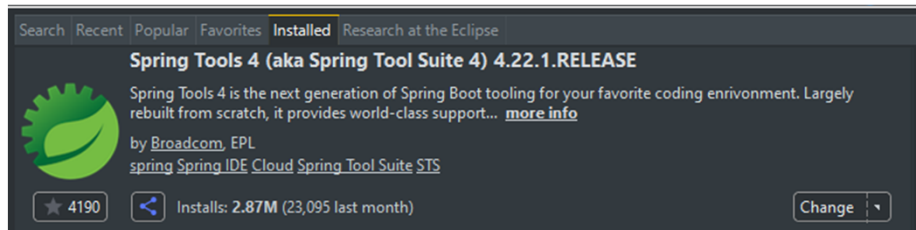
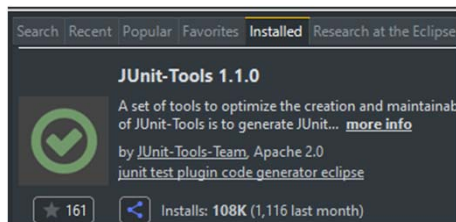
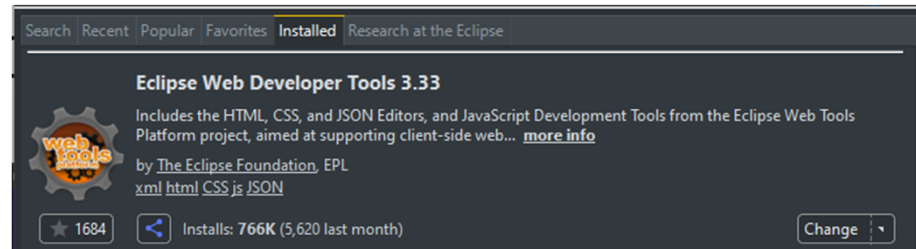
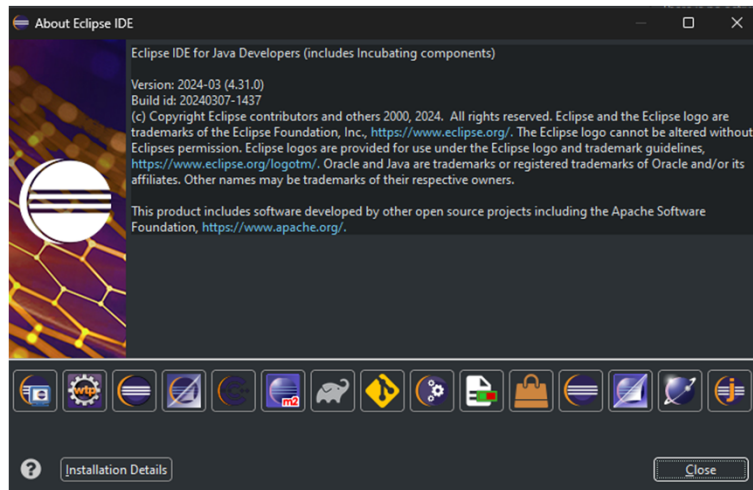
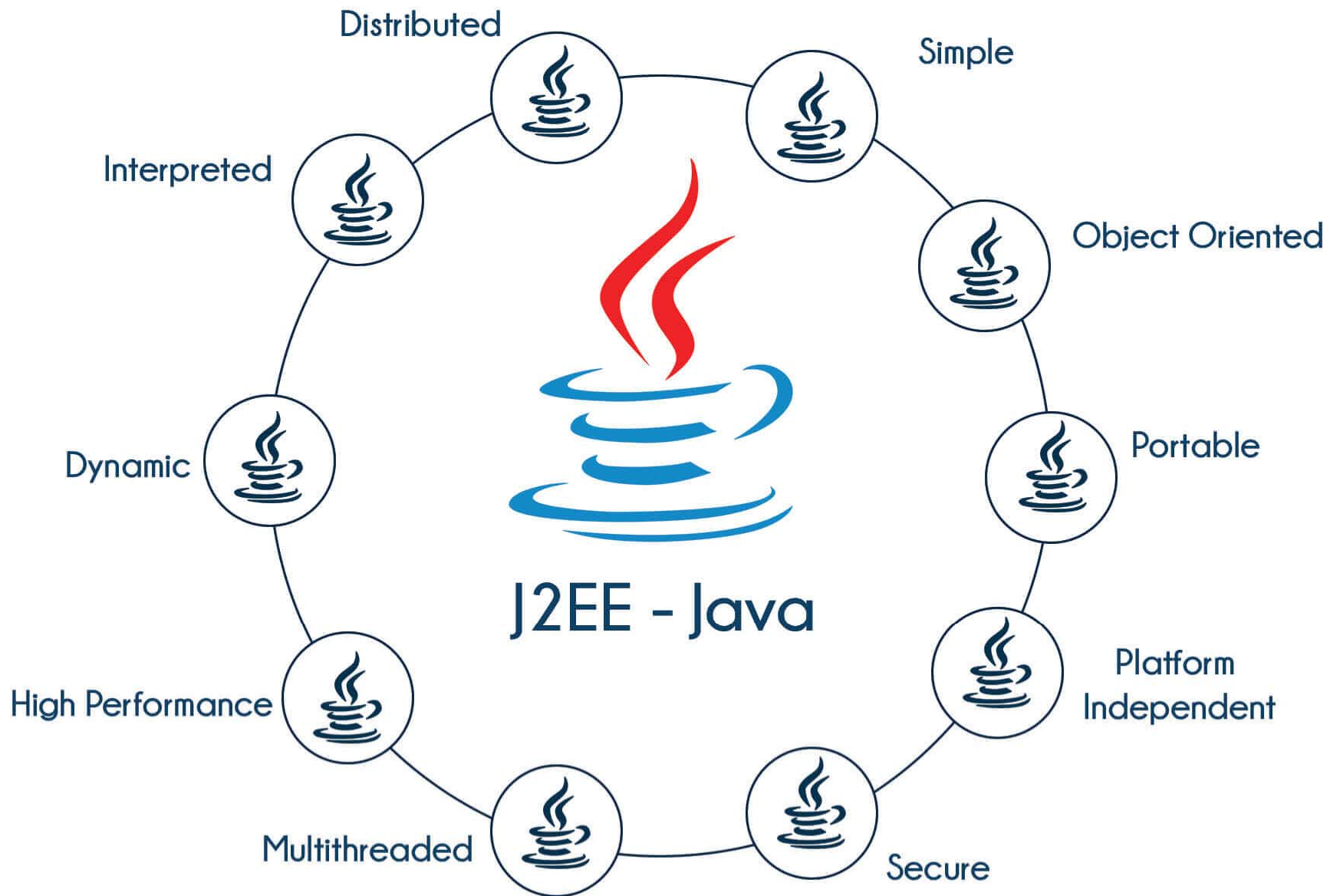


