

How to develop a Java web project with Eclipse

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Outline


- 1. Download the right release Eclipse
- 2. Create a Java Web Project
- 3. Web Container Configuration
- 4. Start the web project
- 5. Database Configuration

1. Download the right release Eclipse

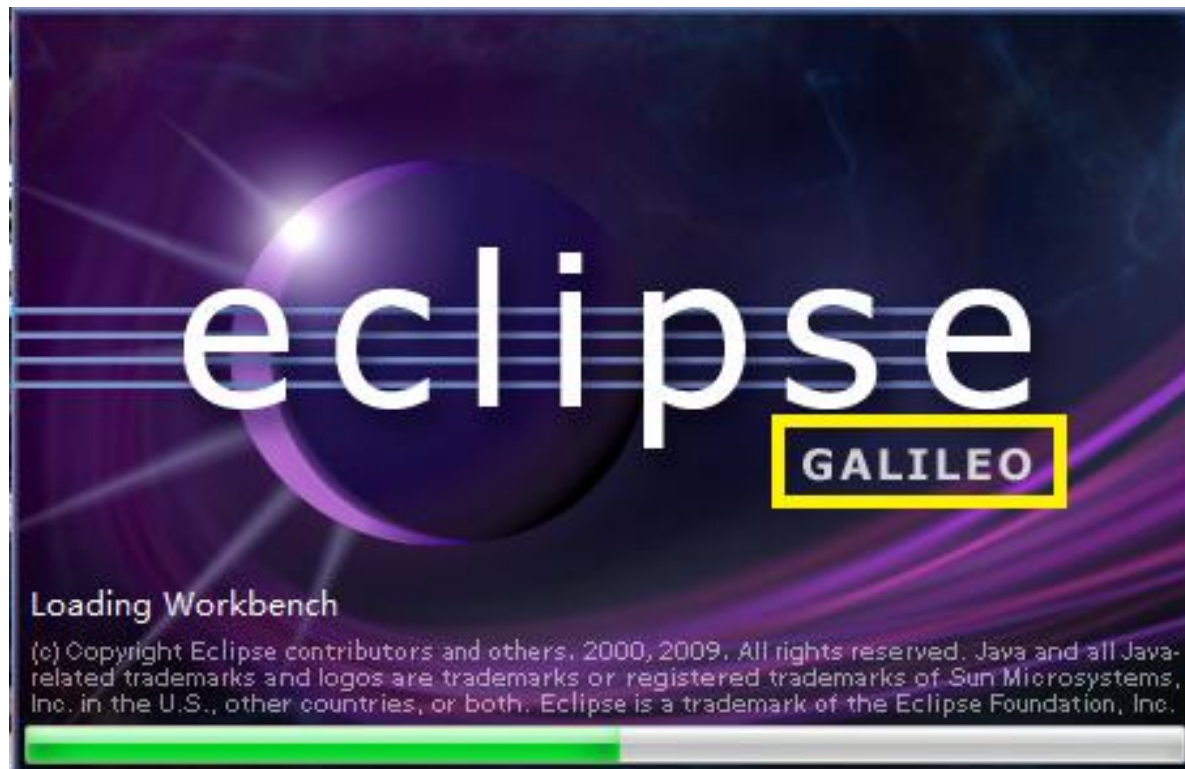
Eclipse Downloads

Packages Projects

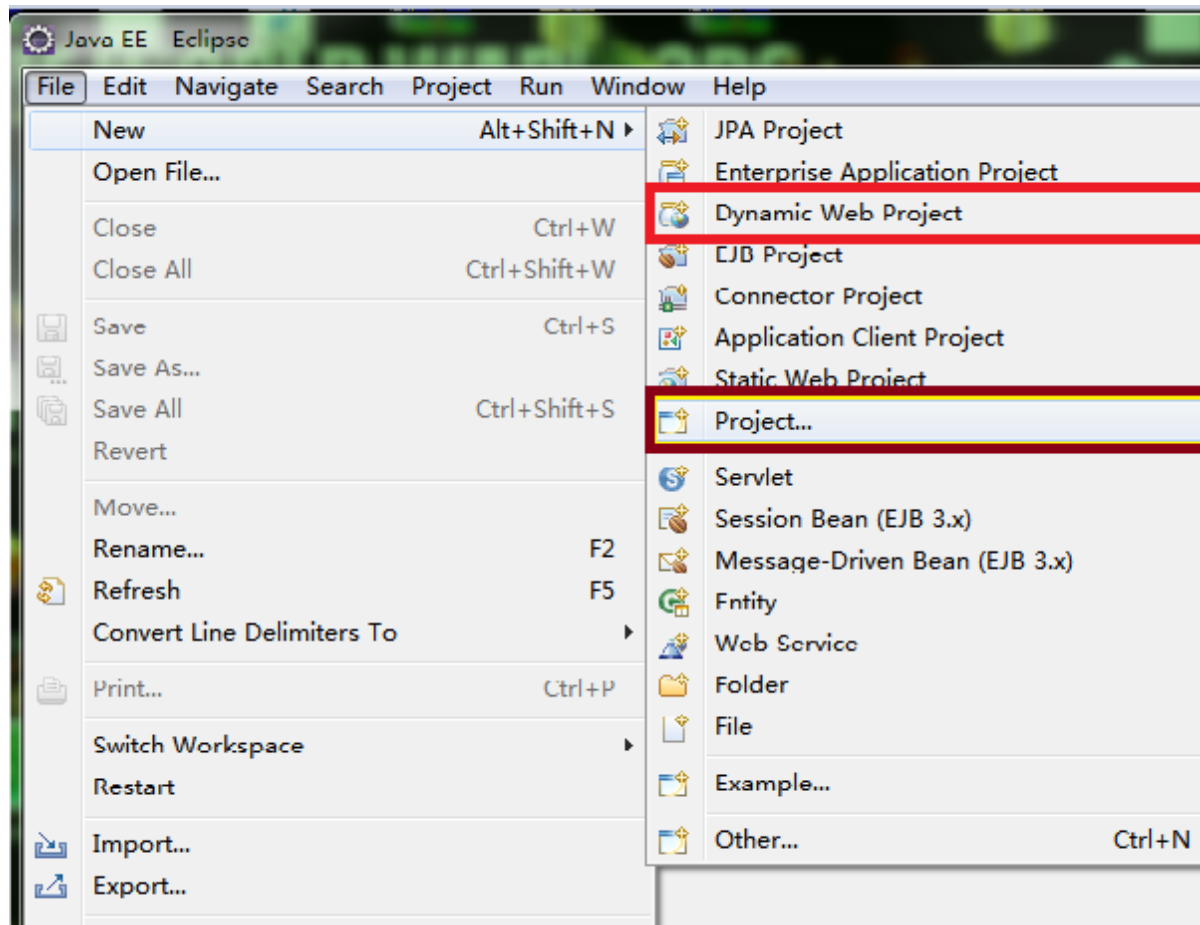
Compare Packages Older Versions Eclipse Helios (3.6.1) Packages for

	Eclipse IDE for Java Developers , 99 MB Downloaded 700,494 Times Details	 Windows 32 Bit Windows 64 Bit
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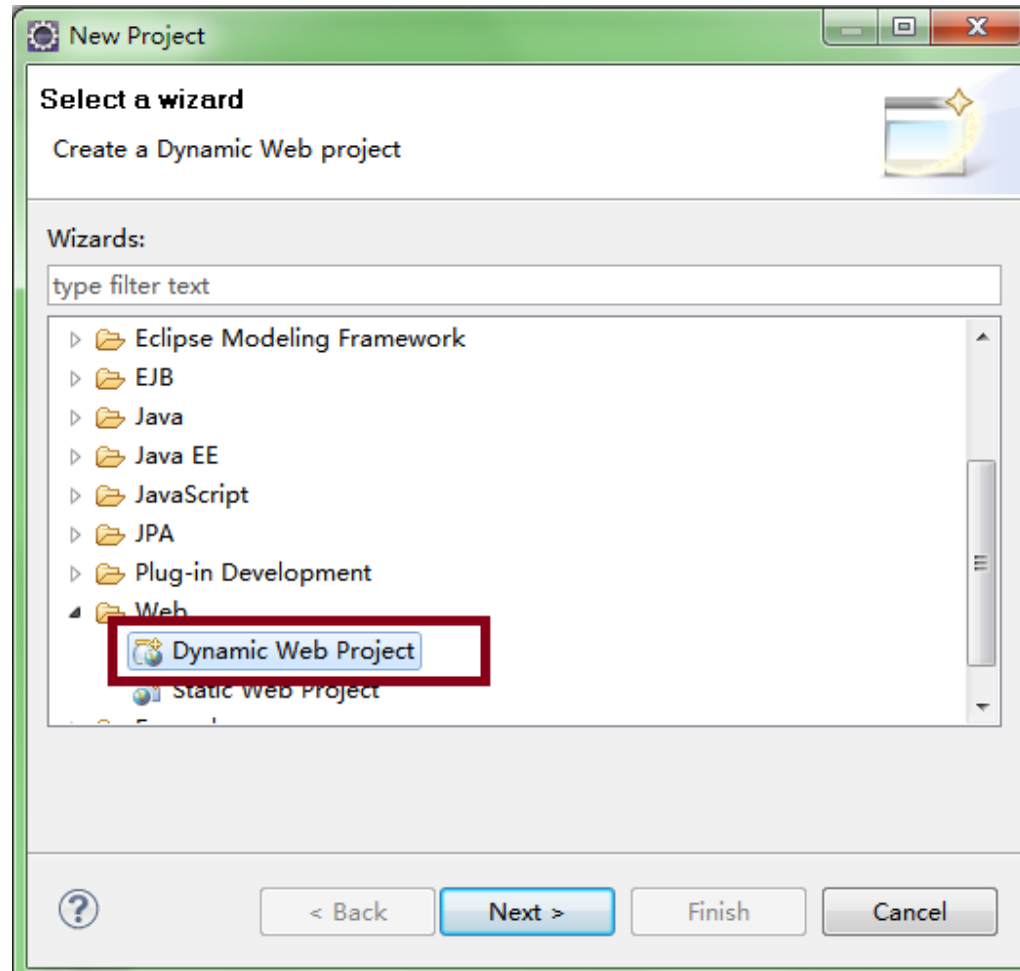
Loading galileo



2. Create the project



Choose Dynamic web project



Configure the project details

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

Project names: HelloWorld

Project contents
 Use default
Directory: D:\wss\HelloWorld Browse...

