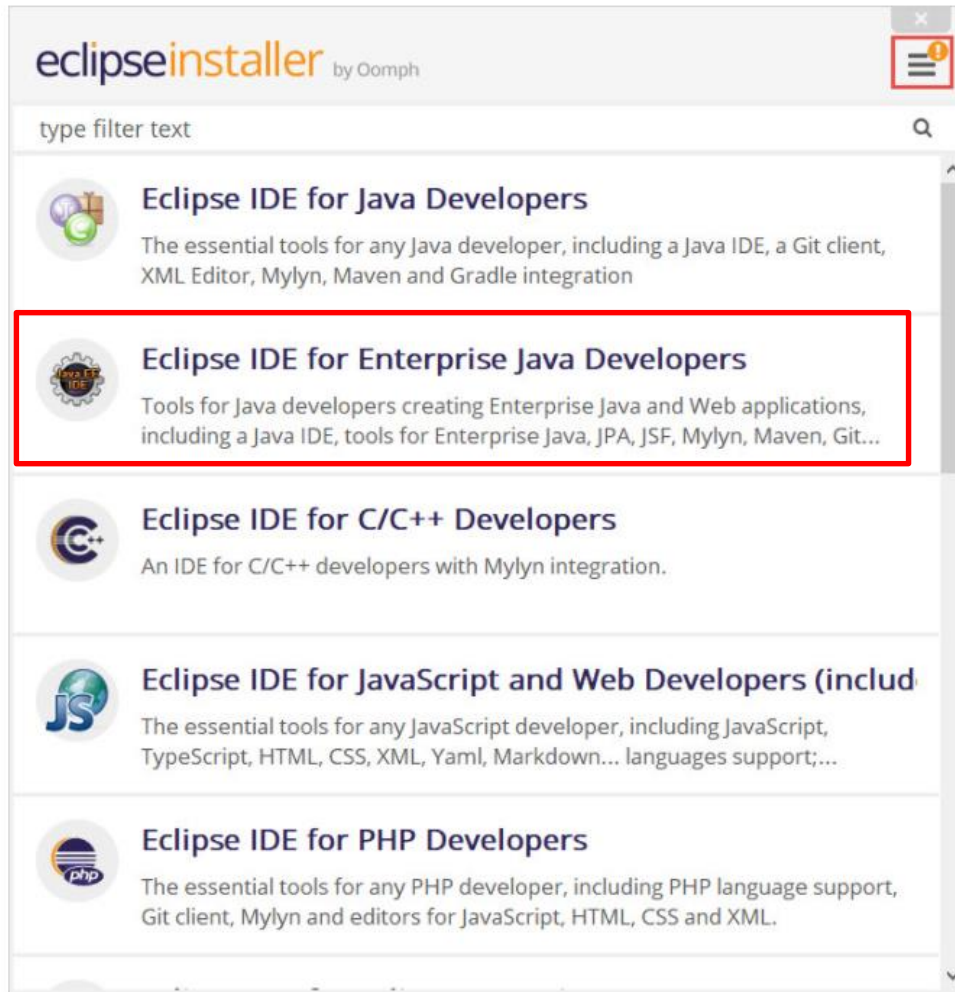
Get **Eclipse IDE 2021-03**
Install your favorite desktop IDE packages.
Download x86_64

Tool Platforms

Eclipse Che
Eclipse Che is a developer
workspace server and cloud IDE.

ORION
A modern, open source software
development environment that
runs in the cloud.

이클립스 설치



이클립스 톰캣 연동

The screenshot shows the Eclipse IDE interface. The **Window** menu is open, displaying options like **New Window**, **Editor**, **Appearance**, **Show View**, **Perspective**, **Navigation**, **Web Browser**, and **Preferences**. The **Show View** submenu is also open, listing various views such as **Bookmarks**, **Console**, **Data Source Explorer**, **Markers**, **Navigator (Deprecated)**, **Outline**, **Project Explorer**, **Properties**, **Search**, **Servers**, **Snippets**, **Task List**, and **Other...**. The **Project Explorer** on the left shows a project named **Jdbc_lecture** with subfolders **src**, **JRE System Library [JavaSE-15]**, and **Referenced Libraries**. Under **Servers**, there is a **Tomcat v8.5 Server at localhost-config** with associated files like **catalina.policy**, **catalina.properties**, **context.xml**, **server.xml**, **tomcat-users.xml**, and **web.xml**. The **Console** at the bottom displays logs for the Tomcat server, including messages about the HTTP handler pausing and the service stopping. The **Show View** dialog is open on the right, with a search filter **type filter text** and a list of views. The **Servers** view is selected, and the **Open** button is highlighted.

eclipse - Eclipse IDE

File Edit Navigate Search Project Run Window Help

Project Explorer

Jdbc_lecture

- src
- JRE System Library [JavaSE-15]
- Referenced Libraries
- Servers
 - Tomcat v8.5 Server at localhost-config
 - catalina.policy
 - catalina.properties
 - context.xml
 - server.xml
 - tomcat-users.xml
 - web.xml

Window

- New Window
- Editor
- Appearance
- Show View
- Perspective
- Navigation
- Web Browser
- Preferences

Show View

- Bookmarks
- Console Alt+Shift+Q, C
- Data Source Explorer
- Markers
- Navigator (Deprecated)
- Outline Alt+Shift+Q, O
- Project Explorer
- Properties
- Search Alt+Shift+Q, S
- Servers
- Snippets
- Task List Alt+Shift+Q, K
- Other... Alt+Shift+Q, Q

Markers Properties Snippets Console

<terminated> Tomcat v8.5 Server at localhost [Apache Tomcat] C:\Users\Whallym\p2\workspace

4월 02, 2021 12:45:27 오후 org.apache.coyote.AbstractProtocol pause

INFO: 프록토콜 핸들러 ["http-nio-8089"]을 일시 정지 중

4월 02, 2021 12:45:27 오후 org.apache.catalina.core.StandardService stop

INFO: 서비스 [Catalina]을 중지시킵니다.

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by org.apache.catalina.loader.WebappClassLoader\$2 (file:/C:/Program Files/Apache/Tomcat/Tomcat.jar) to method java.lang.ProcessImpl.start0()

WARNING: Please consider reporting this to the maintainers of org.apache.catalina.loader.WebappClassLoader\$2

WARNING: Use --illegal-access=warn to enable warnings of this kind. Use --illegal-access=warn to enable warnings of this kind. Use --illegal-access=warn to enable warnings of this kind. Use --illegal-access=warn to enable warnings of this kind.

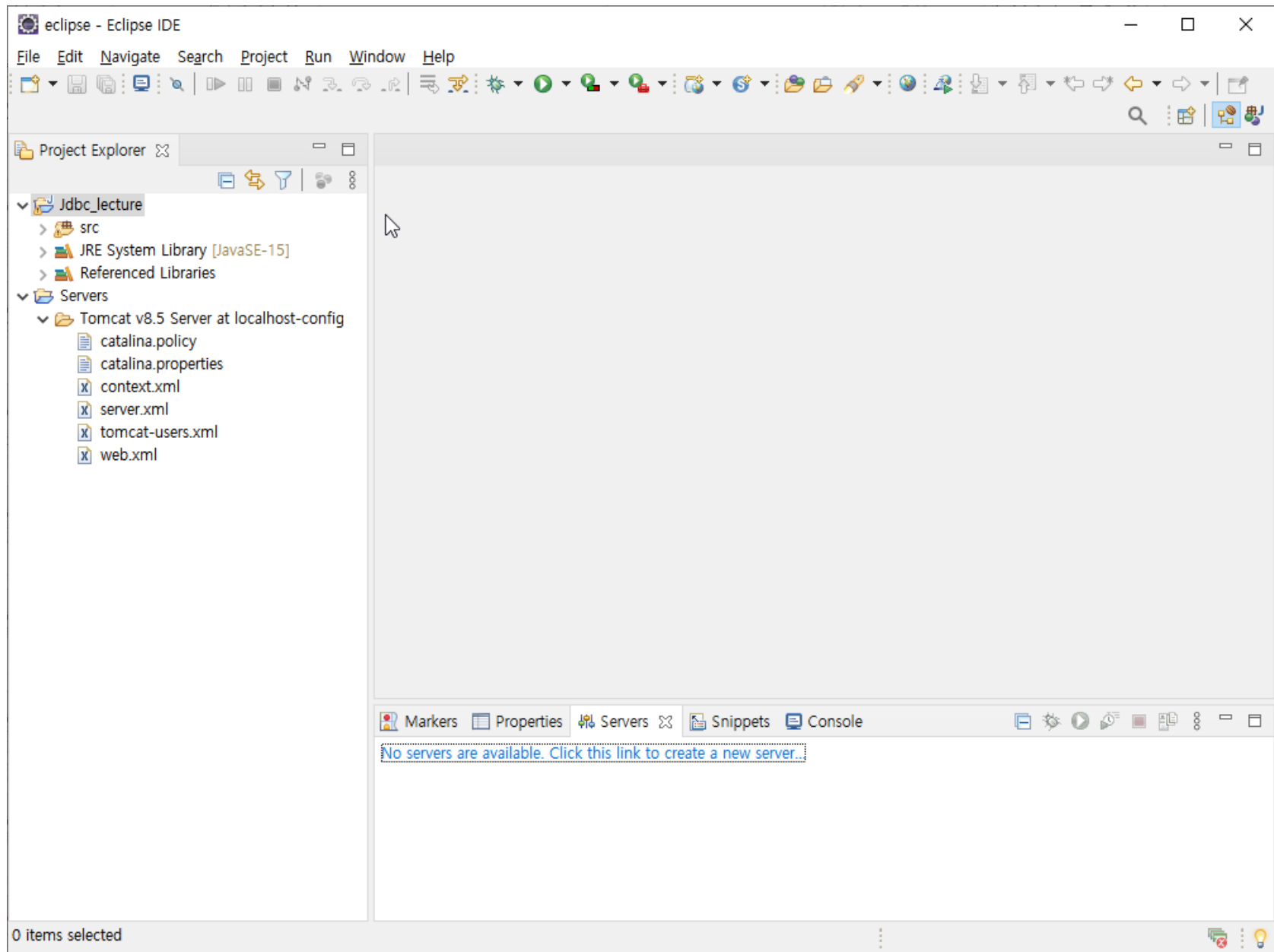
Show View

type filter text


- Java
- Java Browsing
- JavaServer Faces
- JPA
- Maven
- Mylyn
- Oomph
- Plug-in Development
- Server
 - Servers
- Terminal
- Version Control (Team)
- Web Services
- XML
- Other

Open Cancel

이클립스 톰캣 연동



이클립스 톰캣 연동

 New Server

Define a New Server

Choose the type of server to create

Select the server type:

type filter text

- Tomcat v5.0 Server
- Tomcat v5.5 Server
- Tomcat v6.0 Server
- Tomcat v7.0 Server
- Tomcat v8.0 Server
- Tomcat v8.5 Server**
- Tomcat v9.0 Server


Publishes and runs J2EE and Java EE Web projects and server configurations to a local Tomcat server.