# Java

DESARROLLO DE APLICACIONES WEB

# Eclipse IDE





# ¿Qué es un Servlet?

- Un Servlet es un objeto java que pertenece a una clase que extiende `javax.servlet.http.HttpServlet`. Existen diferentes tipos de Servlets pero `HttpServlet` es el más usado.
- Un contenedor de Servlet es un programa capaz de recibir peticiones de páginas web y redireccionar estas peticiones a un objeto Servlet.

# ¿Qué es un Servlet?

- Funcionamiento de un contenedor de Servlets
  - El Browser pide una página al servidor HTTP que es un contenedor de Servlets
  - El contenedor de Servlets delega la petición a un Servlet en particular elegido de entre los Servlets que contiene.
  - El Servlet, que es una objeto java, se encarga de generar el texto de la página web que se entrega al contenedor.
  - El contenedor devuelve la página web al Browser que la solicitó.

# Apache Tomcat

- Apache Tomcat es un contenedor Java Servlet, o contenedor web, que proporciona la funcionalidad extendida para interactuar con Java Servlets, al tiempo que implementa varias especificaciones técnicas de la plataforma Java: JavaServer Pages (JSP), Java Expression Language (Java EL) y WebSocket..



# Install Apache Tomcat

The screenshot shows a web browser window with the address bar displaying `tomcat.apache.org/download-10.cgi`. The page header features the Apache Tomcat logo (a yellow cat) and the Apache Software Foundation logo. A search bar is located on the left side of the header. The main content area is titled "Tomcat 10 Software Downloads" and contains the following text:

Welcome to the Apache Tomcat® 10.x software download page. This page provides download links for obtaining the latest version of Tomcat 10.1.x software, as well as links to the archives of older releases.

Unsure which version you need? Specification versions implemented, minimum Java version required and lots more useful information may be found on the ["which version?"](#) page.

Users of Tomcat 10 onwards should be aware that, as a result of the move from Java EE to Jakarta EE as part of the transfer of Java EE to the Eclipse Foundation, the primary package for all implemented APIs has changed from `javax.*` to `jakarta.*`. This will almost certainly require code changes to enable applications to migrate from Tomcat 9 and earlier to Tomcat 10 and later. A [migration tool](#) has been developed to aid this process.

**Quick Navigation**

[KEYS](#) | [10.1.24](#) | [Browse](#) | [Archives](#)