Target runtime
<None> New...

Dynamic web module version
2.4

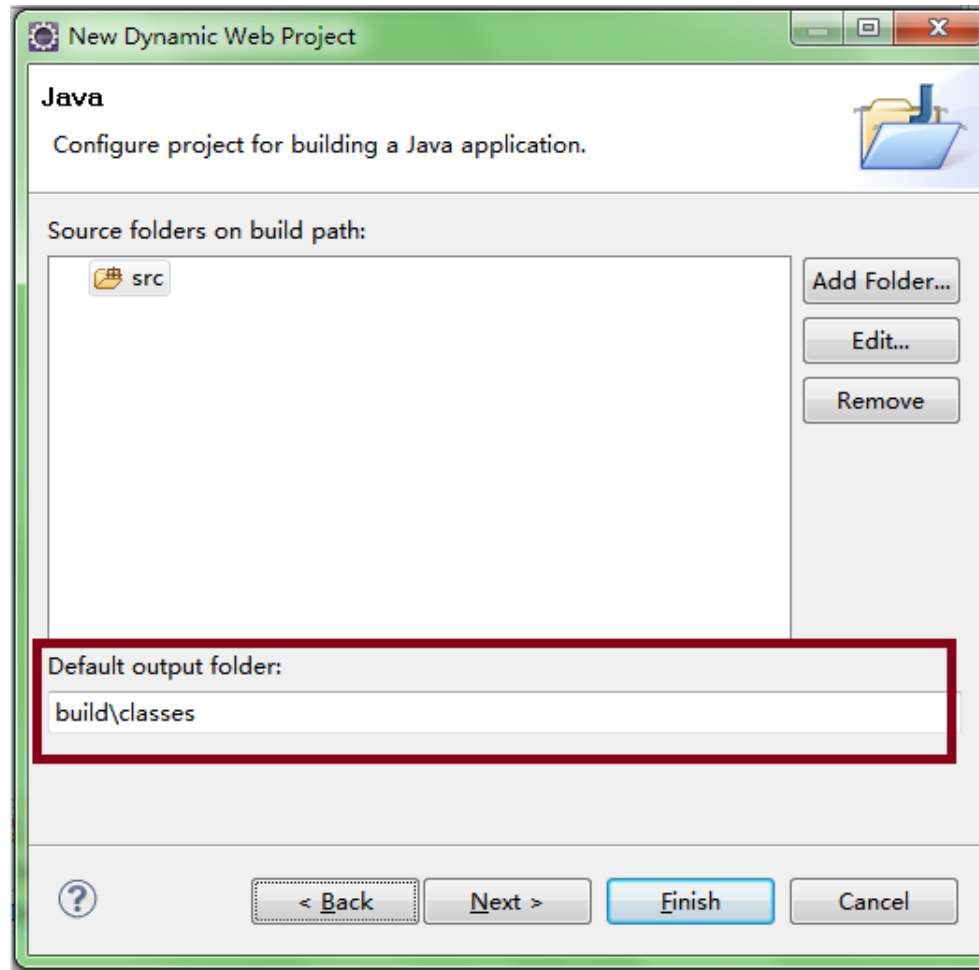
Configuration
Default Configuration Modify...

The default configuration provides a good starting point. Additional facets can later be installed to add new functionality to the project.

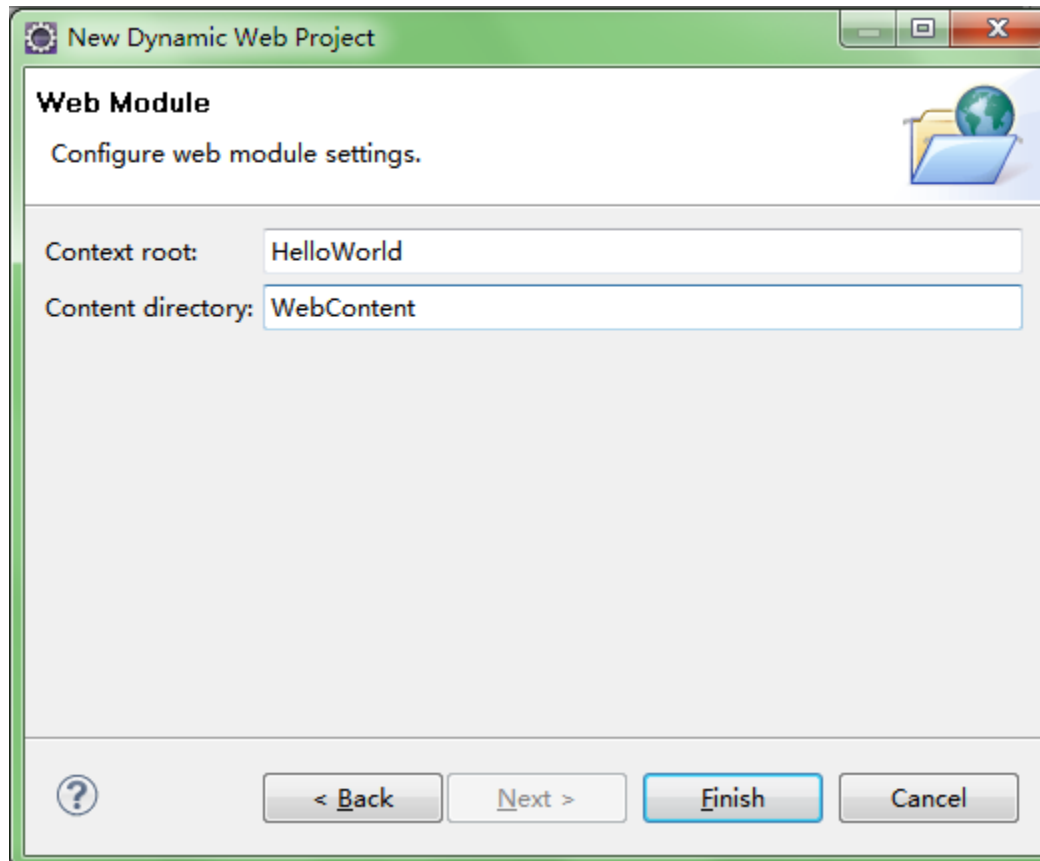
EAR membership
 Add project to an EAR
EAR project name: EAR New...

Working sets
 Add project to working sets
Working sets: Select..