Server's host name: localhost

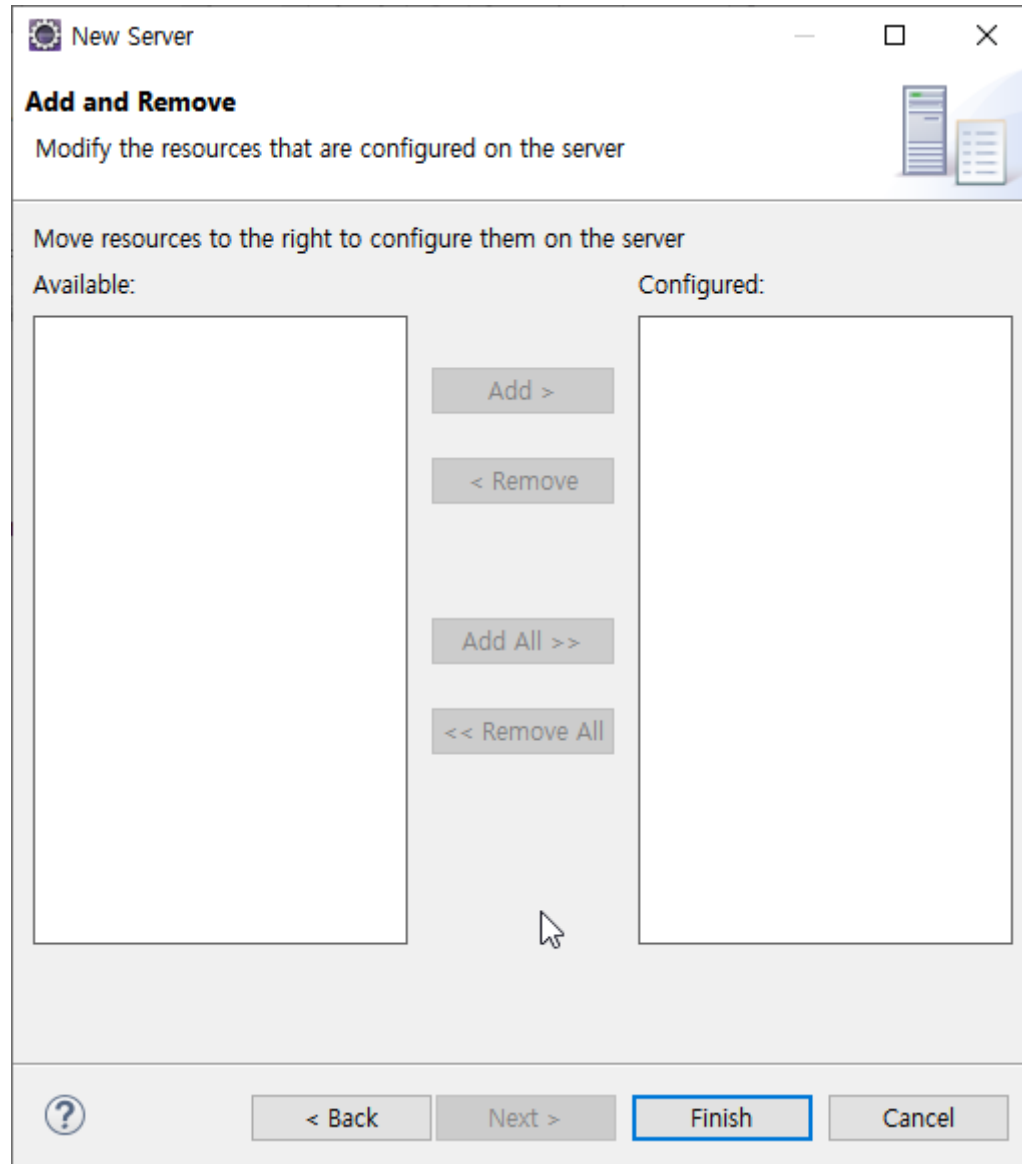
Server name: Tomcat v8.5 Server at localhost

Server runtime environment: Apache Tomcat v8.5 [Add...](#)

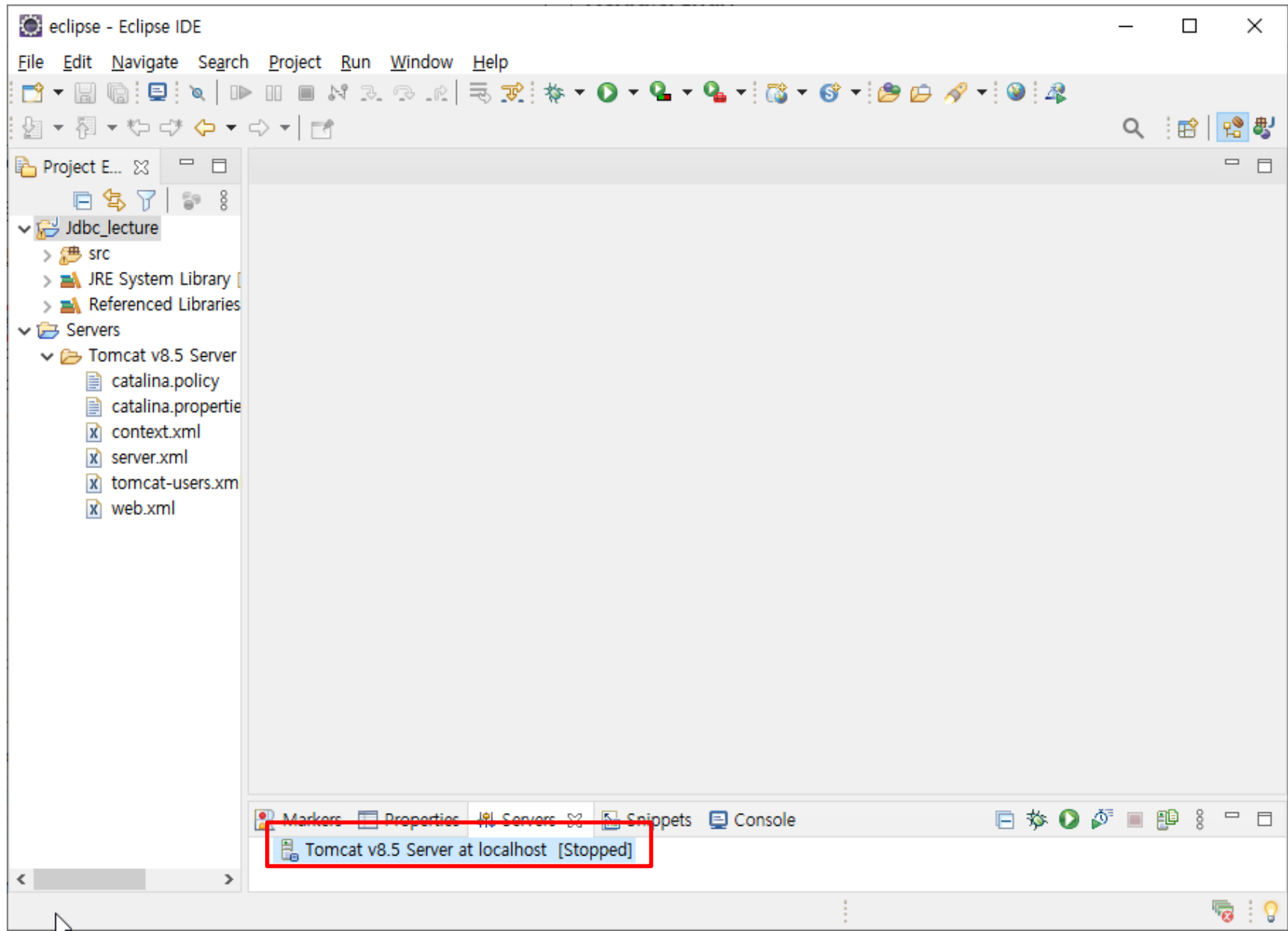
[Configure runtime environments...](#)

 < Back Next > **Finish** Cancel

이클립스 톰캣 연동



이클립스 톰캣 연동



이클립스 톰캣 연동

Tomcat v8.5 Server at localhost

Overview

General Information
Specify the host name and other common settings.

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 loca Browse...

[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: C:\Tomcat 8.5 Browse...

[Set deploy path to the default value \(currently set\)](#)

Deploy path: wtpwebapps Browse...

Server Options
Enter settings for the server.

☐ Serve modules without publishing

☒ Publish module contexts to separate XML files

☐ Modules auto-reload by default

Publishing

Timeouts

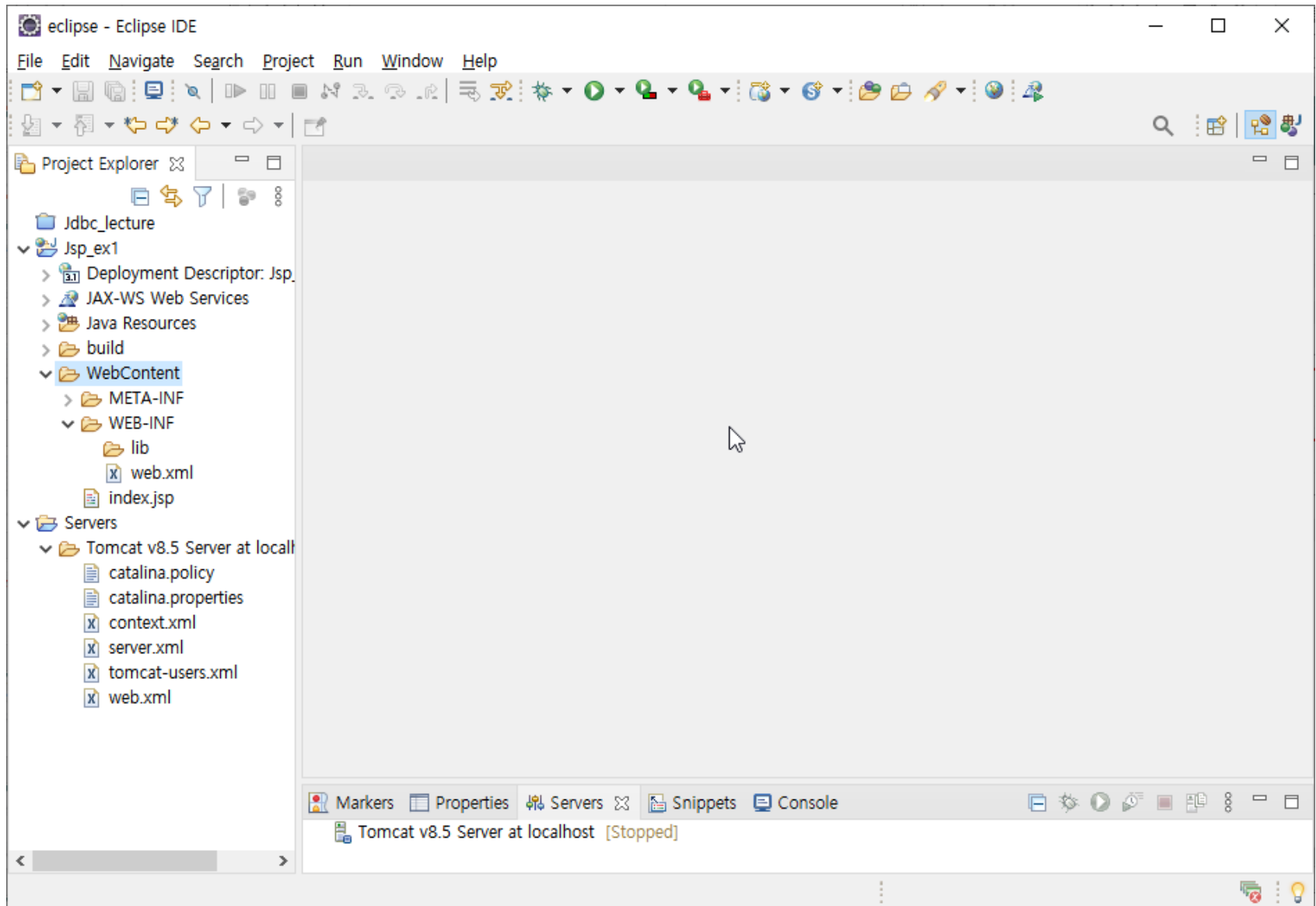
Ports
Modify the server ports.