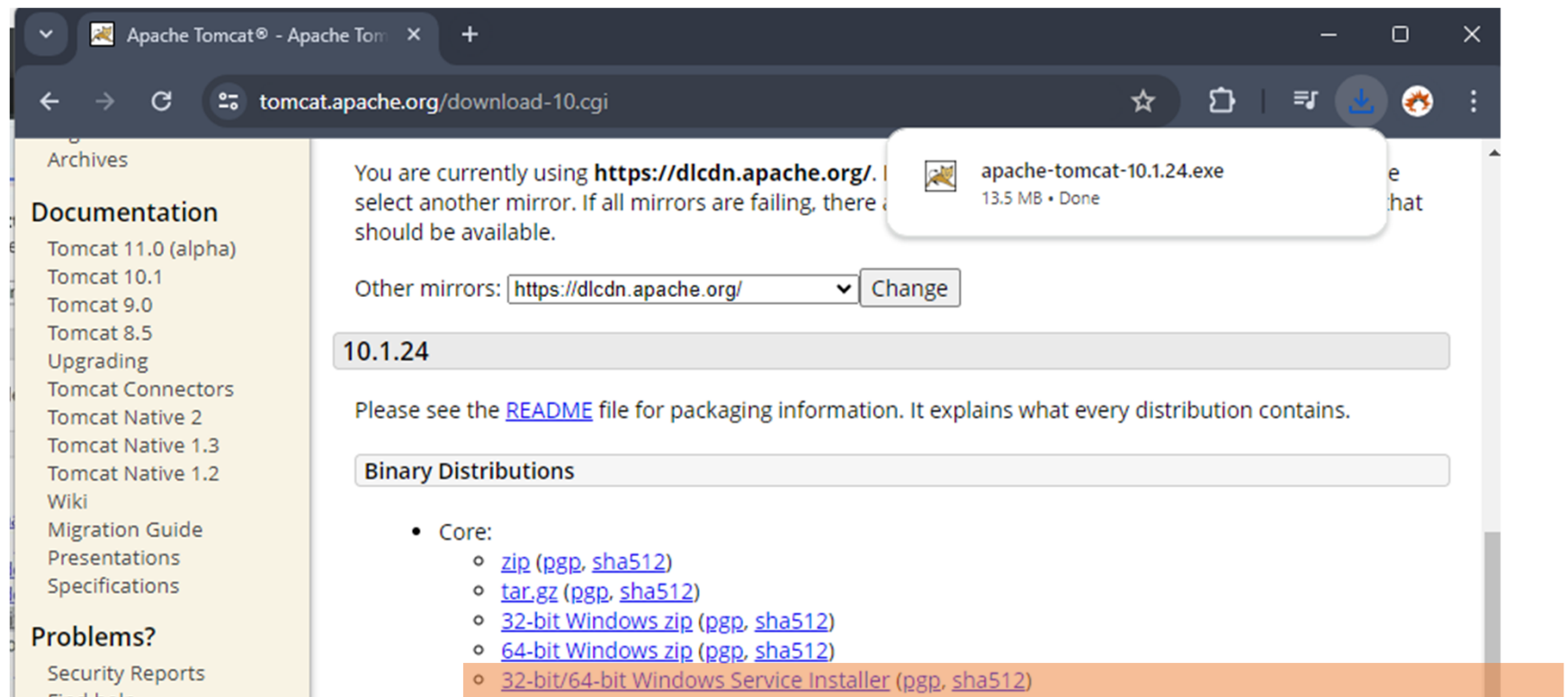
**Release Integrity**

You **must** [verify](#) the integrity of the downloaded files. We provide OpenPGP signatures for every release file. This signature should be matched against the [KEYS](#) file which contains the OpenPGP keys of Tomcat's Release Managers. We also provide **SHA-512** checksums for every release file. After you download the file, you should calculate a checksum for your download, and make sure it is the same as ours.