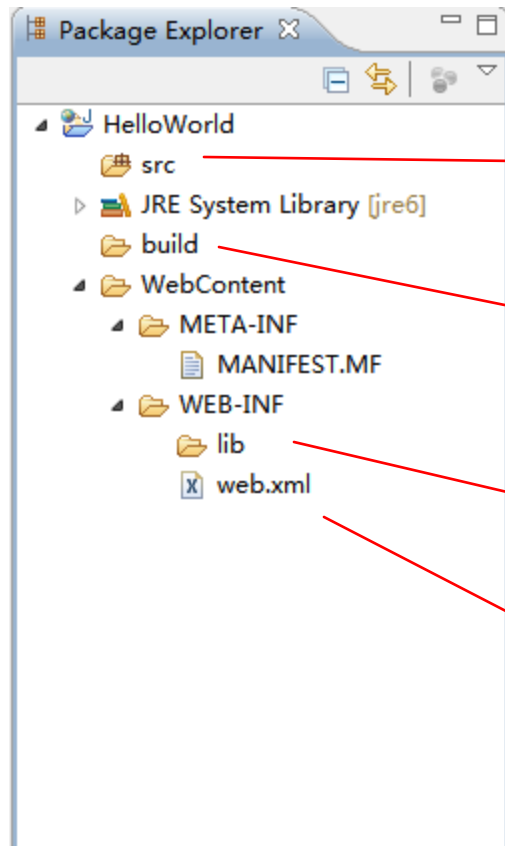
Configure the classes path



Configure the context root



Create project over



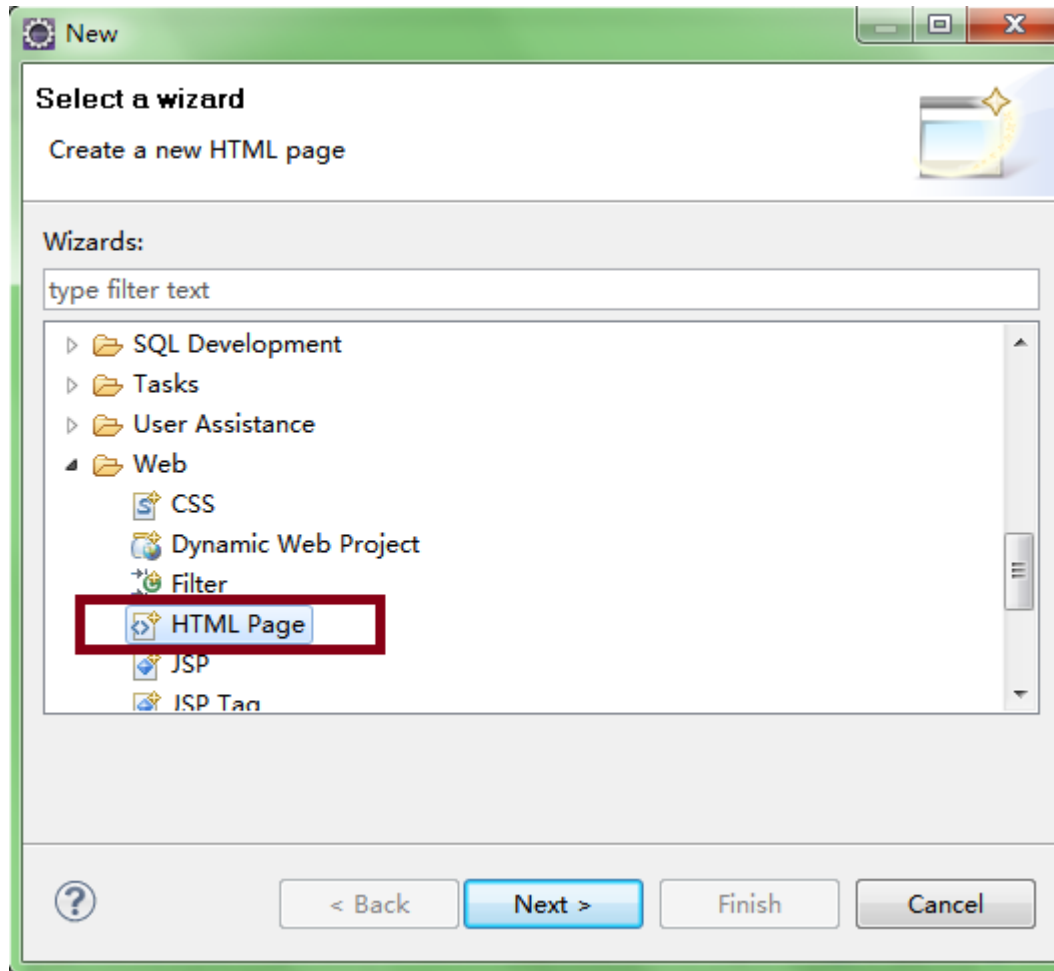
Source code

Classes

Library jars

Configuration file

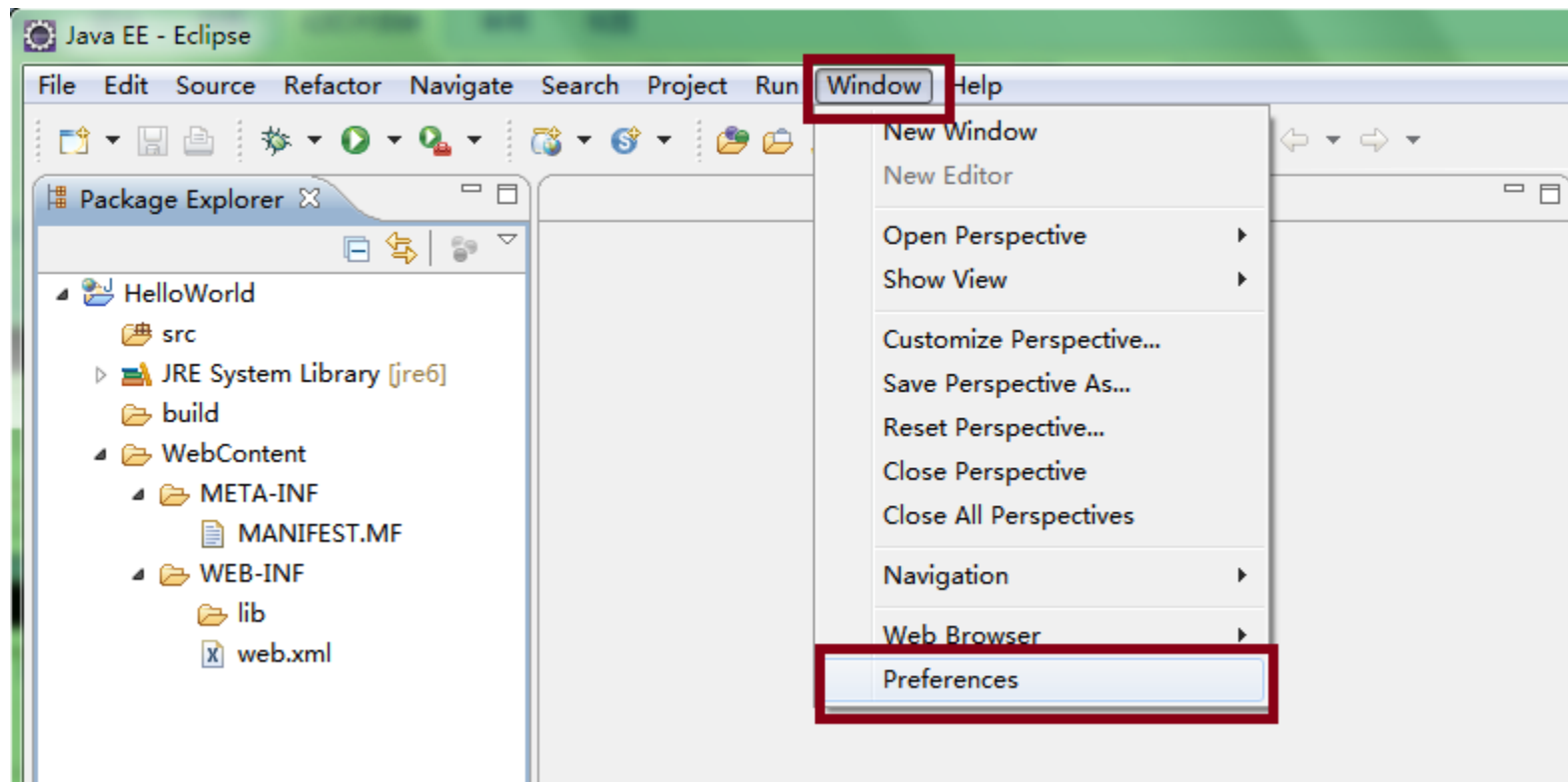
Create a html page



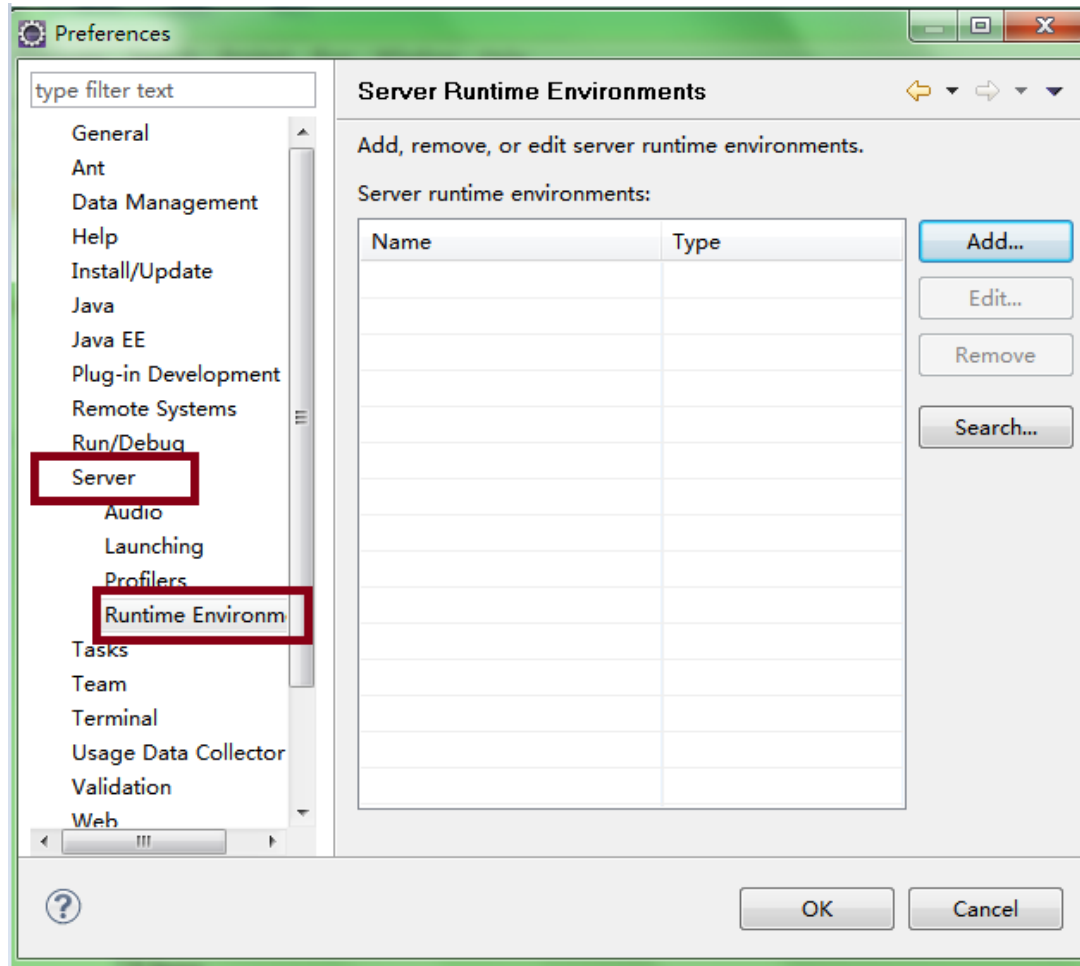


