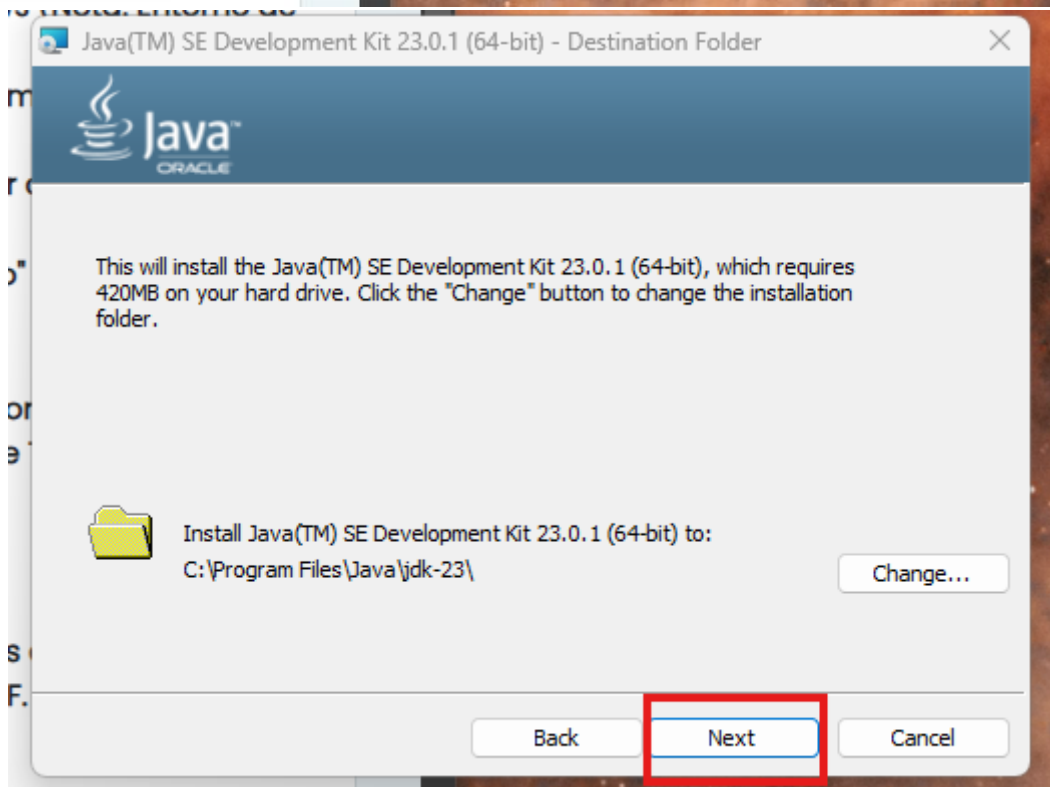
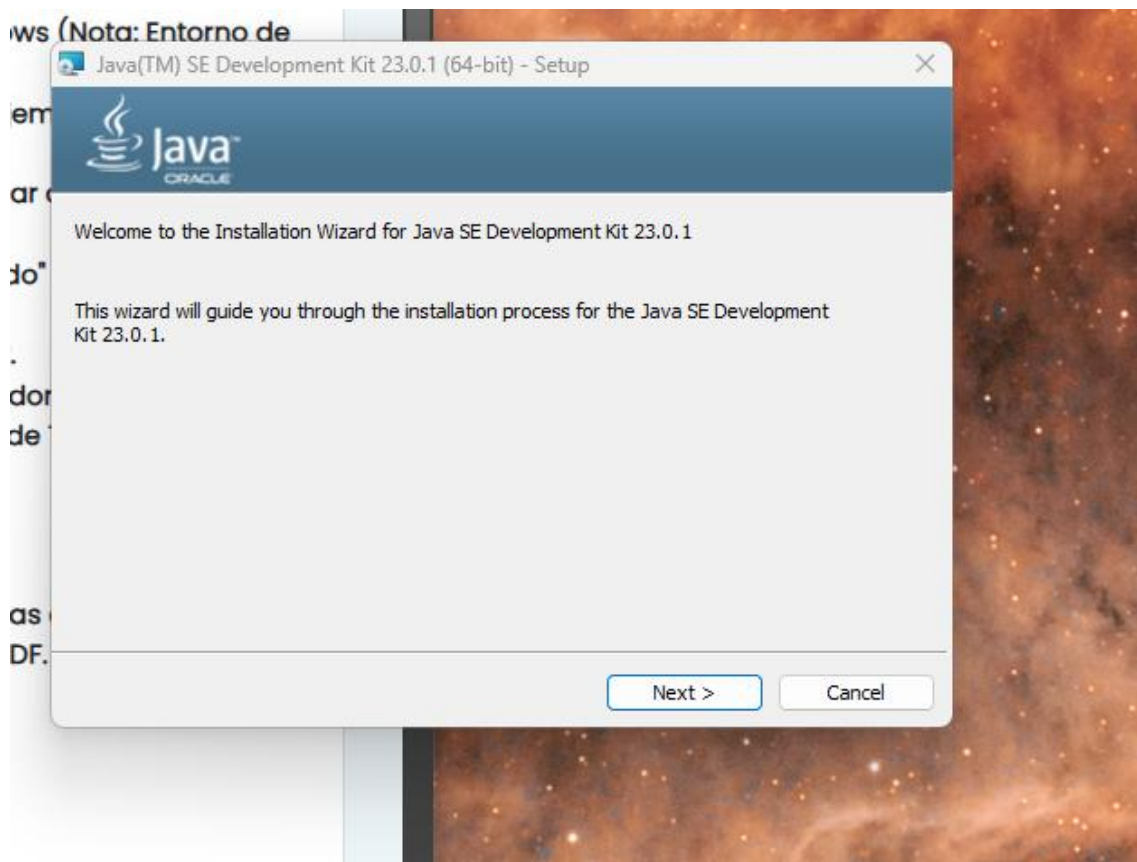
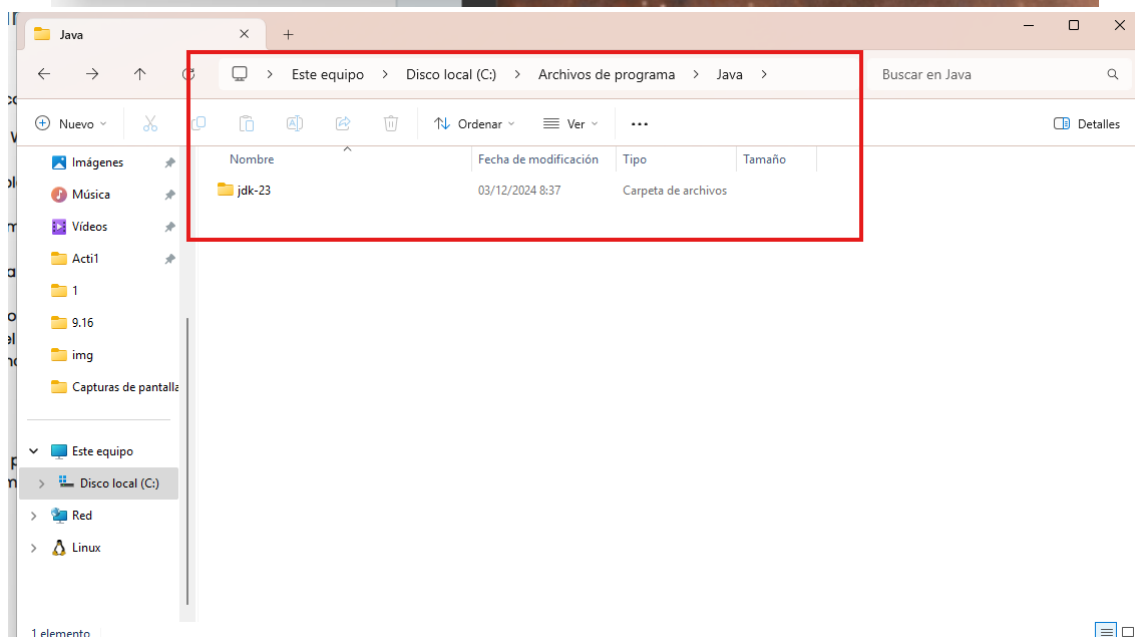