**Left Sidebar:**

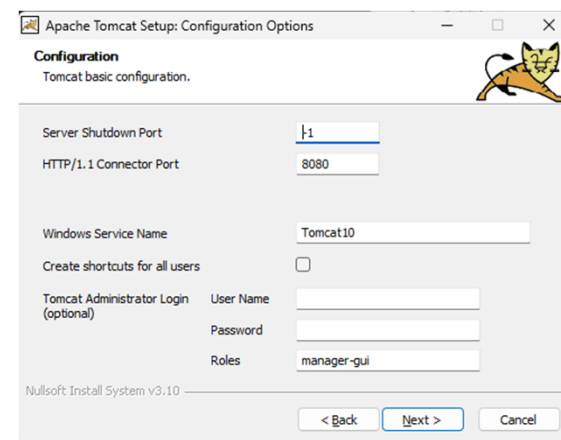
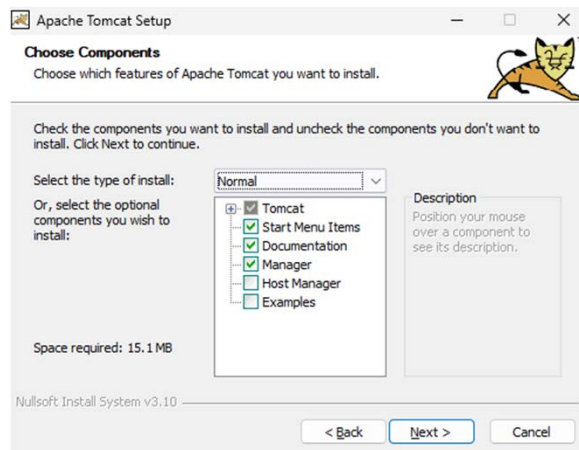
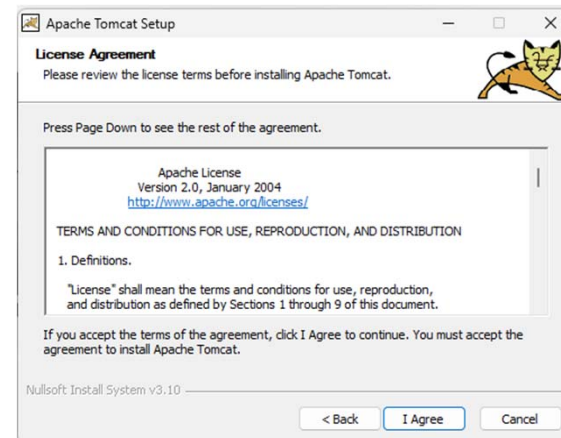
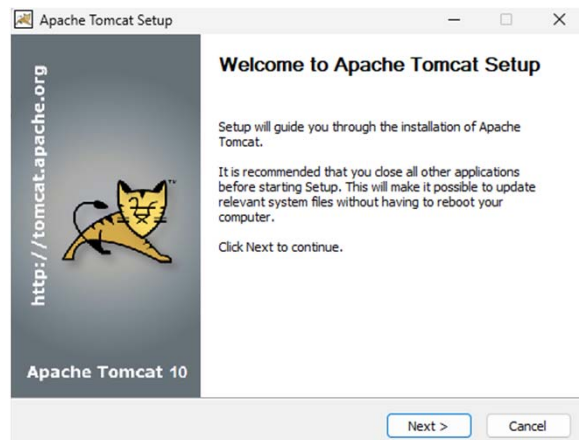
- Search...
- GO
- COMMUNITY OVER CODE
- Merge with the ASF Ecosystem
- June 5-6, 2024
- Gratis, Books
- Apache Tomcat
  - Home
  - Taglibs
  - Maven Plugin
- Download
  - Which version?
  - Tomcat 11 (alpha)
  - Tomcat 10**
  - Tomcat 9
  - Tomcat 8
  - Tomcat Migration Tool for Jakarta EE
  - Tomcat Connectors

# Install Apache Tomcat

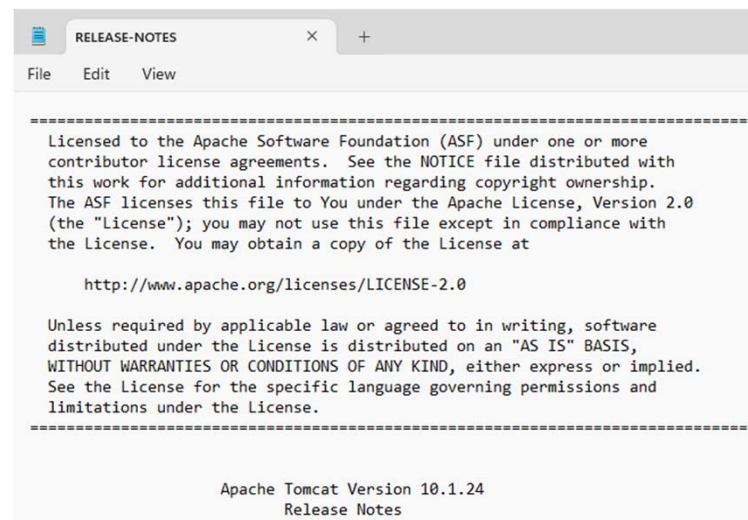
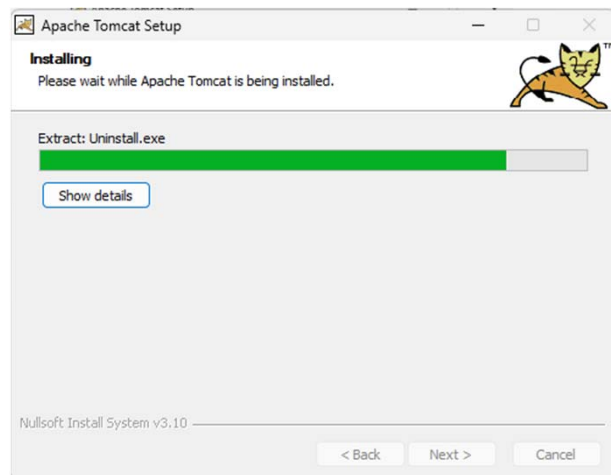
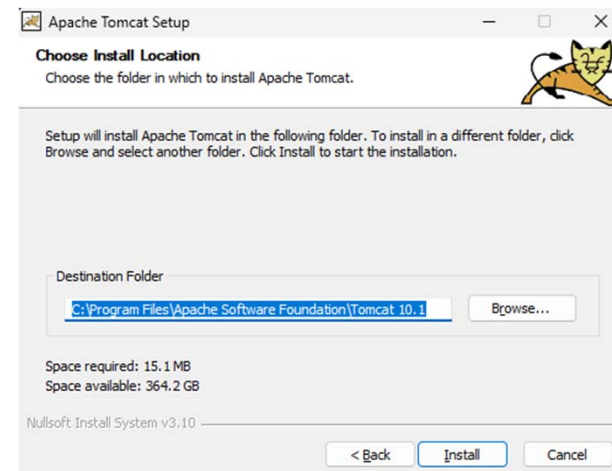
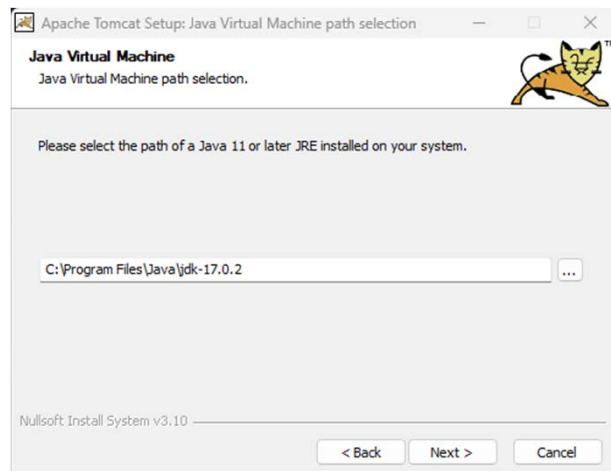