Index.html

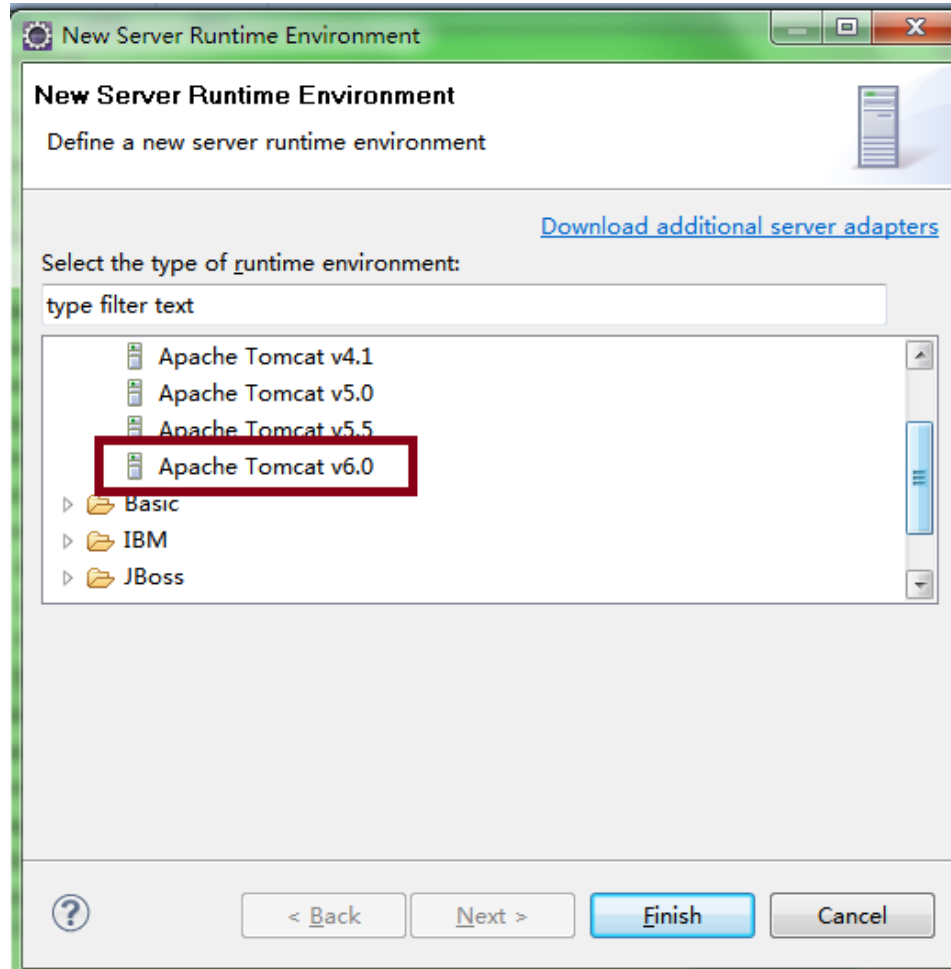
3. Web Container Configuration



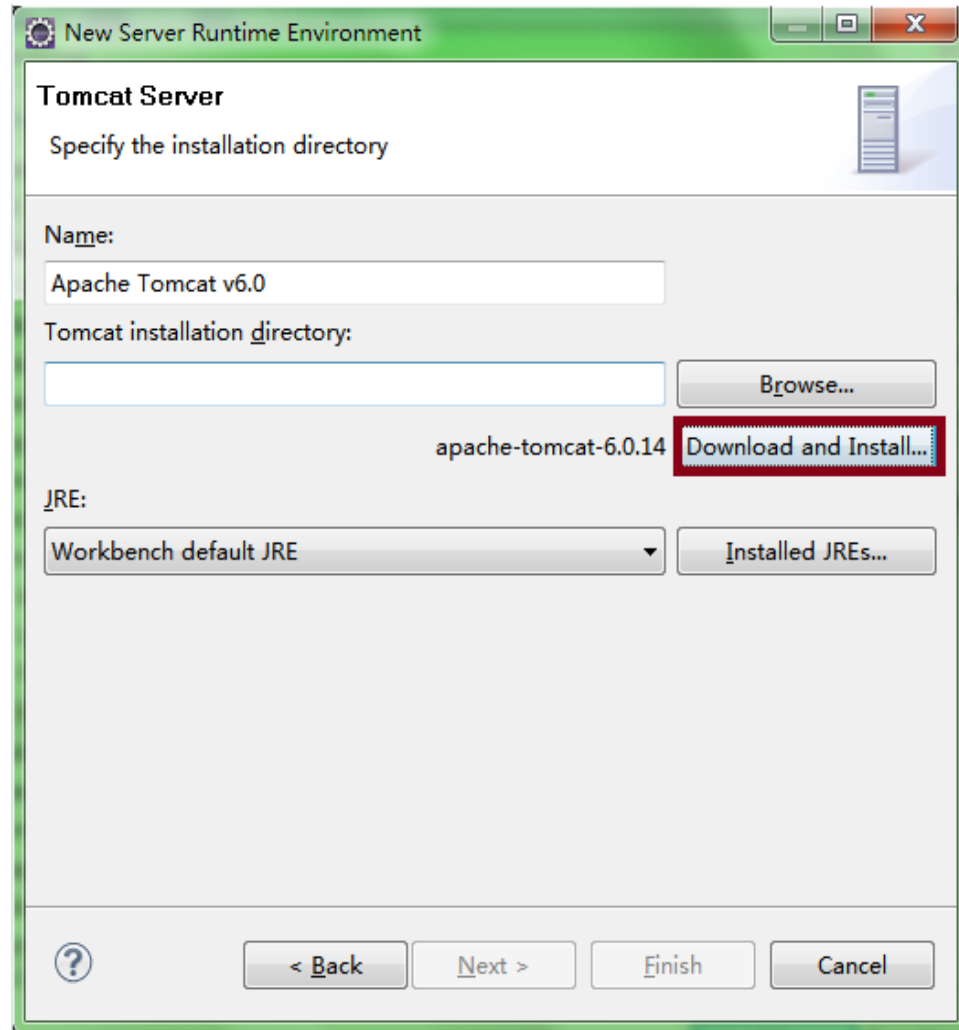
Runtime Environment Configuration



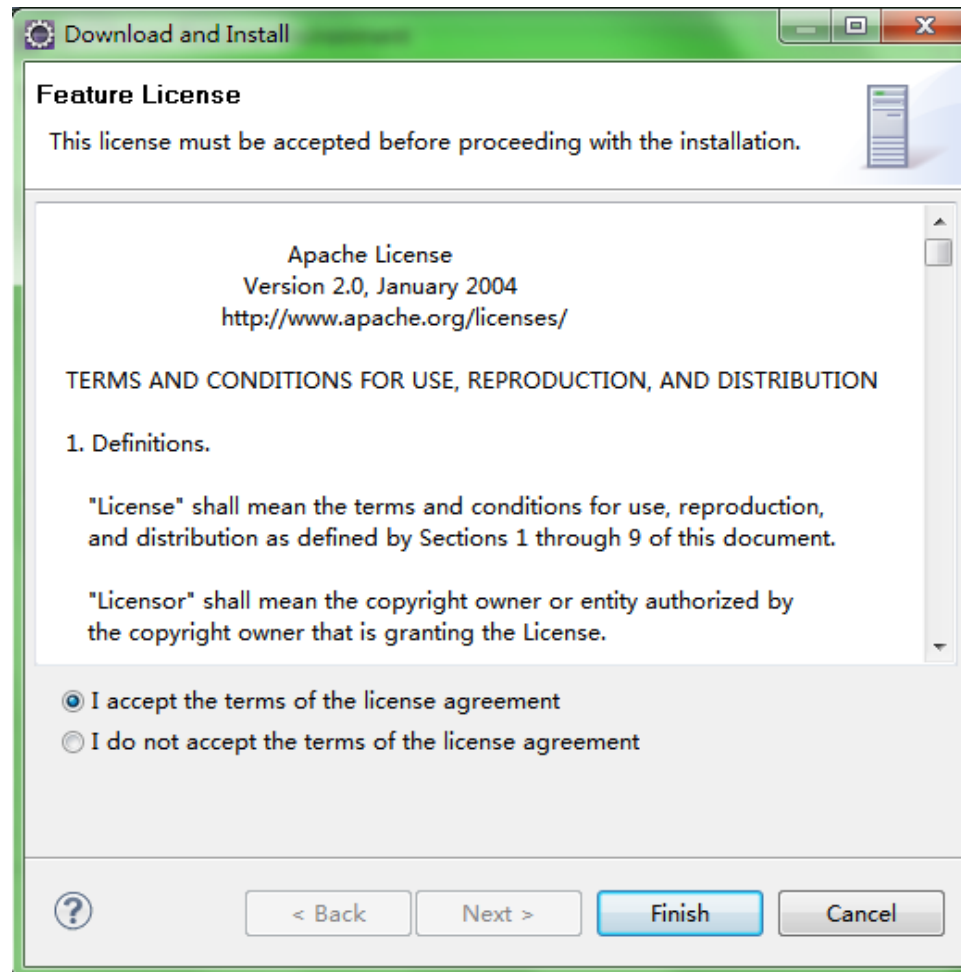
Configure Tomcat 6



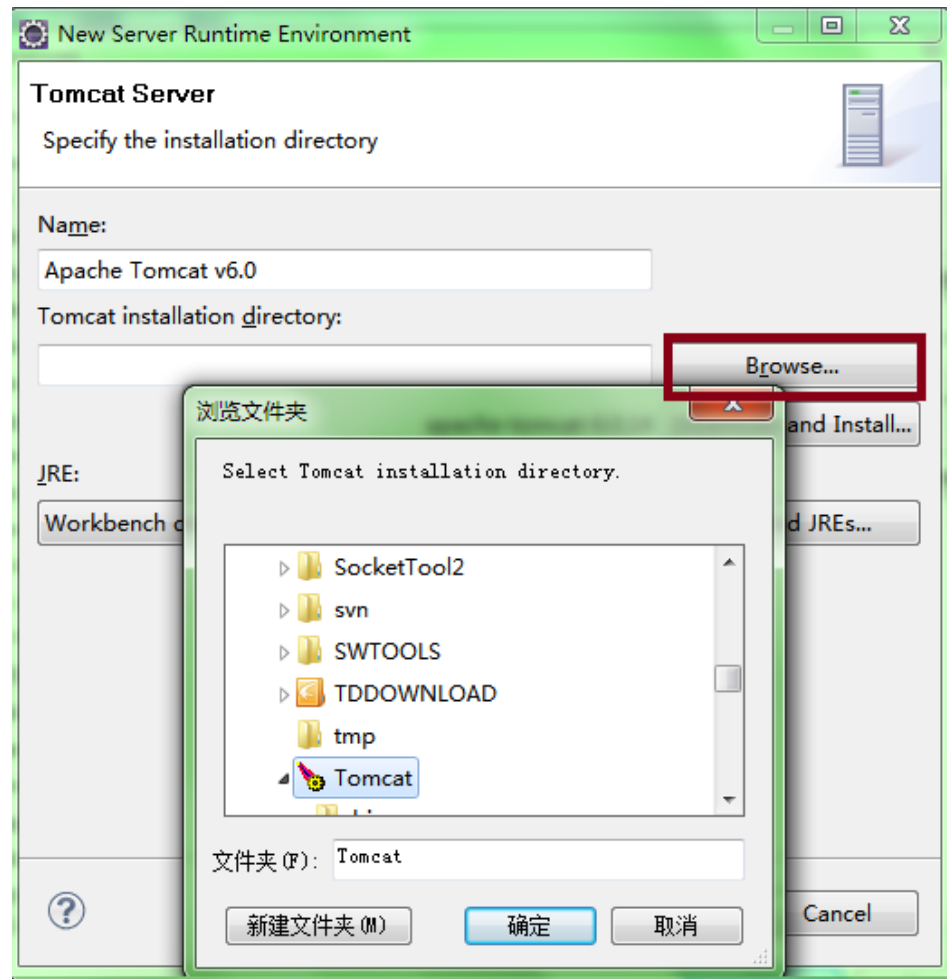
Download Tomcat 6 from internet