Port Name	Port Number
Tomcat admin port	7000
HTTP/1.1	8080

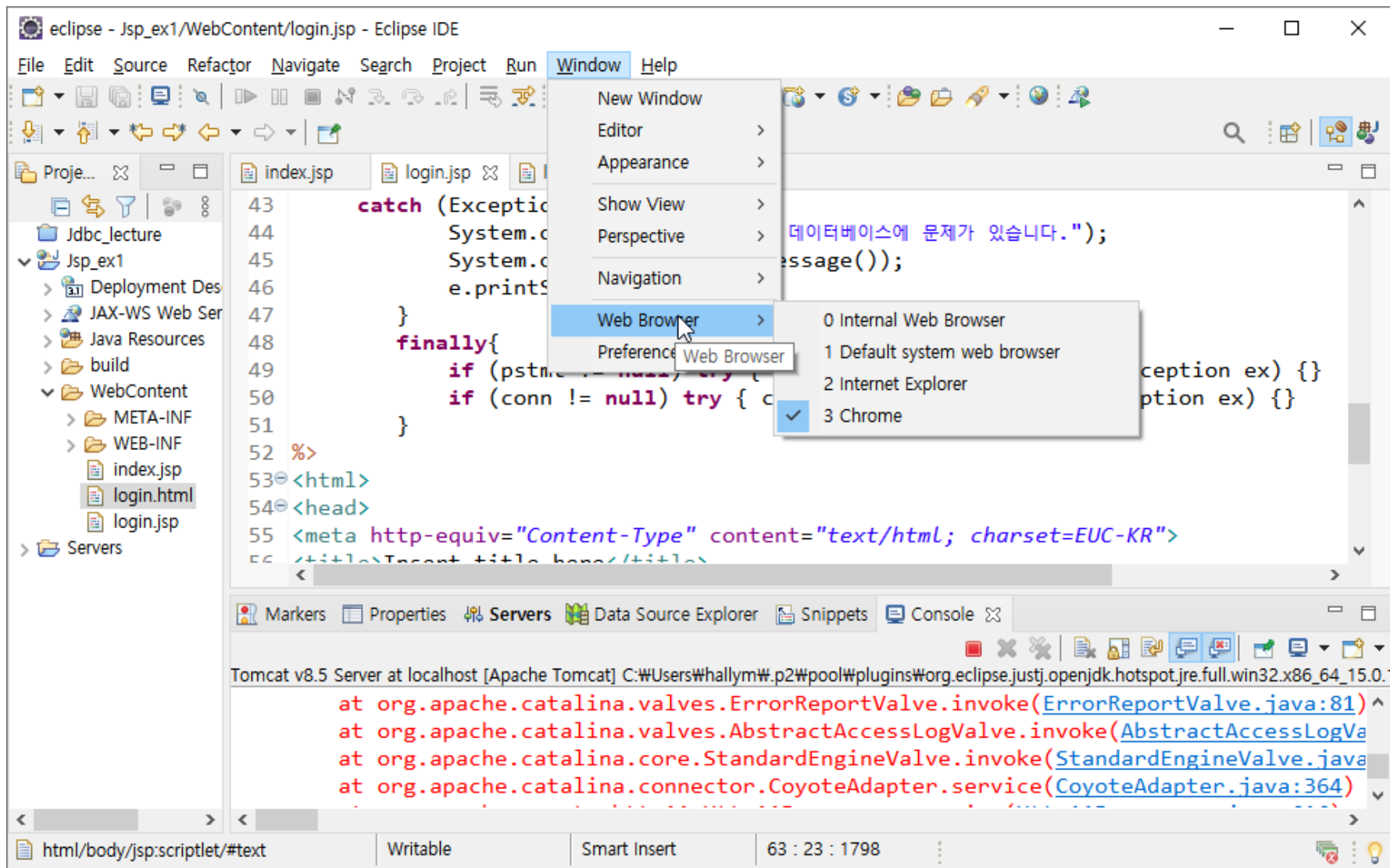
MIME Mappings

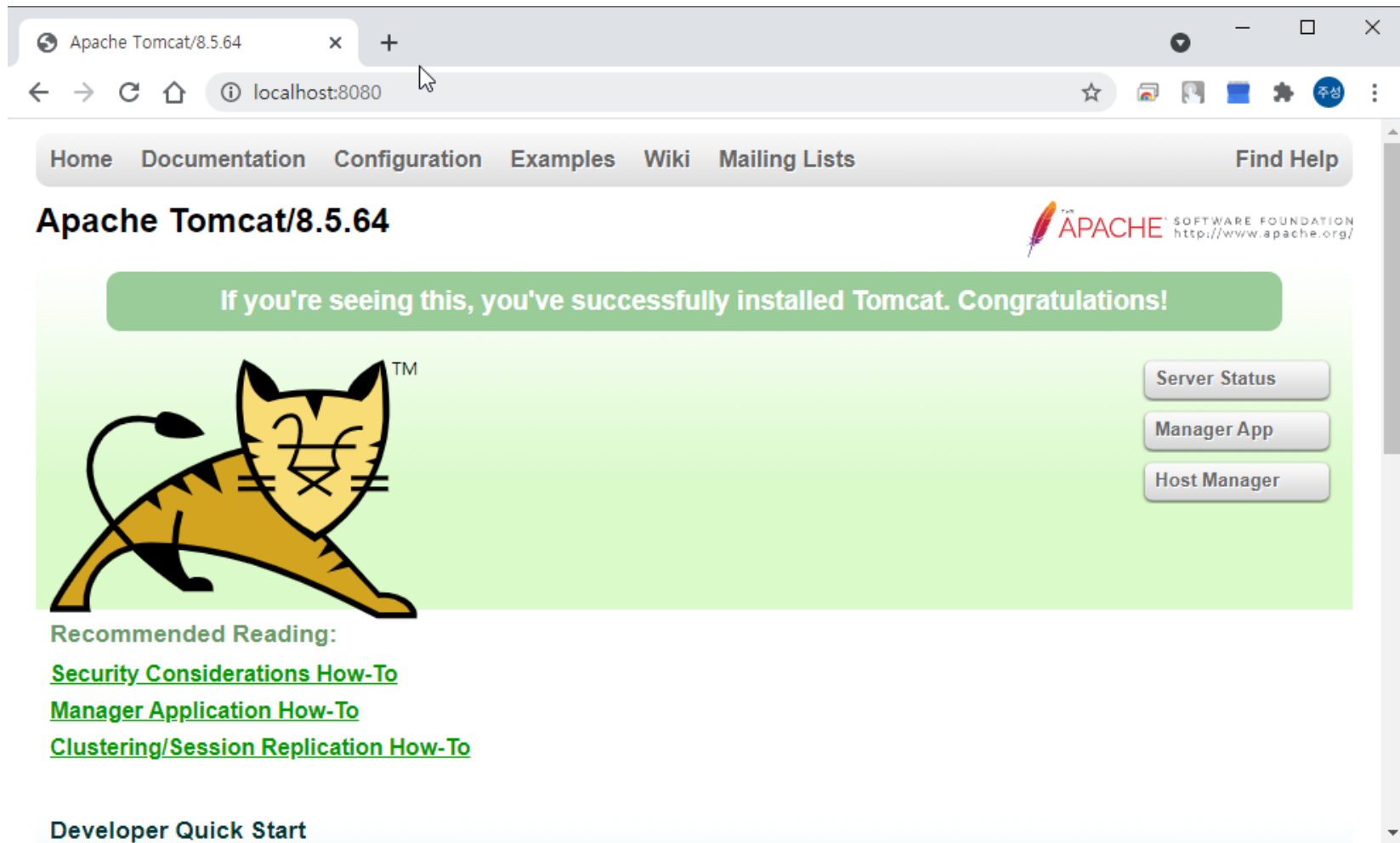
Overview Modules

이클립스 톰캣 연동

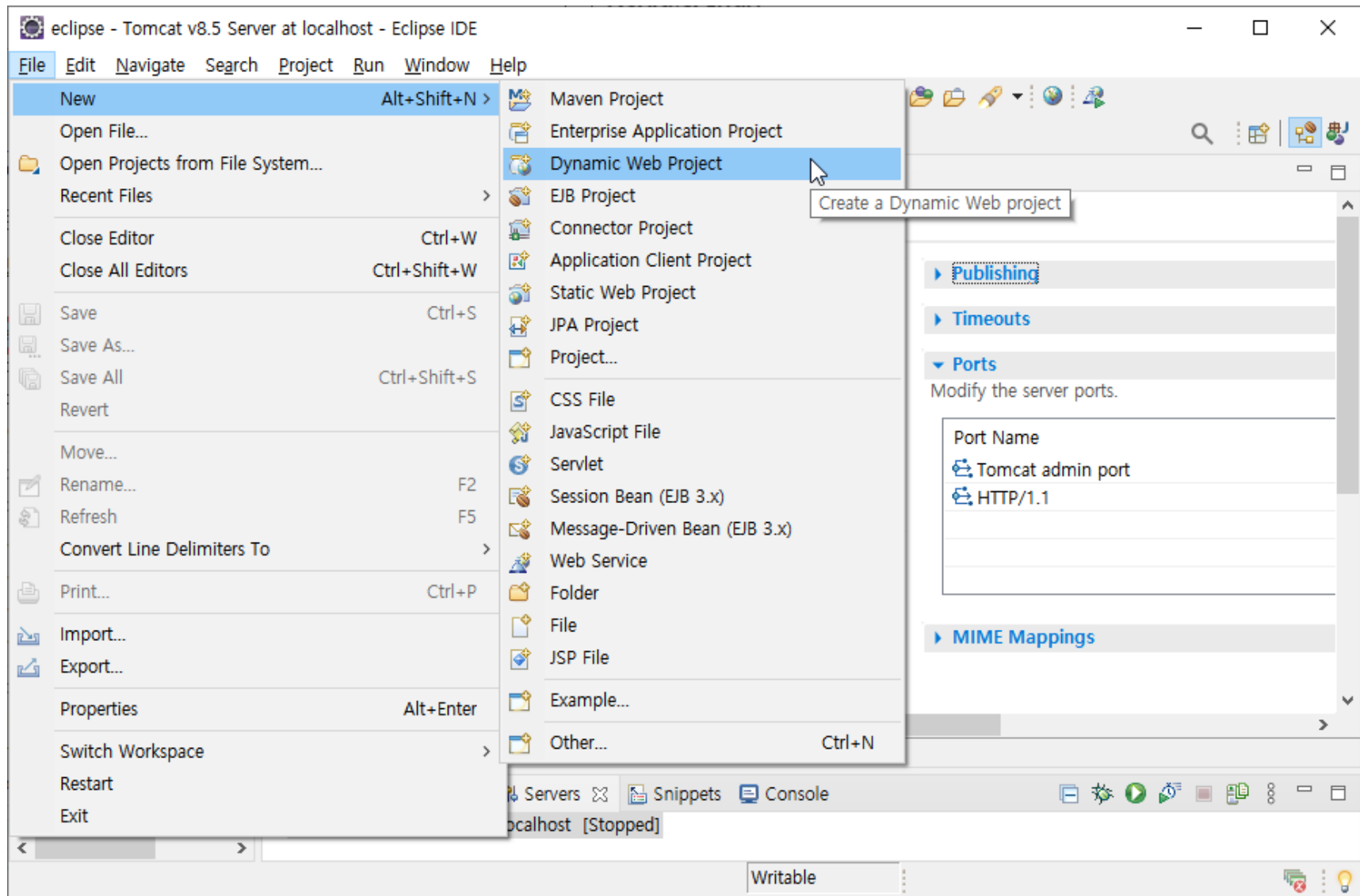



이클립스 톰캣 연동






이클립스 톰캣 연동



 New Dynamic Web Project

Dynamic Web Project
Create a standalone Dynamic Web project or add it to a new or existing Enterprise Application. 

Project name:

Project location
☒ Use default location
Location:

Target runtime


Dynamic web module version


Configuration


A good starting point for working with Apache Tomcat v8.5 runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership
☐ Add project to an EAR