# Install Apache Tomcat



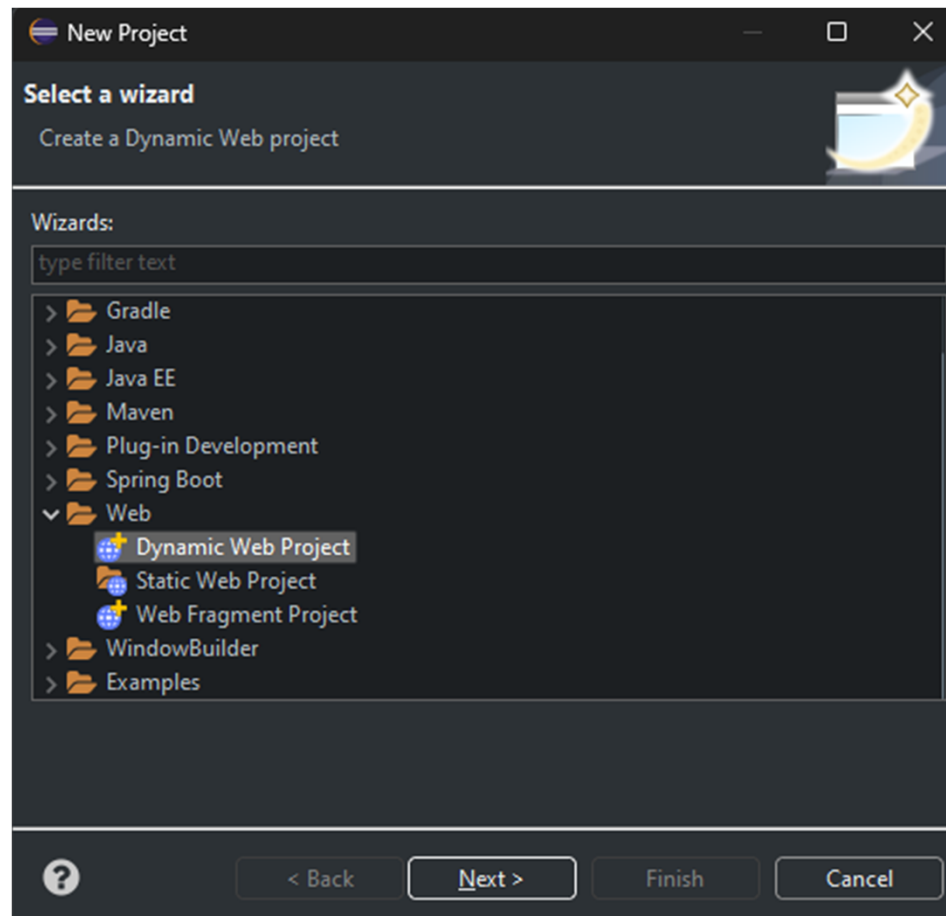
# Install Apache Tomcat



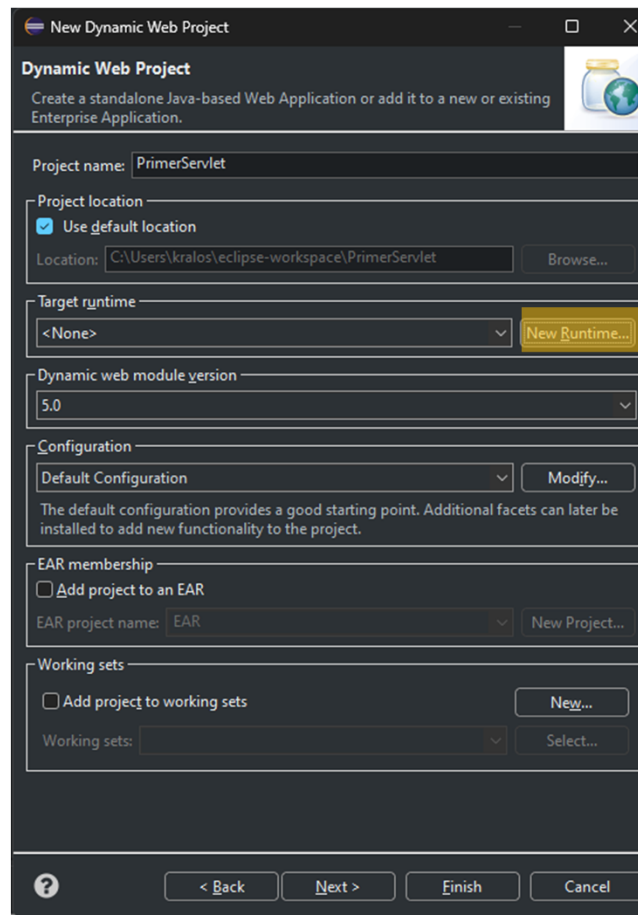
# Tecnología JSP (JavaServer Pages)

- La tecnología JavaServer Pages permite generar contenido Web dinámico como, por ejemplo, archivos HTML, DHTML, XHTML y XML, para incluirlos en una aplicación Web.
- Cuando se despliega un archivo JSP en un contenedor de servlets, este se procesa previamente. Esto contrasta con JavaScript™ en el lado del cliente (dentro de códigos <SCRIPT>), que se ejecuta en un navegador.