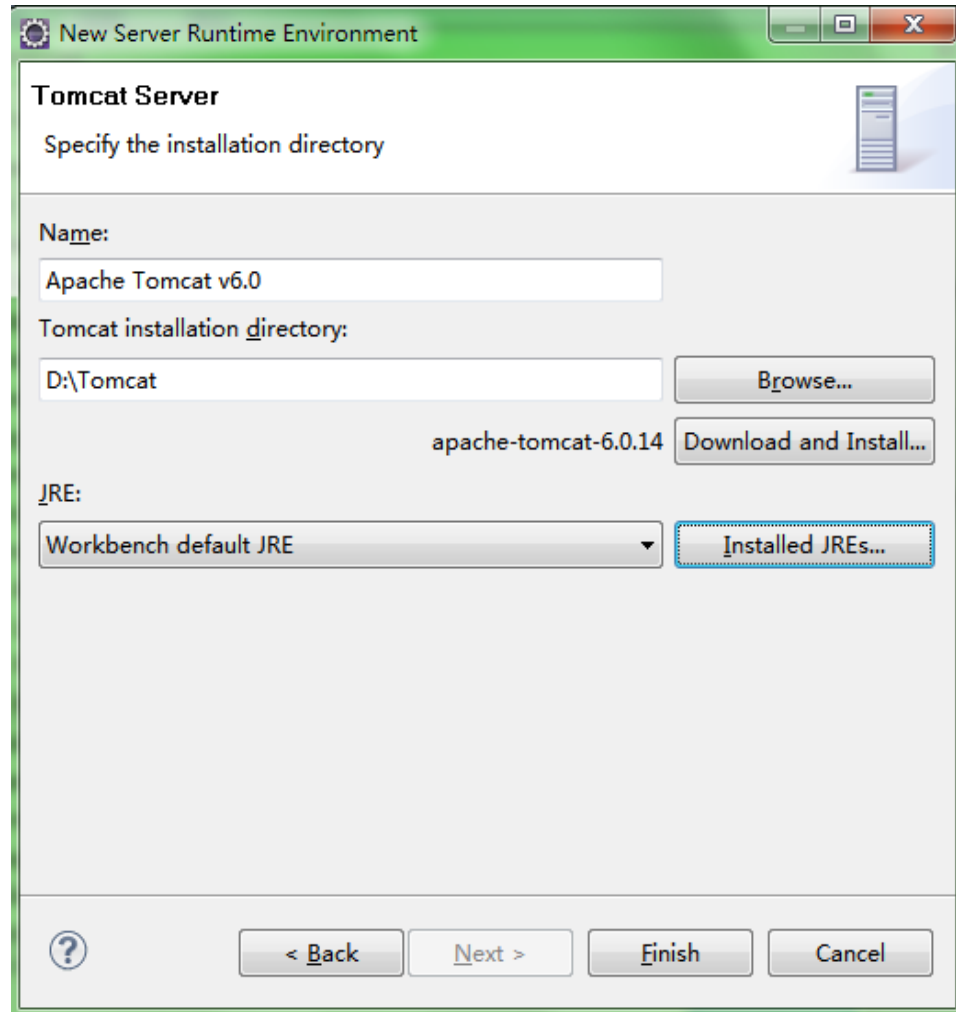
Accept the Tomcat License



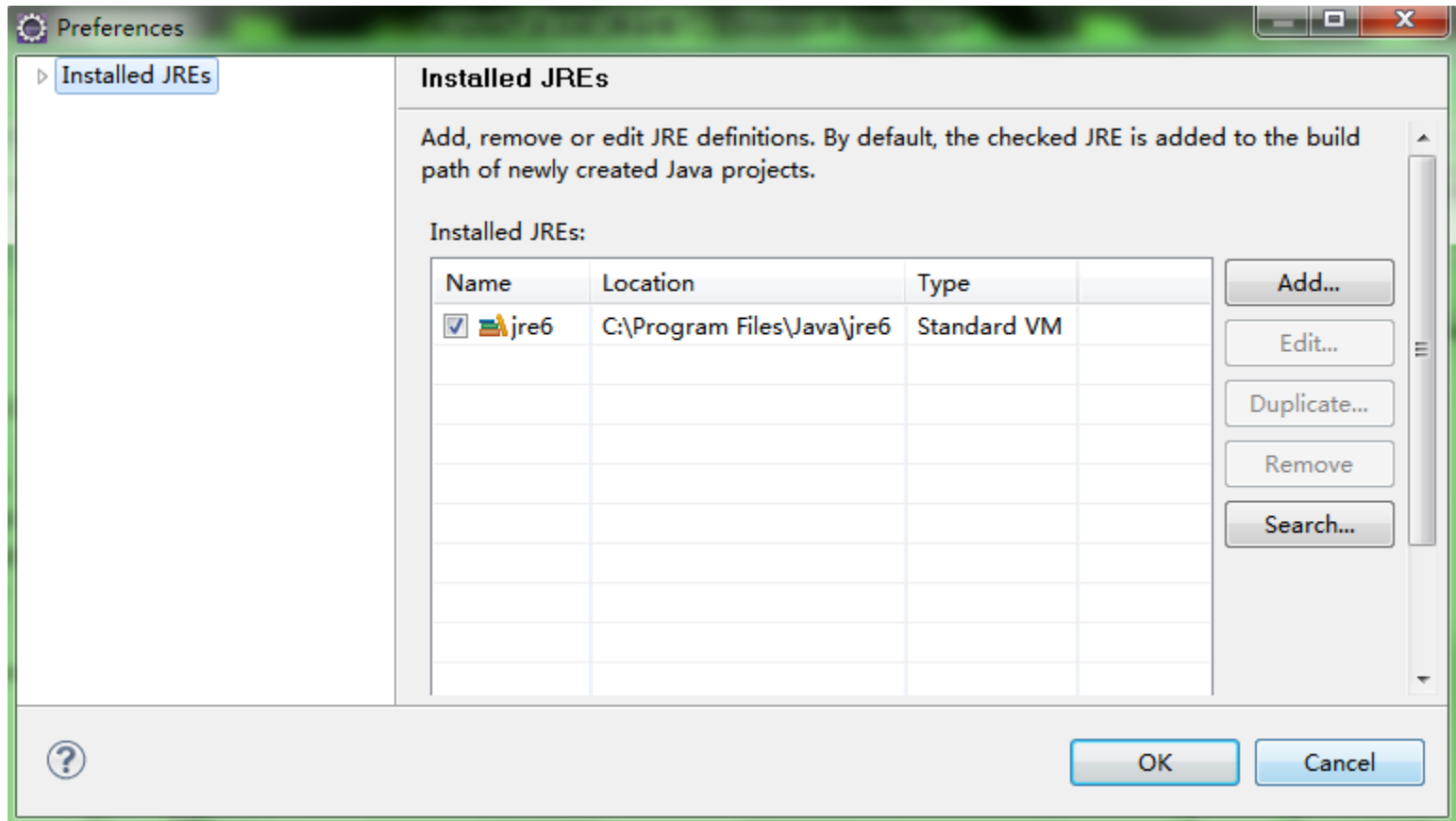
Get Tomcat from local folder



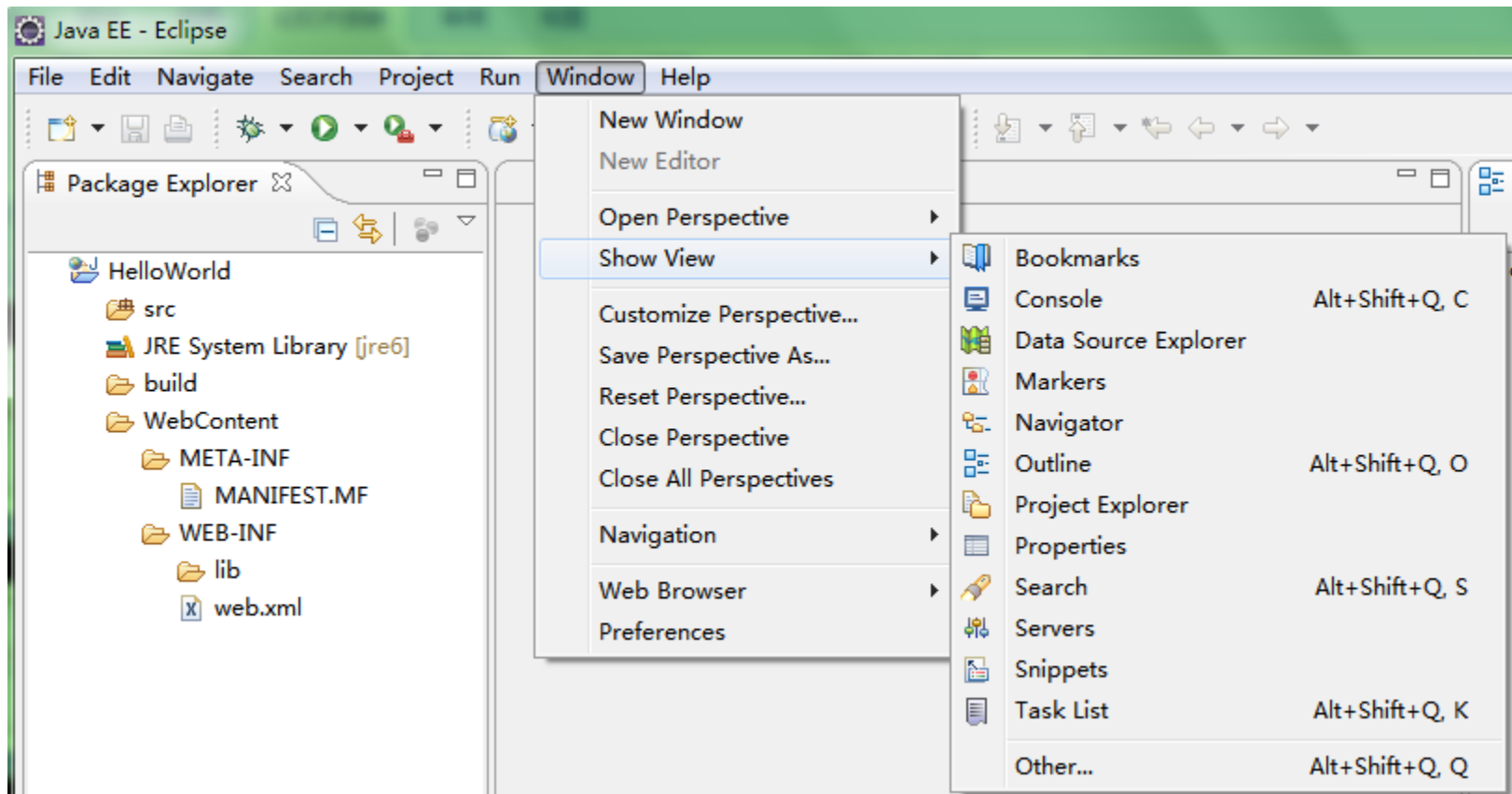
Configure Tomcat JRE



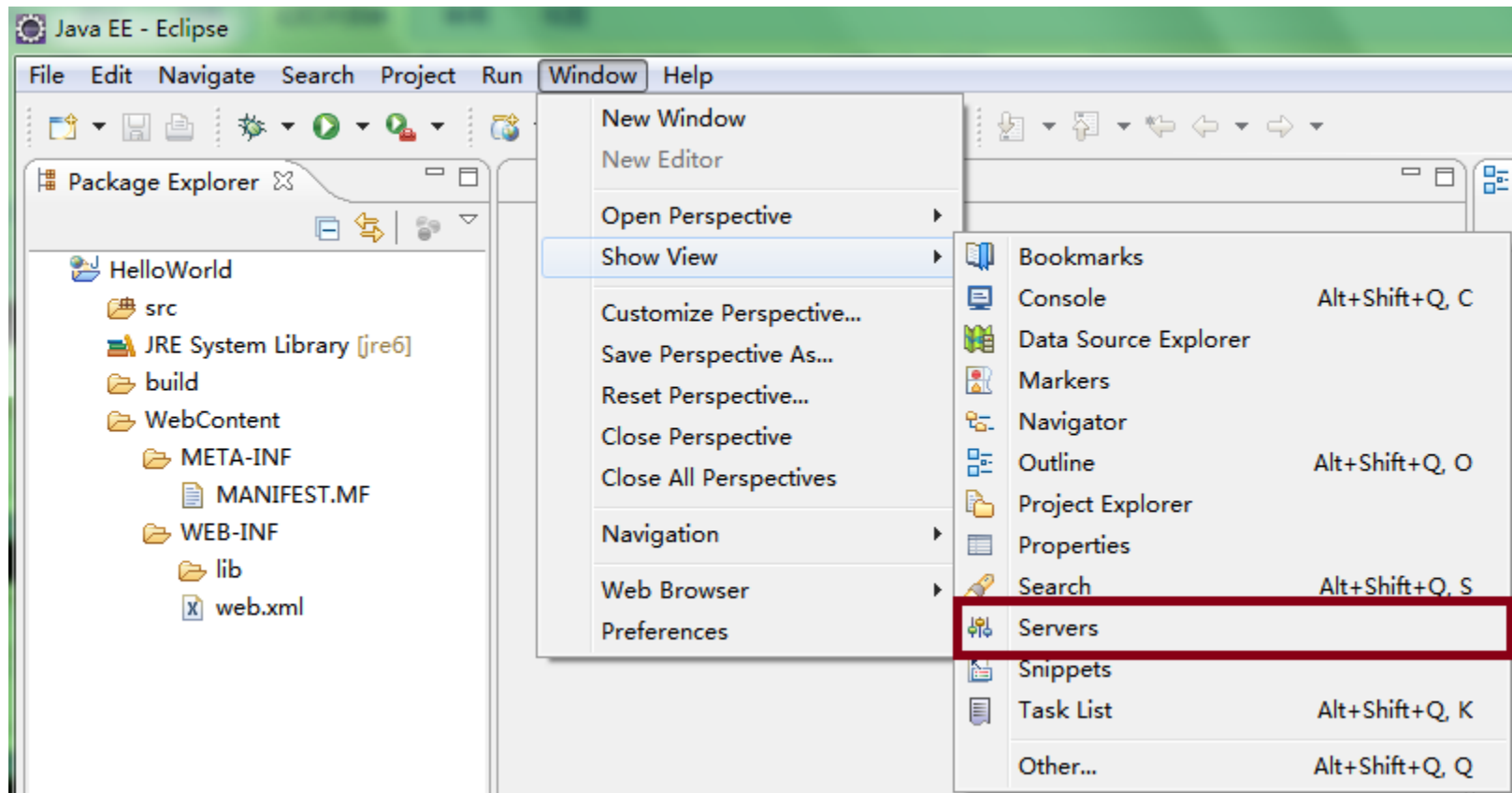
Choose the right JRE



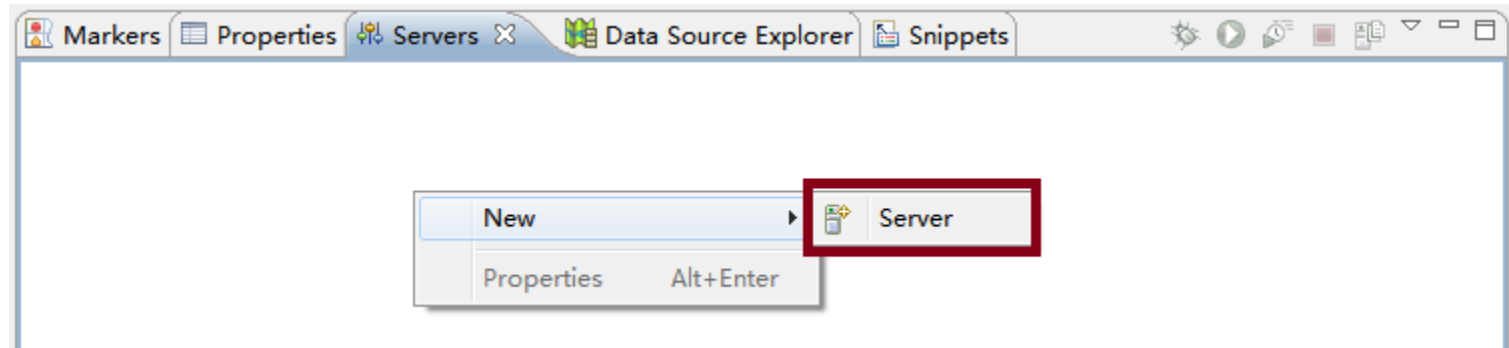