EAR project name:

Working sets
☐ Add project to working sets
Working sets:



 New Dynamic Web Project

Dynamic Web Project
Create a standalone Dynamic Web project or add it to a new or existing Enterprise Application. 

Project name:

Project location

☒ Use default location

Location:

Target runtime

Dynamic web module version

Configuration

A good starting point for working with Apache Tomcat v8.5 runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership


☐ Add project to an EAR

EAR project name:

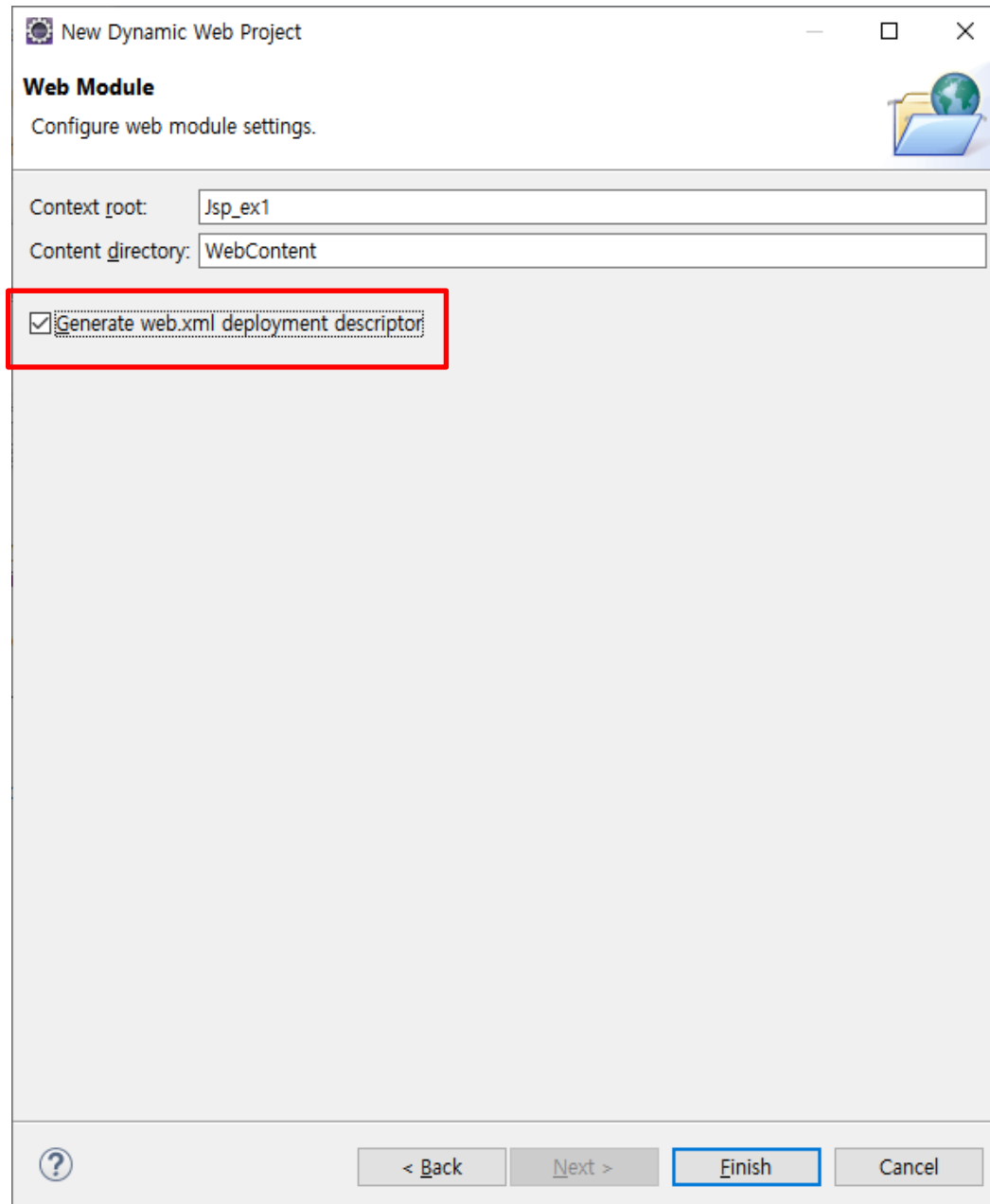
Working sets

☐ Add project to working sets

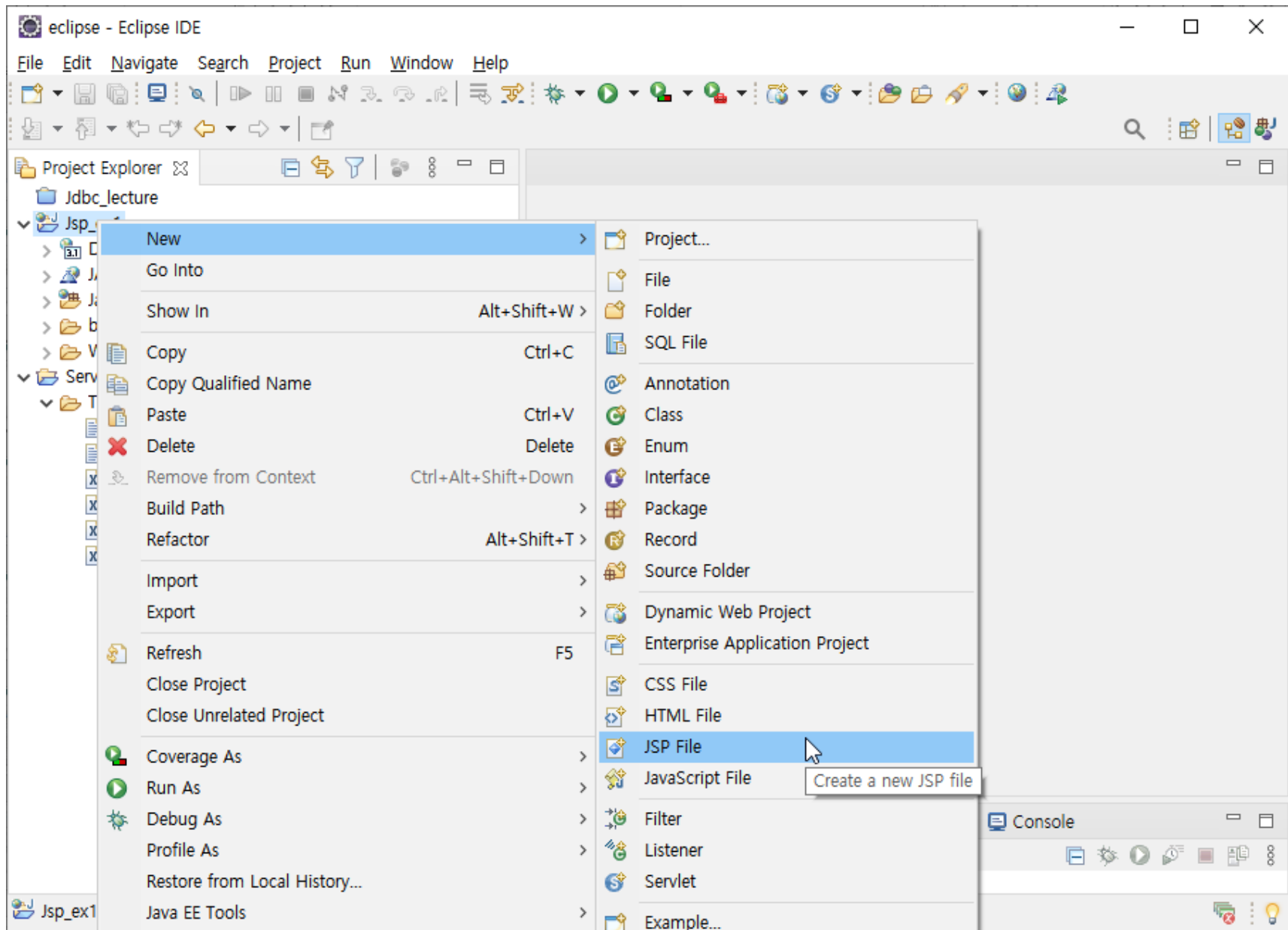
Working sets:



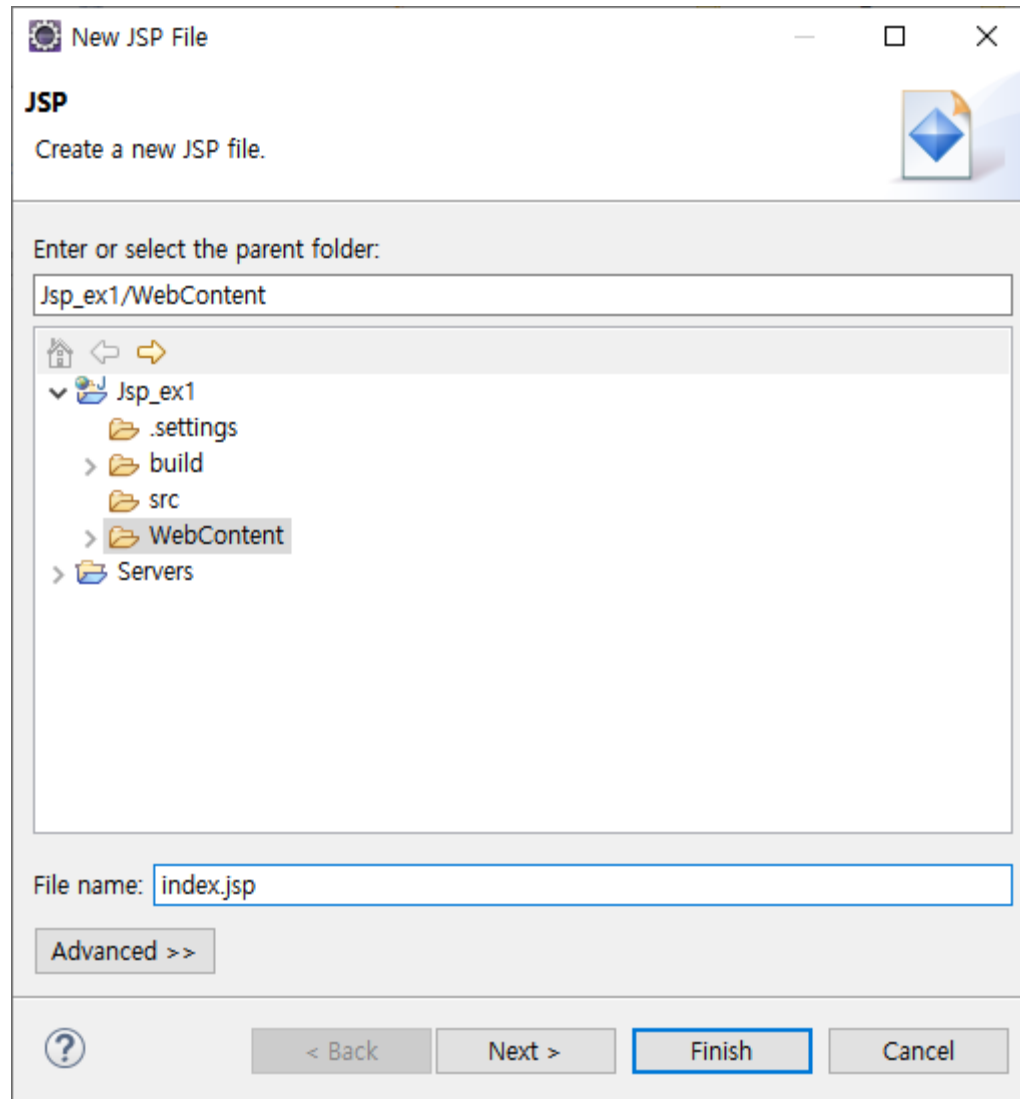
이클립스 톰캣 연동



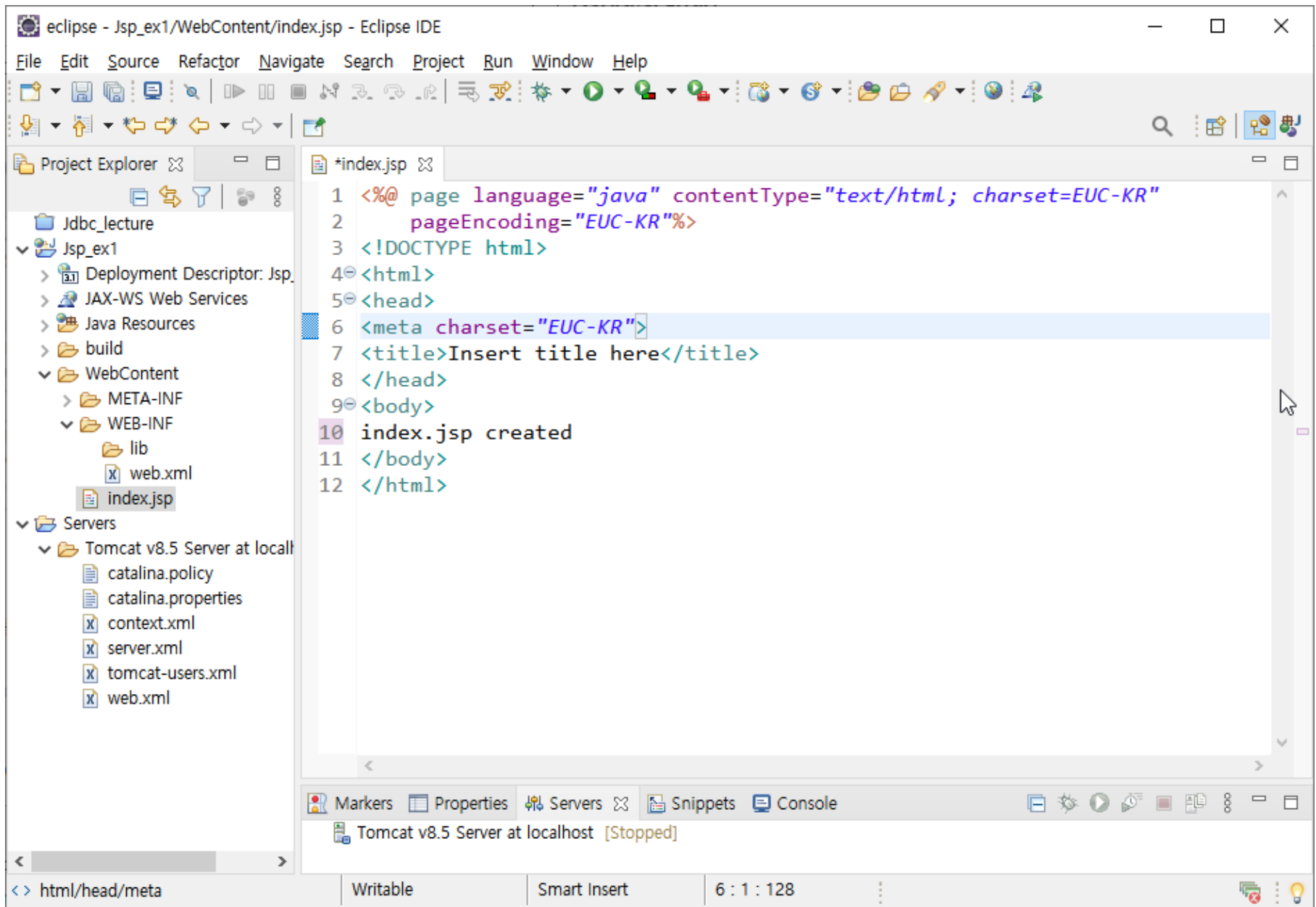
이클립스 톰캣 연동



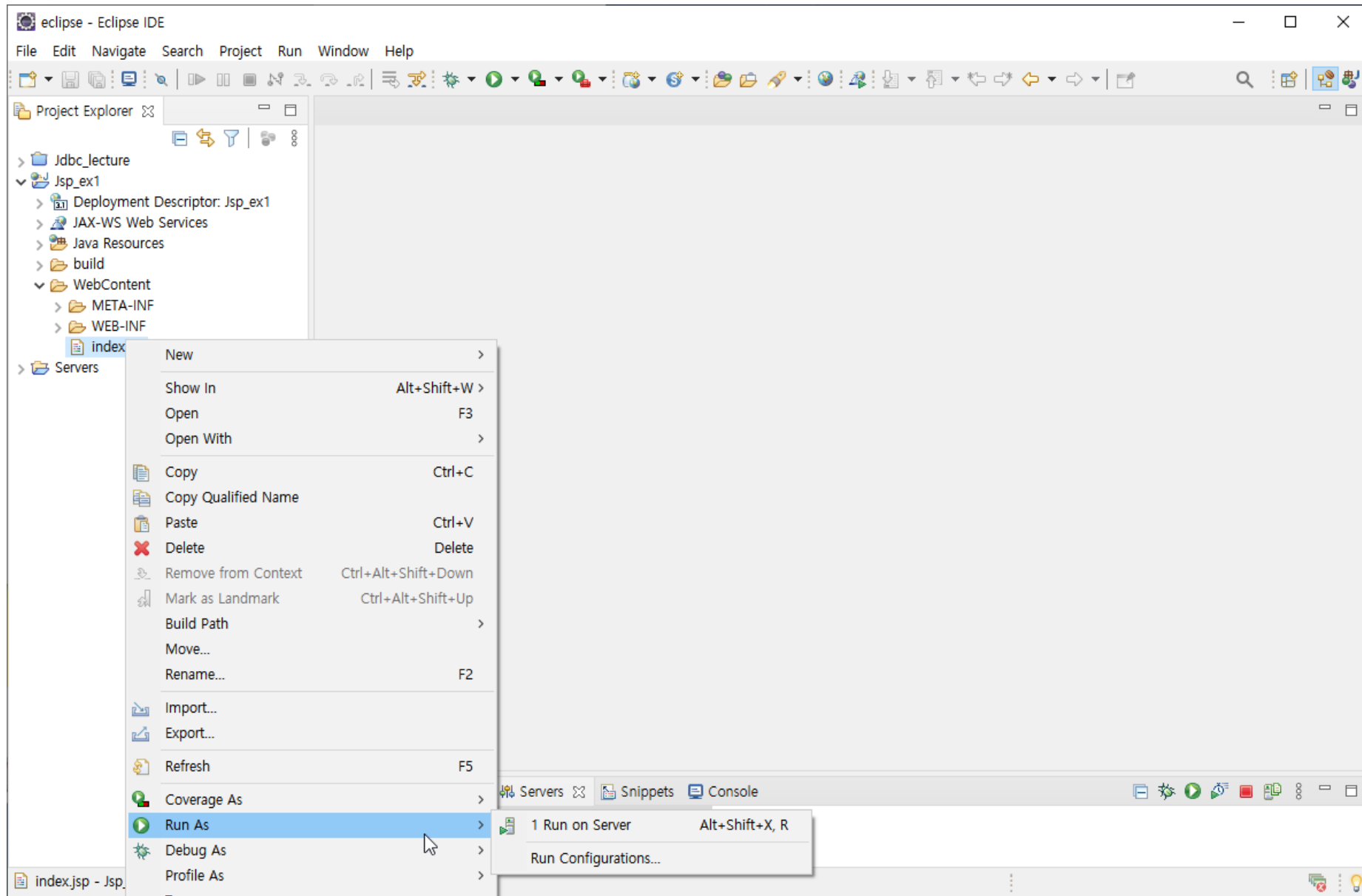
이클립스 톰캣 연동



이클립스 톰캣 연동



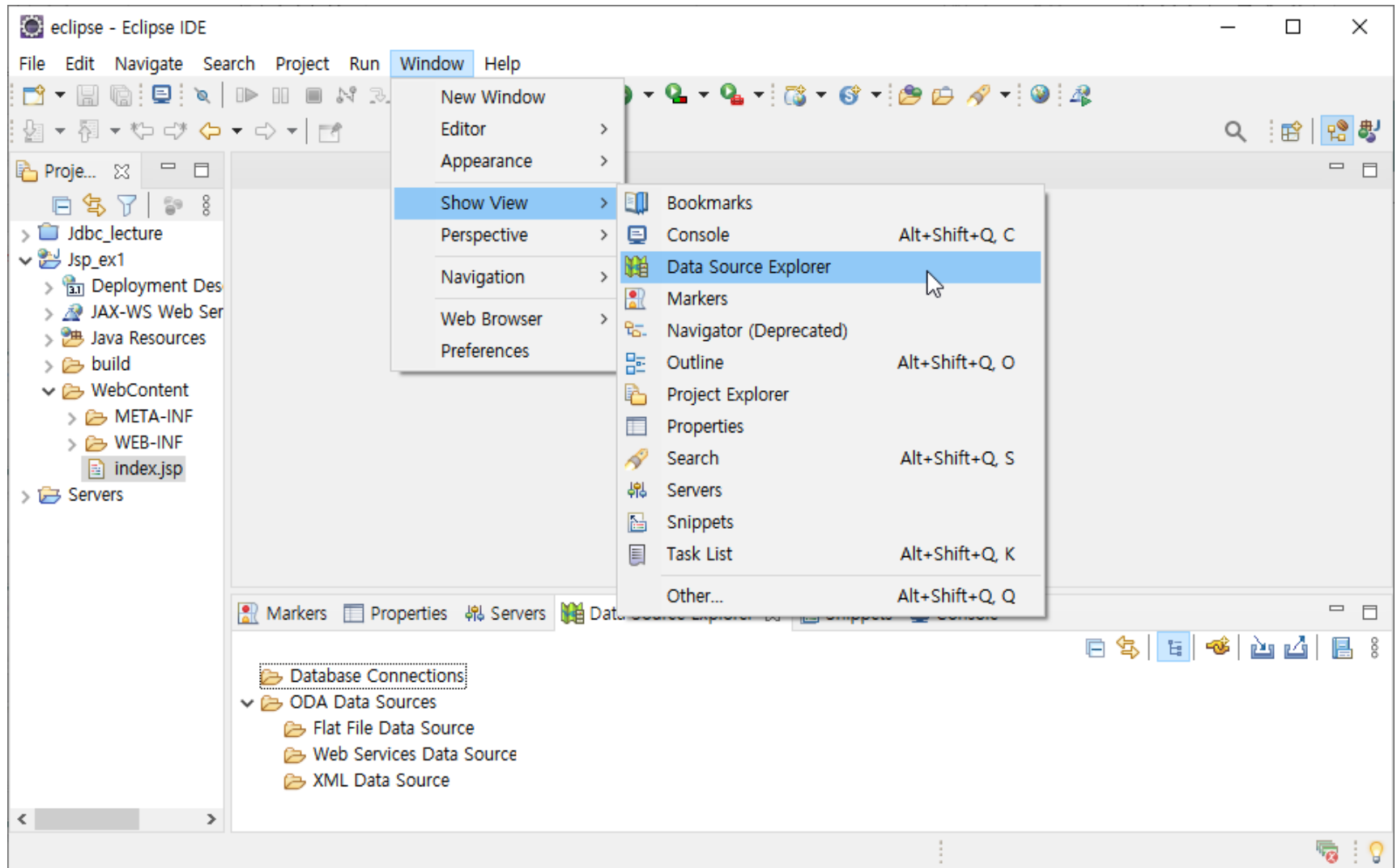
이클립스 톰캣 연동

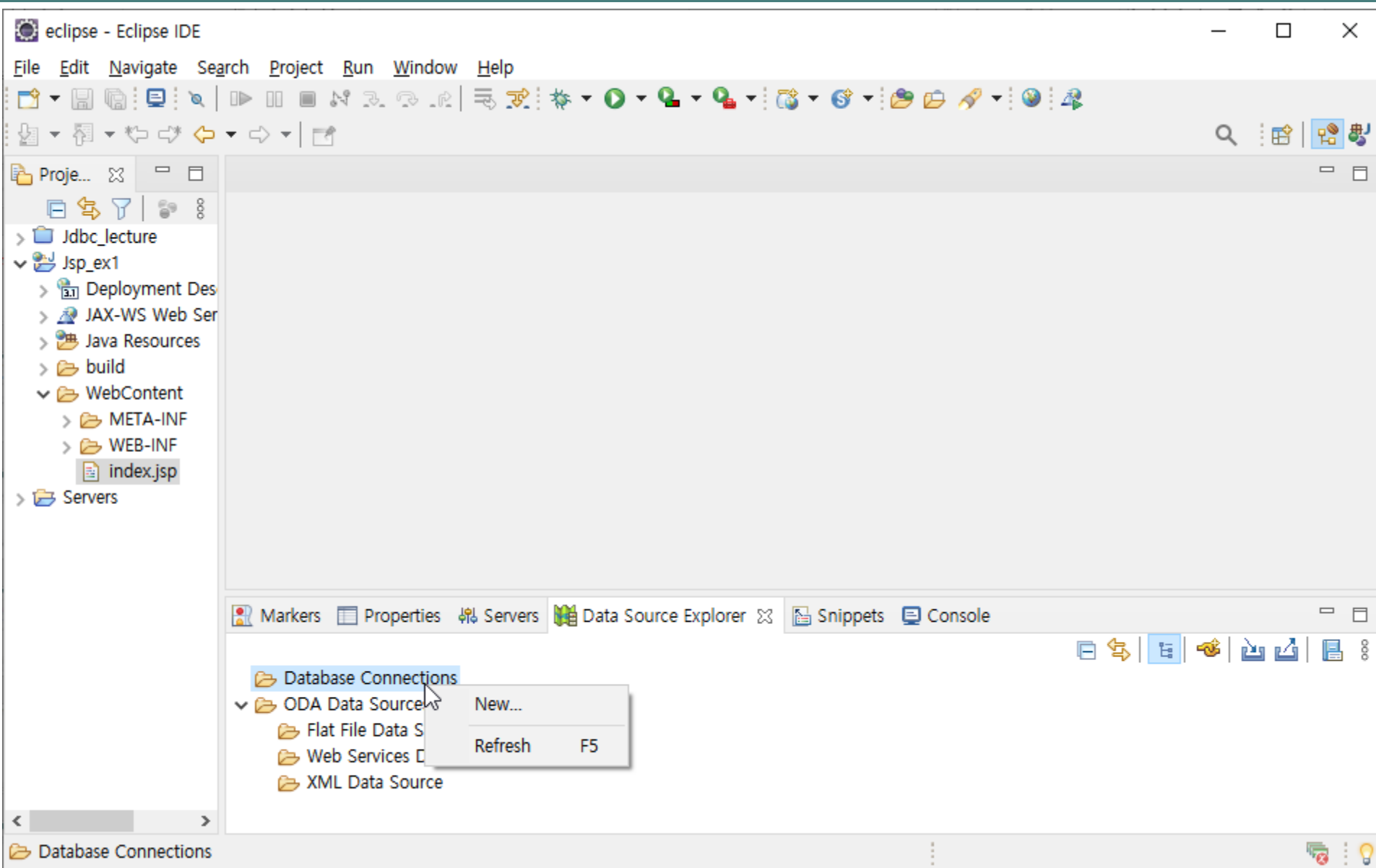


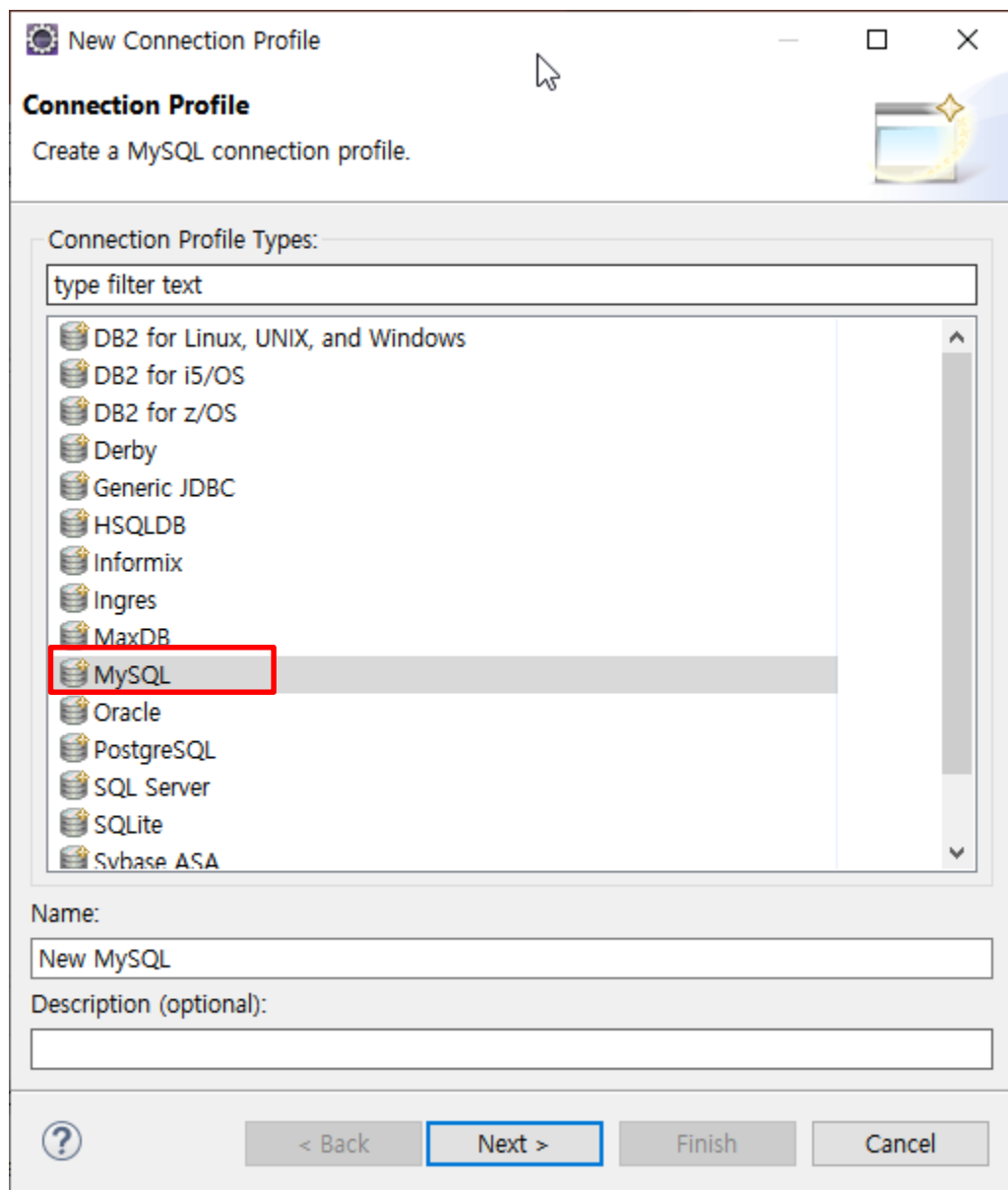