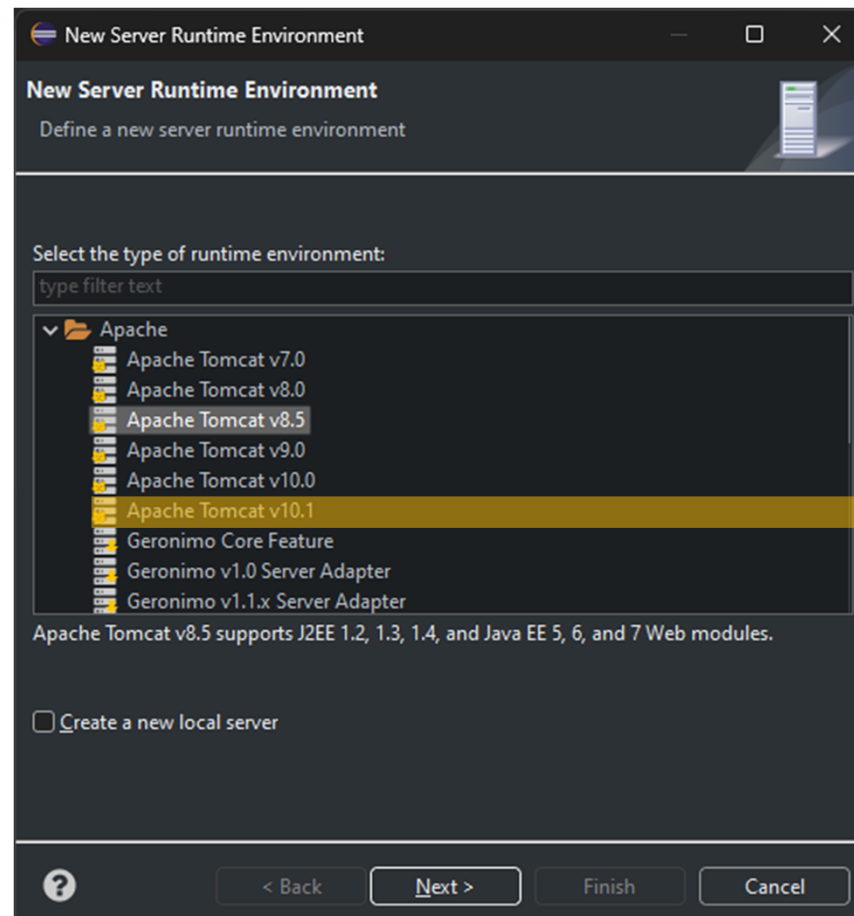
# Primer Servlet



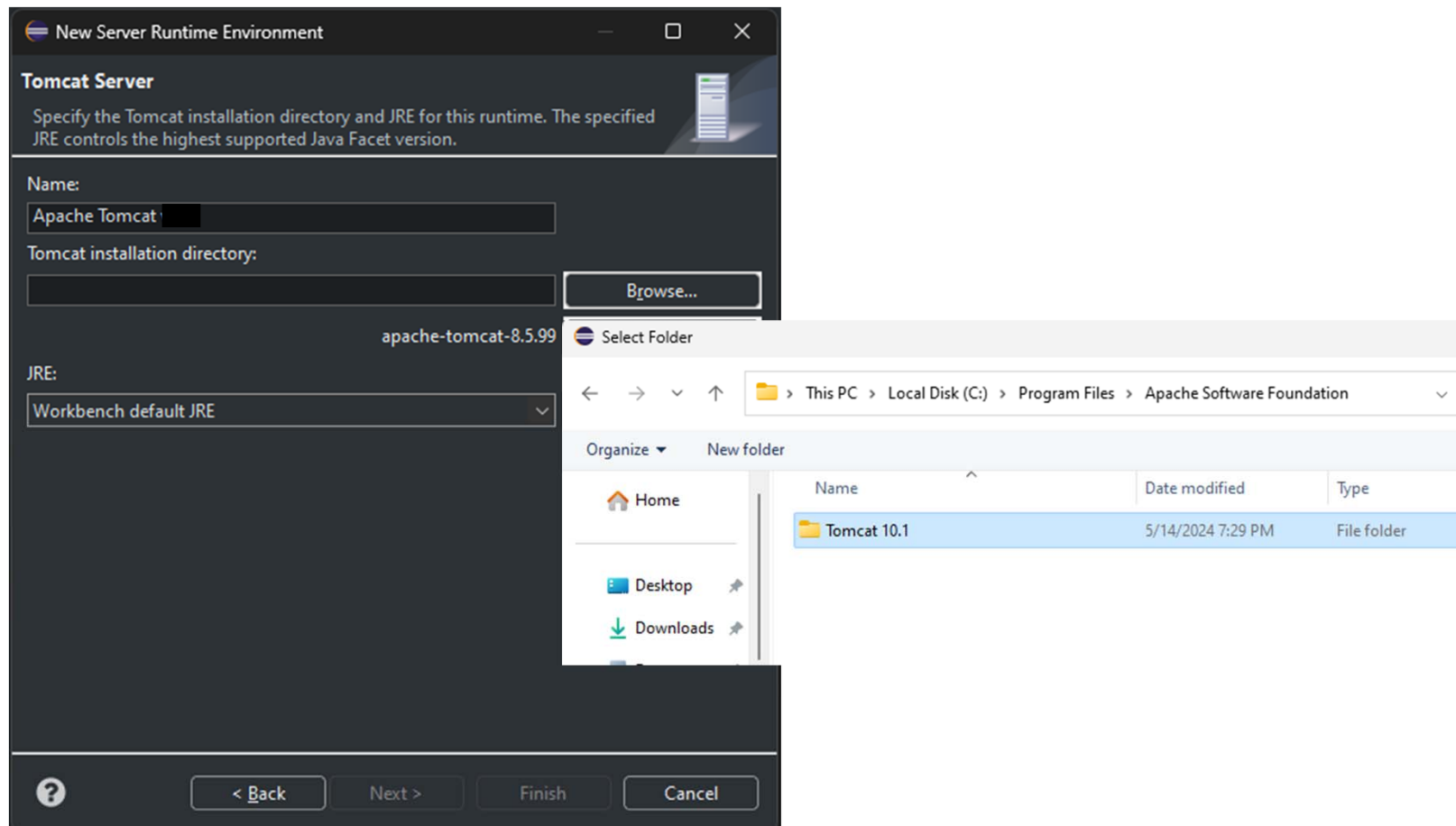
# Primer Servlet



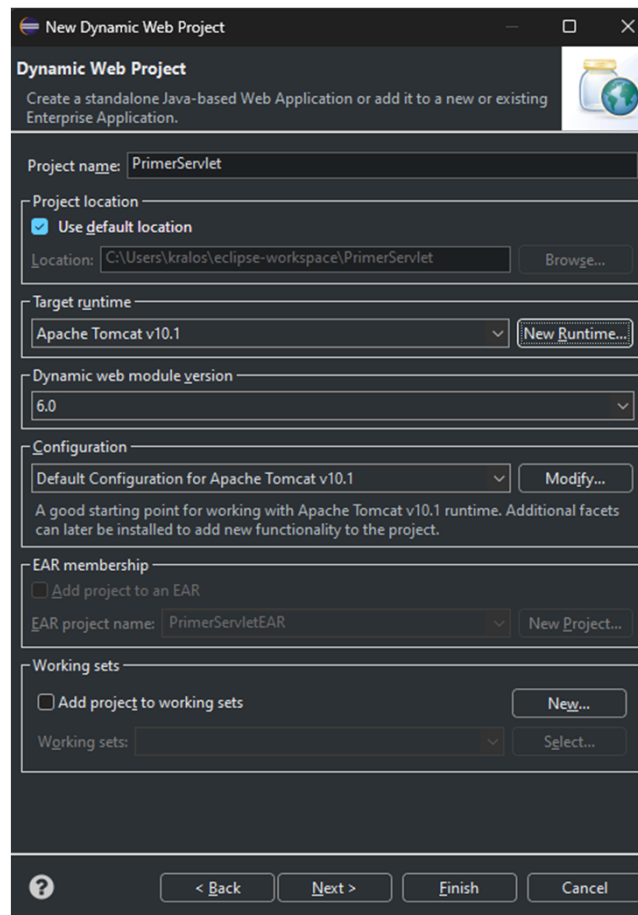
# Primer Servlet



# Primer Servlet



# Primer Servlet



The screenshot shows the 'New Dynamic Web Project' dialog box in Eclipse. The dialog is titled 'New Dynamic Web Project' and has a subtitle 'Dynamic Web Project' with a description: 'Create a standalone Java-based Web Application or add it to a new or existing Enterprise Application.' The project name is 'PrimerServlet'. The project location is set to 'C:\Users\kralos\workspace\PrimerServlet' with the 'Use default location' checkbox checked. The target runtime is 'Apache Tomcat v10.1'. The dynamic web module version is '6.0'. The configuration is 'Default Configuration for Apache Tomcat v10.1'. The EAR membership section is empty. The working sets section is empty. At the bottom, there are buttons for '< Back', 'Next >', 'Finish', and 'Cancel'.