4. Start the web project



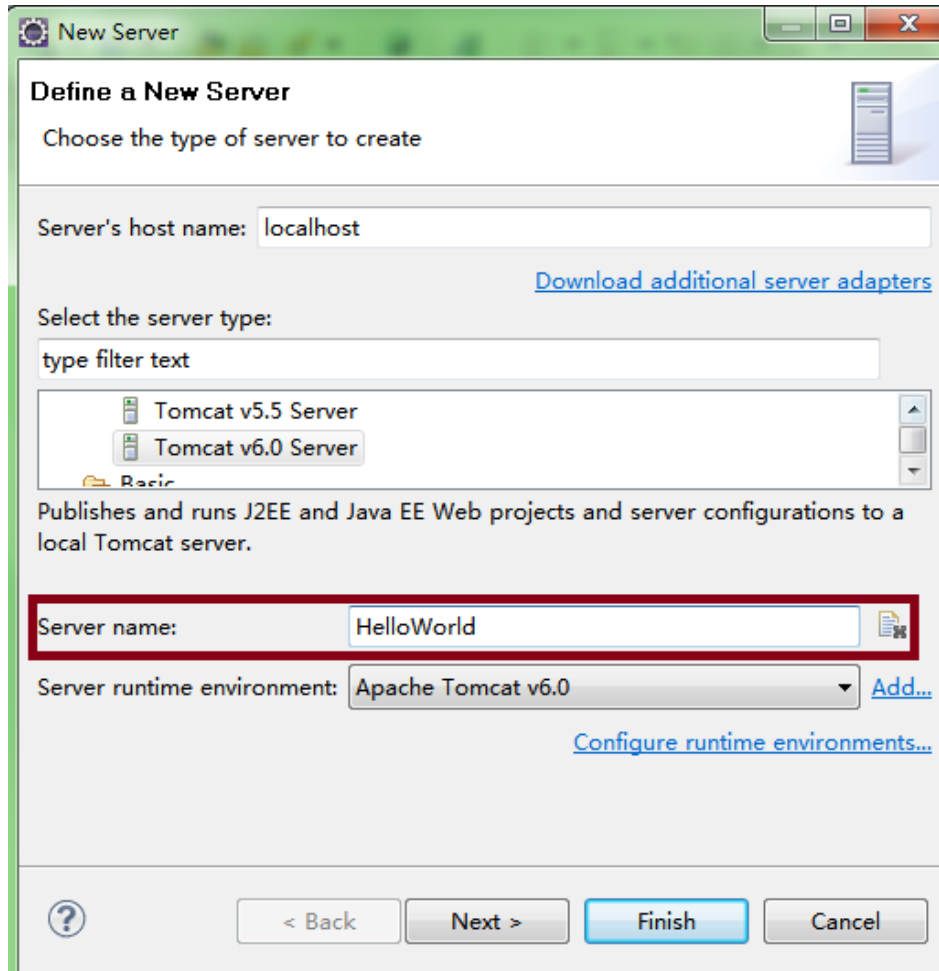
Show the server view



Create a server for project



Configure the web server



New Server

Define a New Server
Choose the type of server to create

Server's host name: localhost [Download additional server adapters](#)