이클립스 톰캣 연동



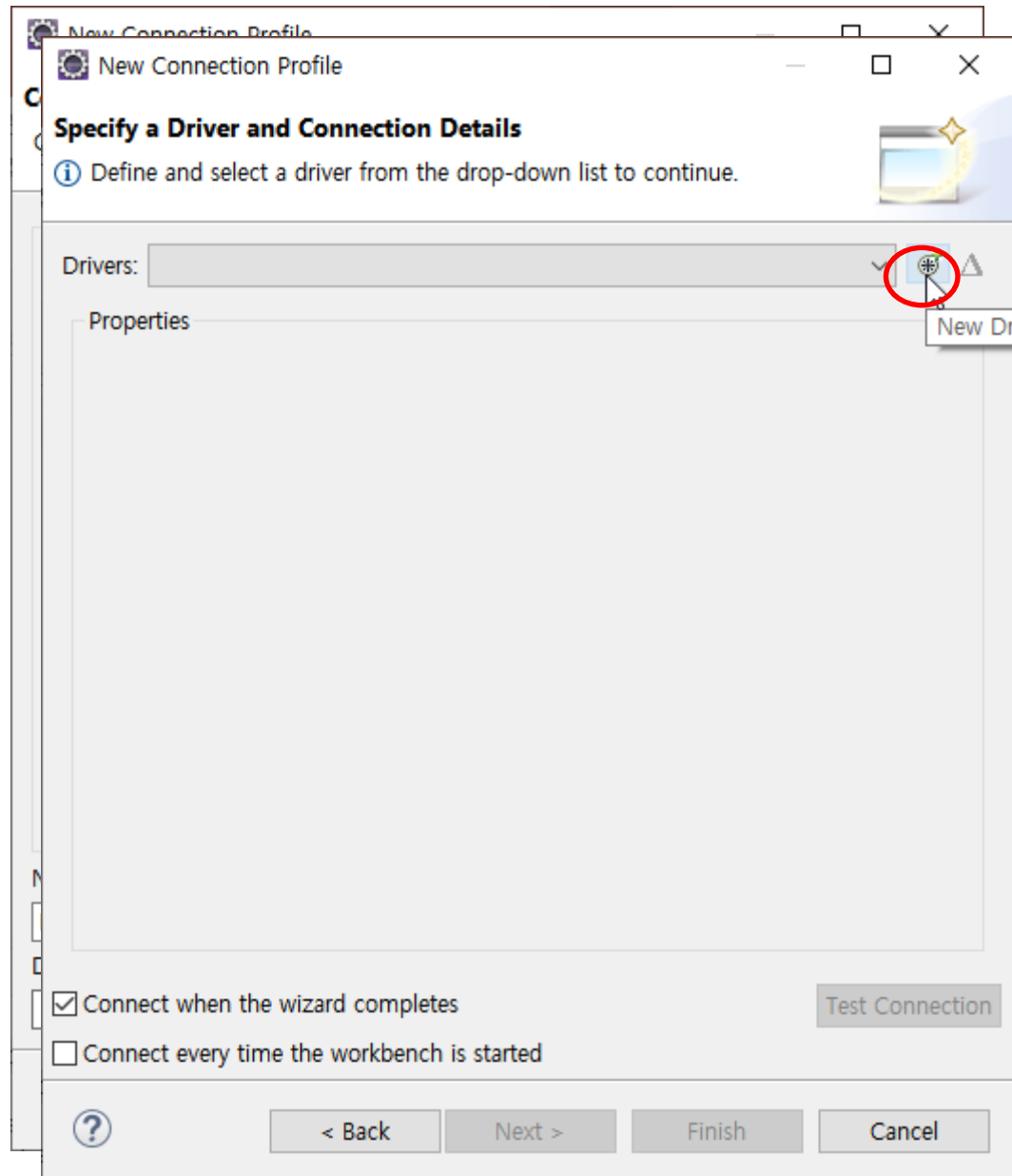
이클립스 , mysql 연동

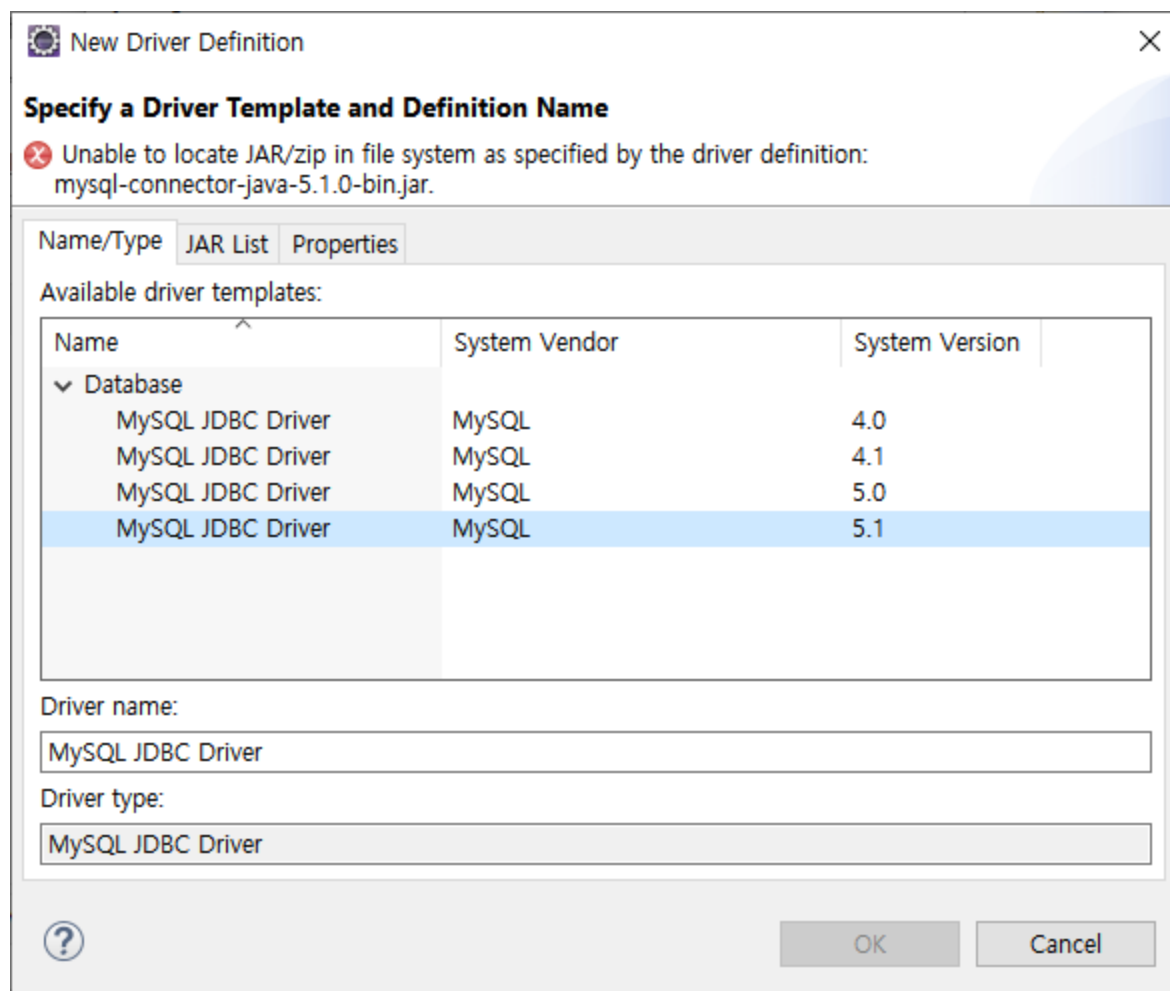




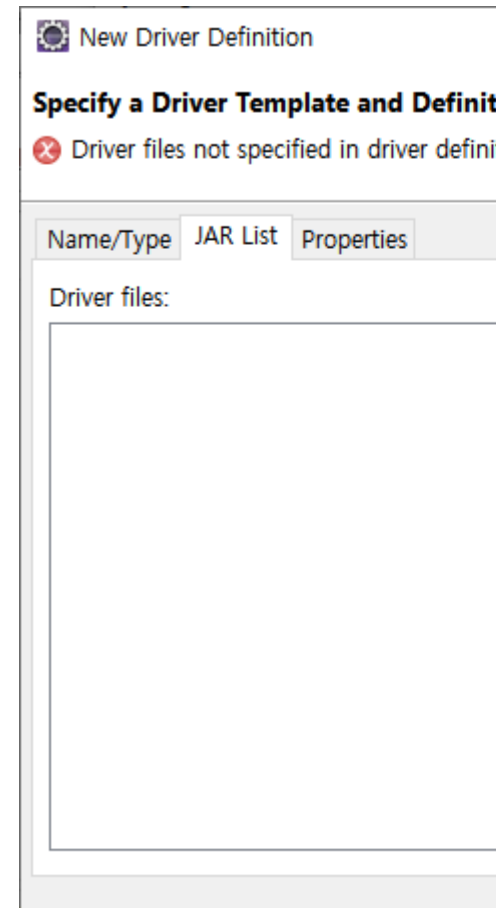
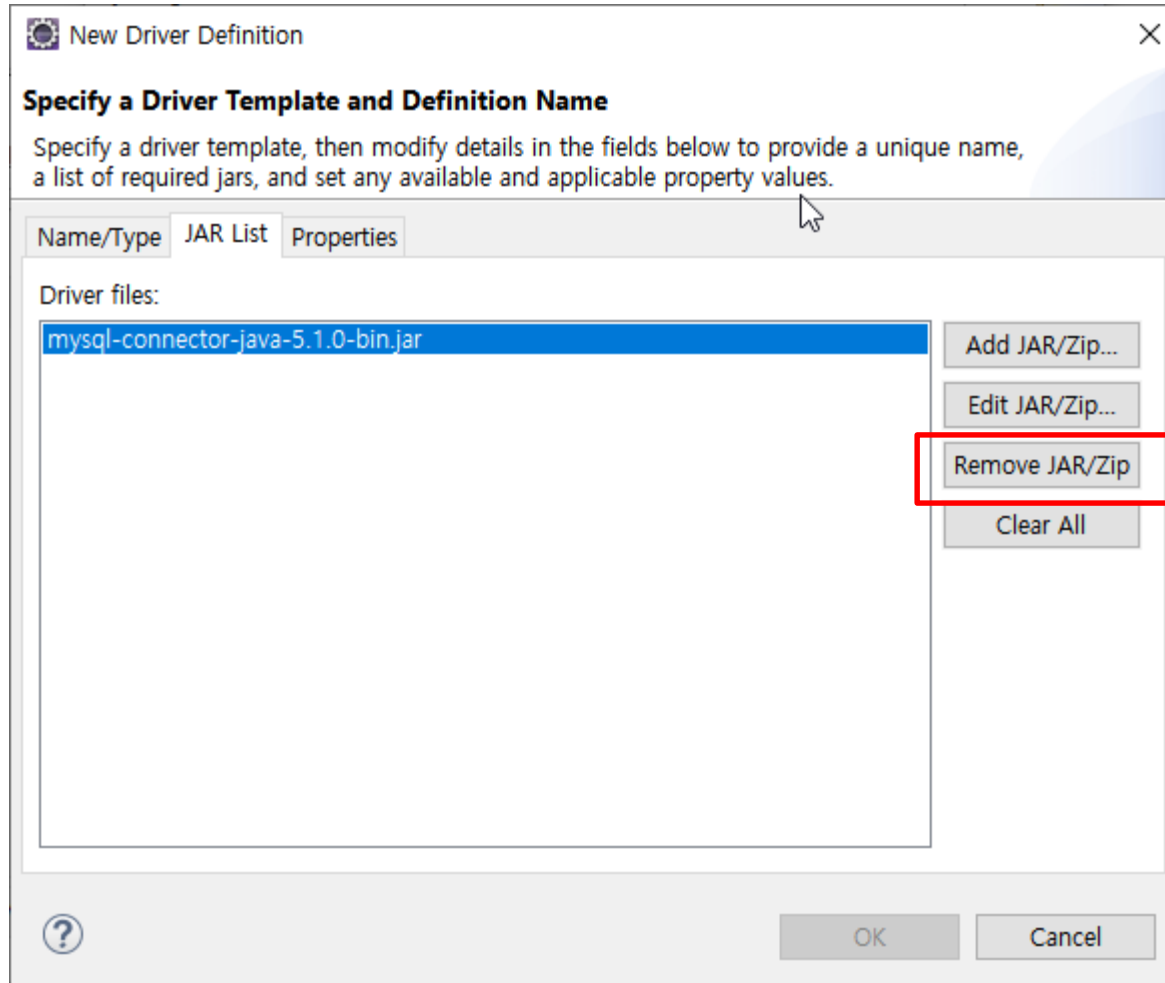


이클립스 , mysql 연동

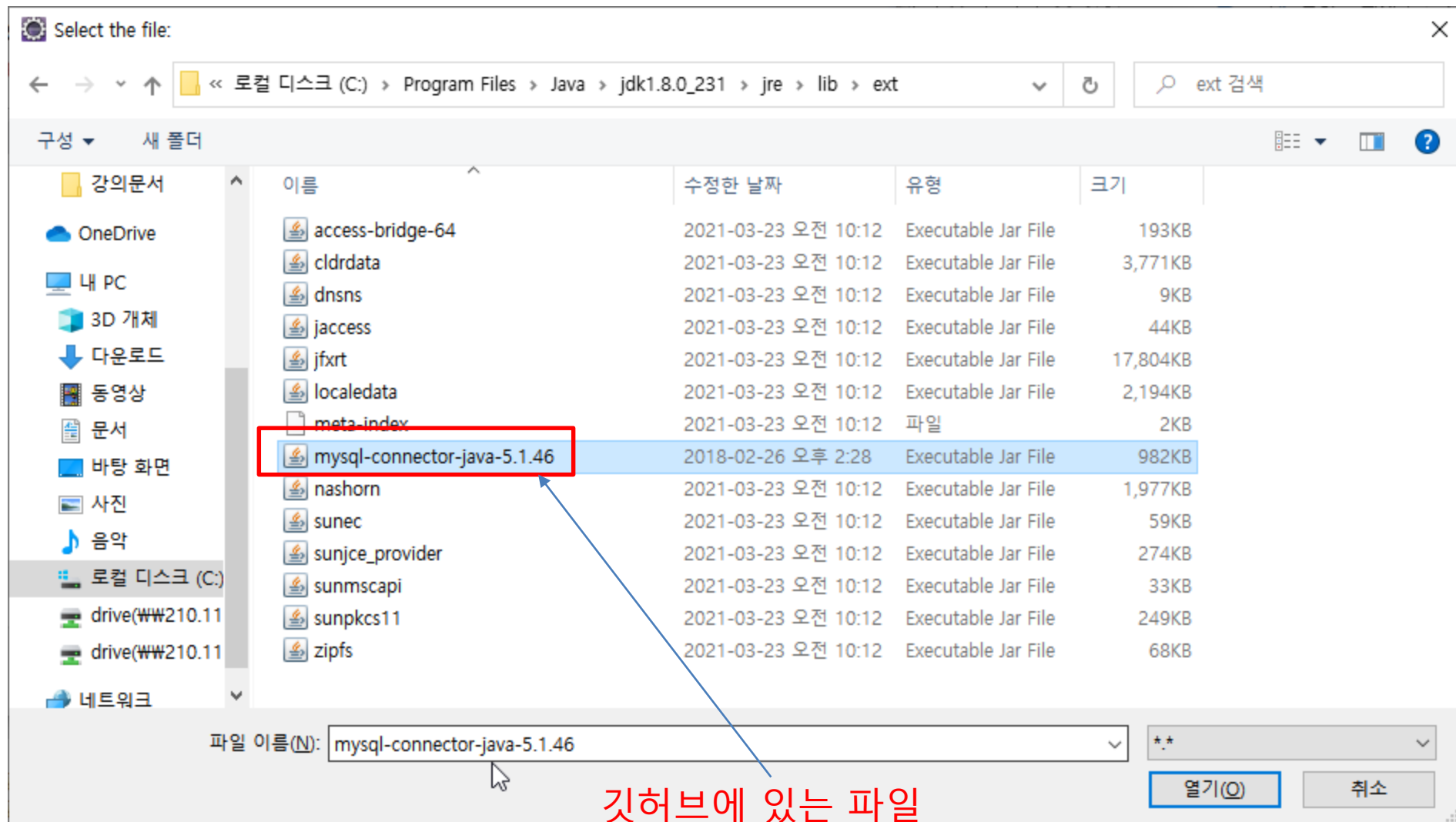