**New Dynamic Web Project**

**Dynamic Web Project**  
Create a standalone Java-based Web Application 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 v10.1 runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

☐ Add project to an EAR

EAR project name:

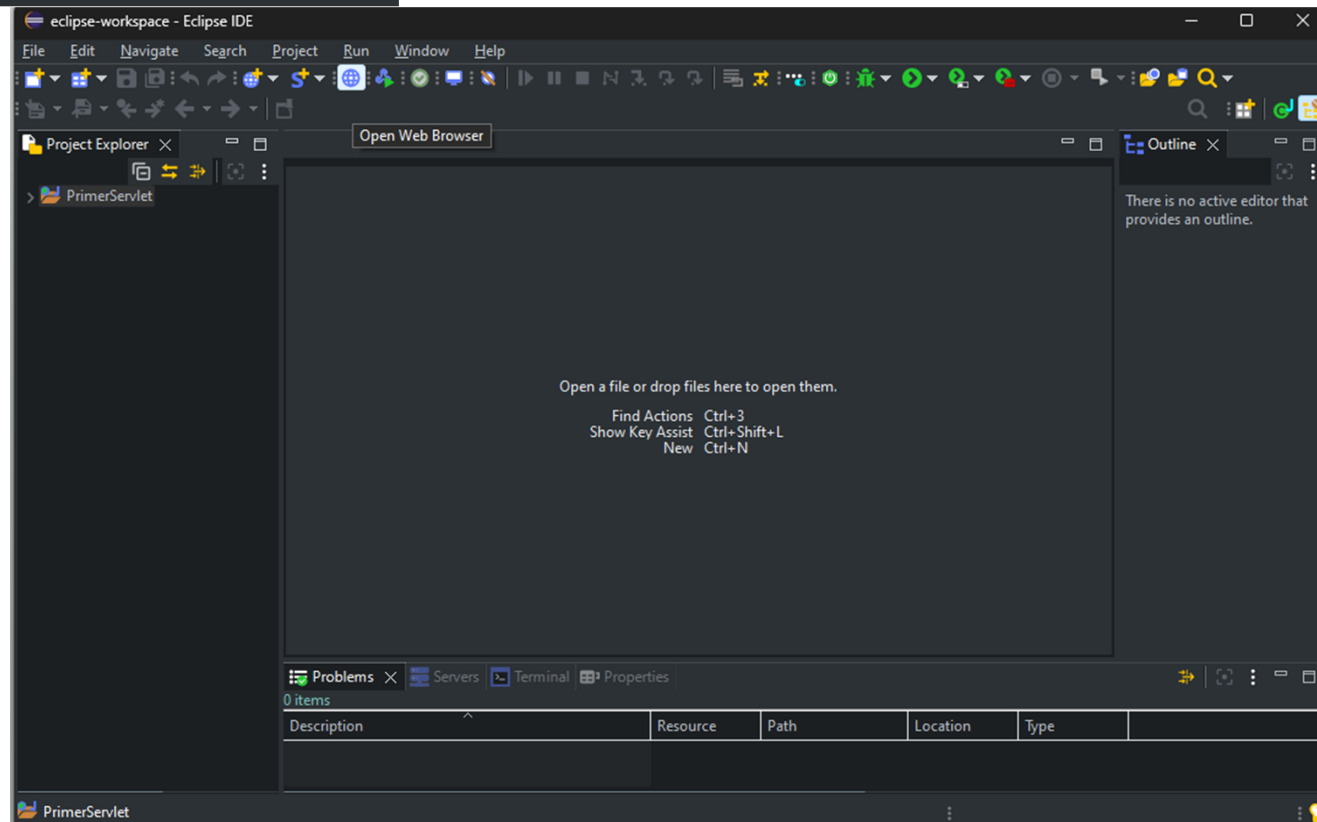
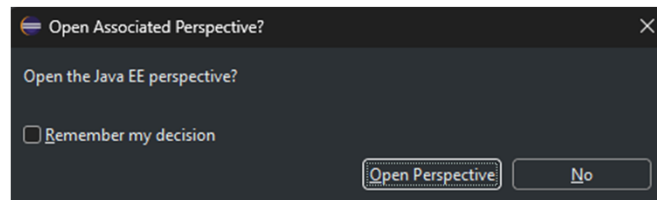
Working sets

☐ Add project to working sets

Working sets:



# Primer Servlet



# Referencias