Select the server type:
type filter text

- Tomcat v5.5 Server
- Tomcat v6.0 Server
- Basic

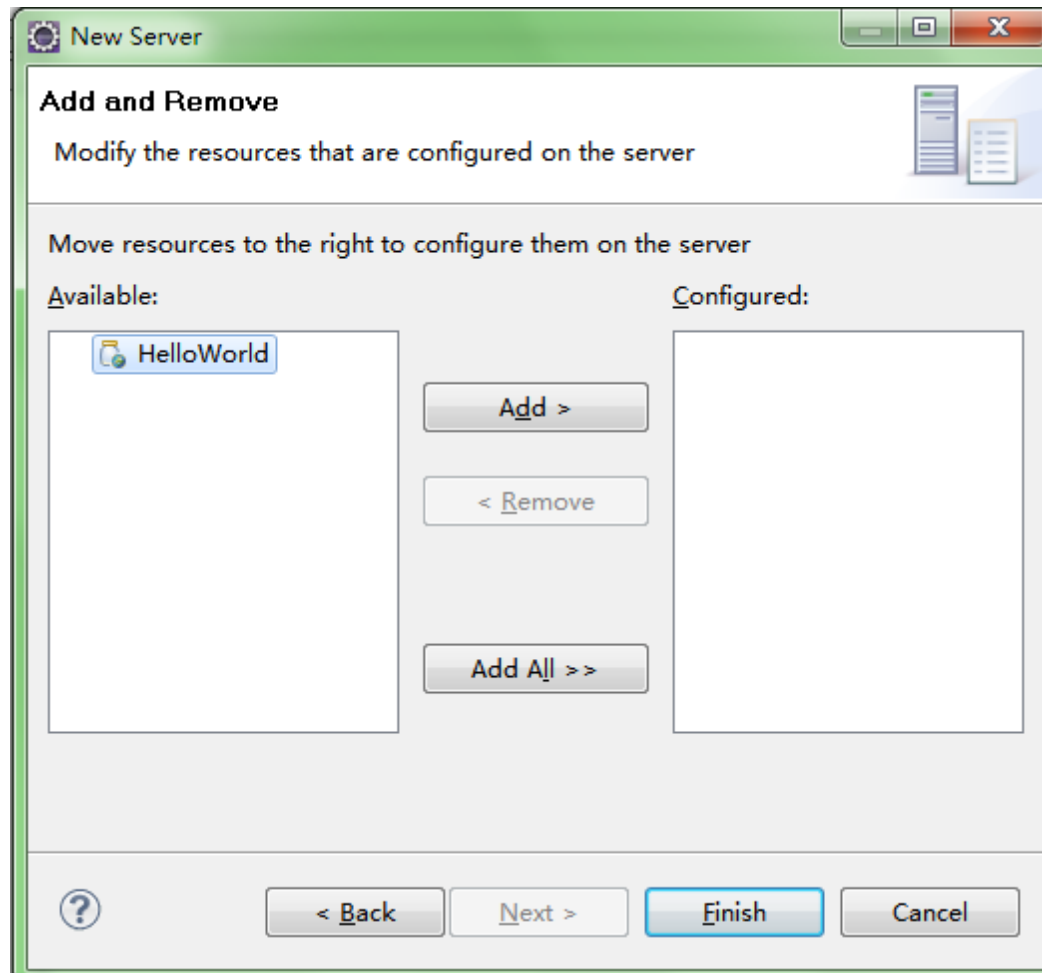
Publishes and runs J2EE and Java EE Web projects and server configurations to a local Tomcat server.

Server name: HelloWorld

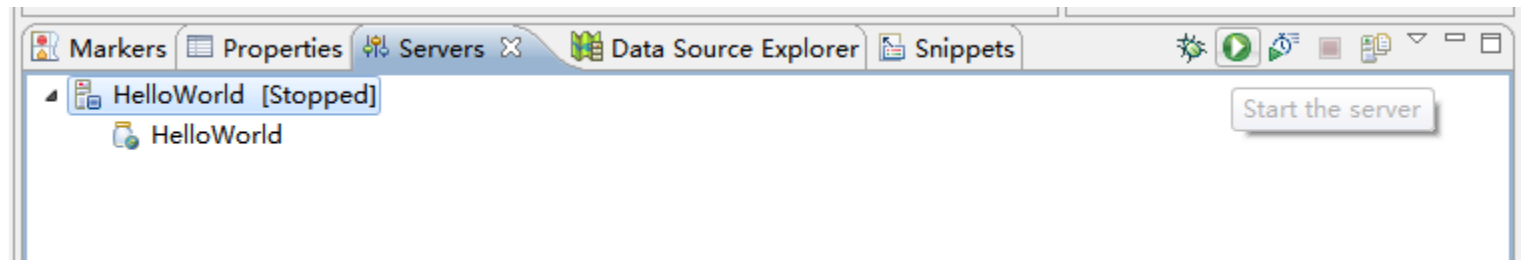
Server runtime environment: Apache Tomcat v6.0 [Add...](#)
[Configure runtime environments...](#)

? < Back Next > Finish Cancel

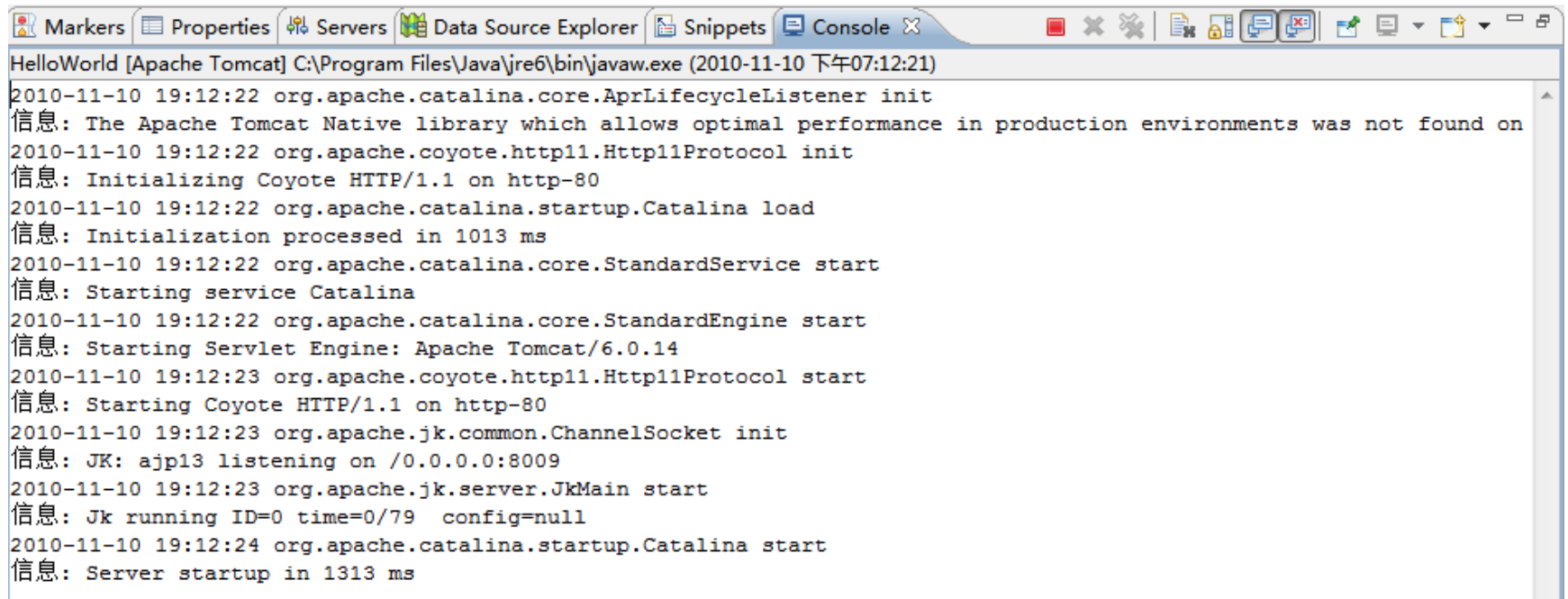
Add resources to web server



Start the web project



The details of web project start up



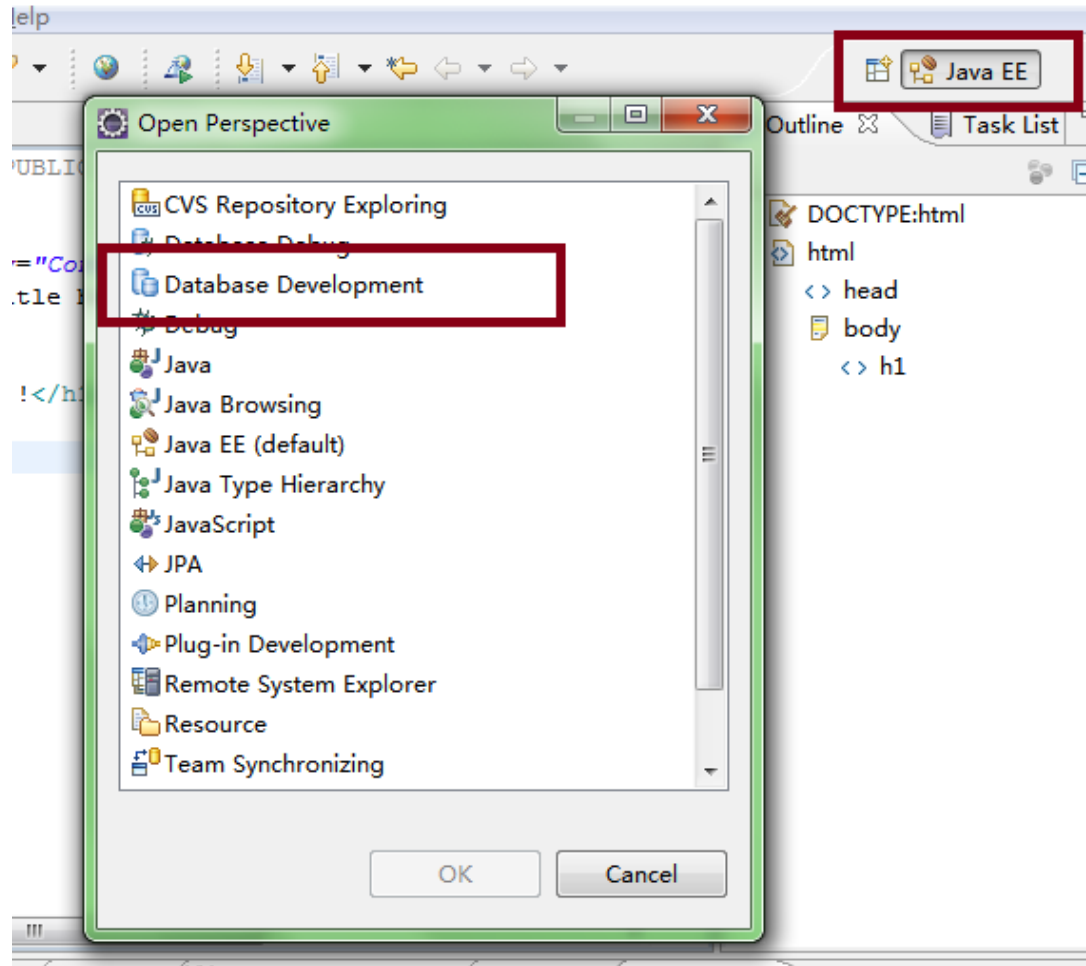
The screenshot shows an IDE console window with the following tabs: Markers, Properties, Servers, Data Source Explorer, Snippets, and Console. The console output is as follows:

```
HelloWorld [Apache Tomcat] C:\Program Files\Java\jre6\bin\javaw.exe (2010-11-10 下午07:12:21)
2010-11-10 19:12:22 org.apache.catalina.core.AprLifecycleListener init
信息: The Apache Tomcat Native library which allows optimal performance in production environments was not found on
2010-11-10 19:12:22 org.apache.coyote.http11.Http11Protocol init
信息: Initializing Coyote HTTP/1.1 on http-80
2010-11-10 19:12:22 org.apache.catalina.startup.Catalina load
信息: Initialization processed in 1013 ms
2010-11-10 19:12:22 org.apache.catalina.core.StandardService start
信息: Starting service Catalina
2010-11-10 19:12:22 org.apache.catalina.core.StandardEngine start
信息: Starting Servlet Engine: Apache Tomcat/6.0.14
2010-11-10 19:12:23 org.apache.coyote.http11.Http11Protocol start
信息: Starting Coyote HTTP/1.1 on http-80
2010-11-10 19:12:23 org.apache.jk.common.ChannelSocket init
信息: JK: ajp13 listening on /0.0.0.0:8009
2010-11-10 19:12:23 org.apache.jk.server.JkMain start
信息: Jk running ID=0 time=0/79 config=null
2010-11-10 19:12:24 org.apache.catalina.startup.Catalina start
信息: Server startup in 1313 ms
```