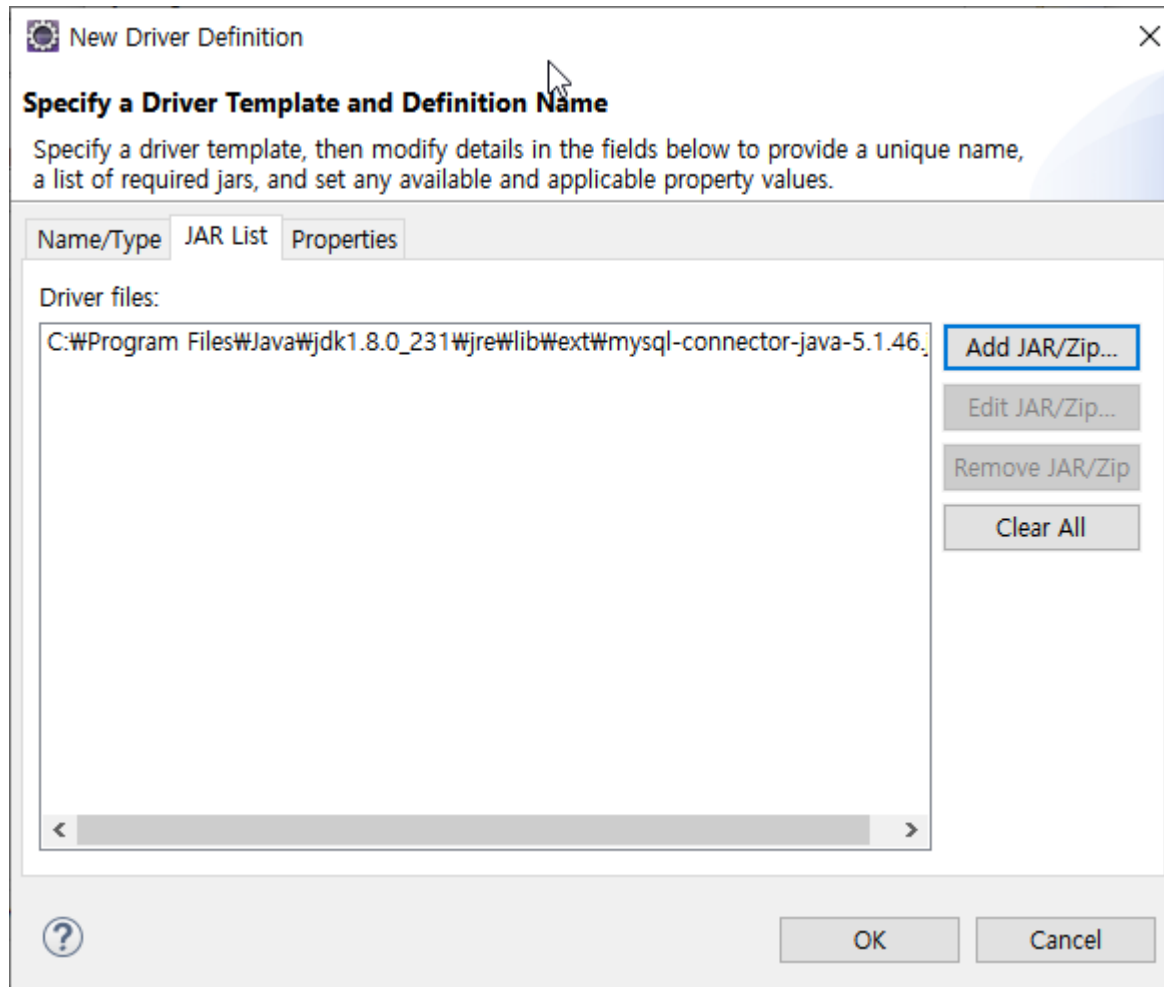
이클립스 , mysql 연동



이클립스 , mysql 연동



이클립스 , mysql 연동



이클립스 , mysql 연동

New Driver Definition

Specify a Driver Template and Definition Name

Specify a driver template, then modify details in the fields below to provide a unique name, a list of required jars, and set any available and applicable property values.

Name/Type JAR List Properties

Properties:

Property	Value
General	
Connection URL	jdbc:mysql://localhost:3306/sys
Database Name	database
Driver Class	com.mysql.jdbc.Driver
Password	●●●●●●●●●●
User ID	root

mysql 패스워드

OK Cancel

이클립스 , mysql 연동