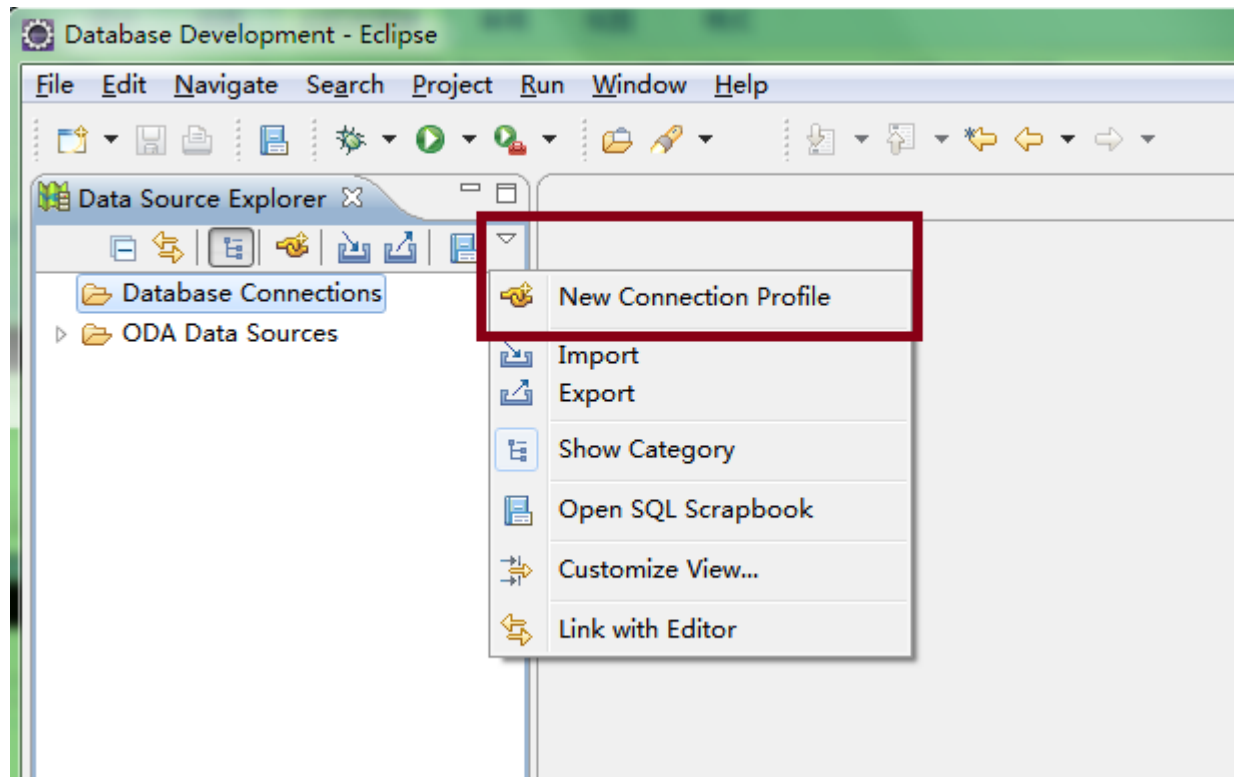
It works !



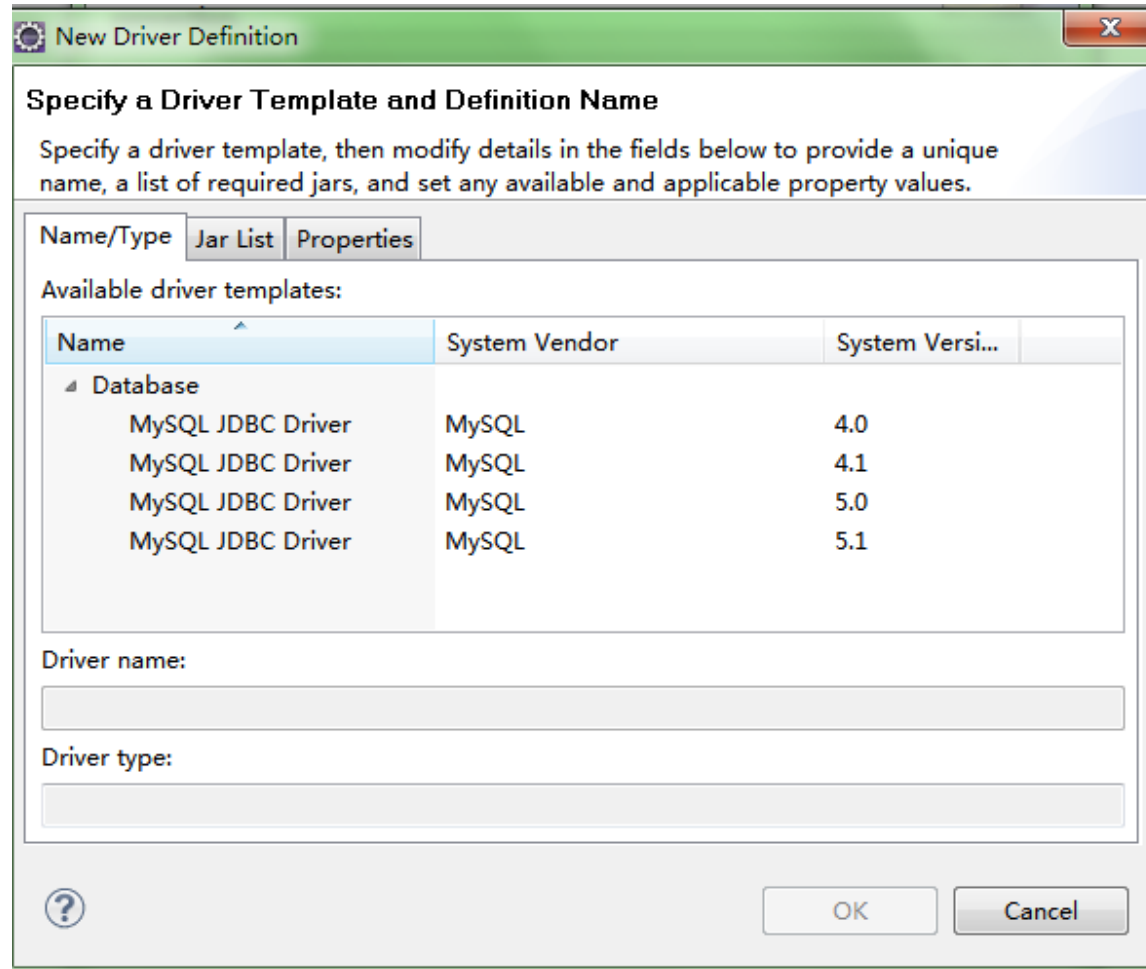
5. Database configuration



Create a new connection profile



Select JDBC Driver



Configure database details

Drivers: MySQL JDBC Driver

Properties

General Optional

Database: qianshu

URL: jdbc:mysql://localhost:3306/qianshu

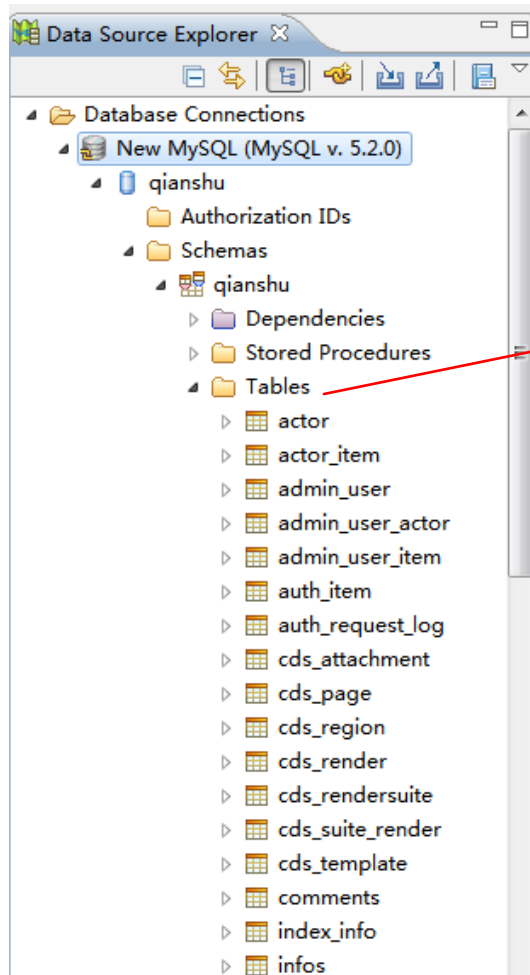
User name: root

Password: ●●●●●●

Save password

Test Connection

It works!



All the tables

- Thanks !