Álvaro Joaquín Albarracín Salinas. 1ºDAW.

Instalación de Java(JDK).





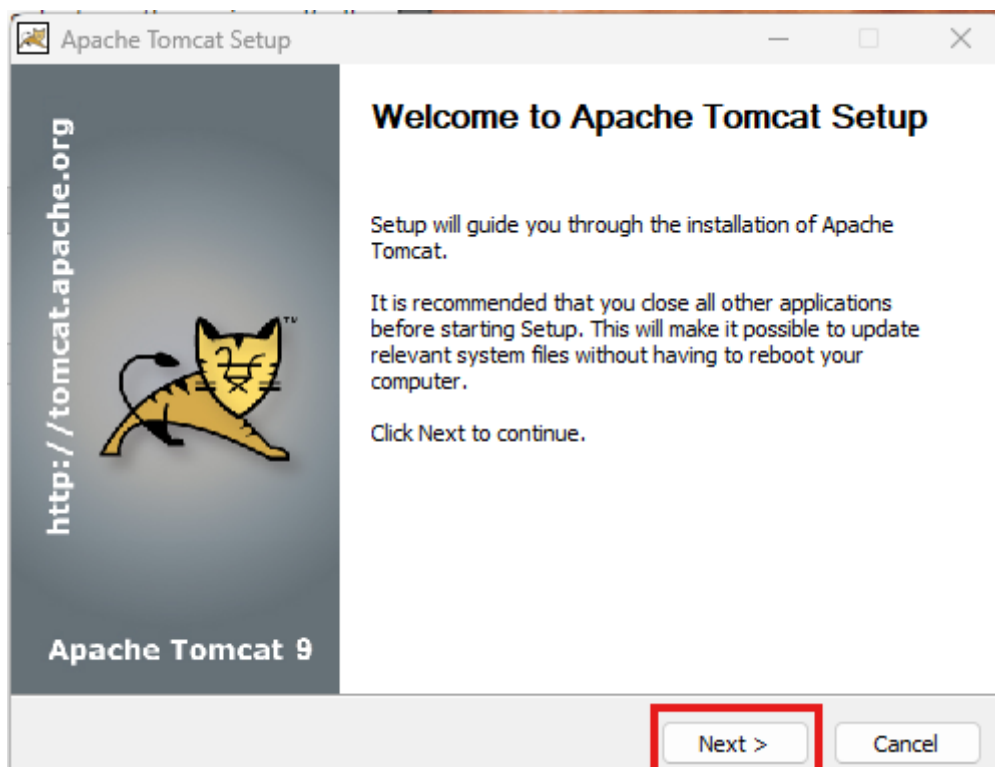
Instalación de Apache Tomcat.

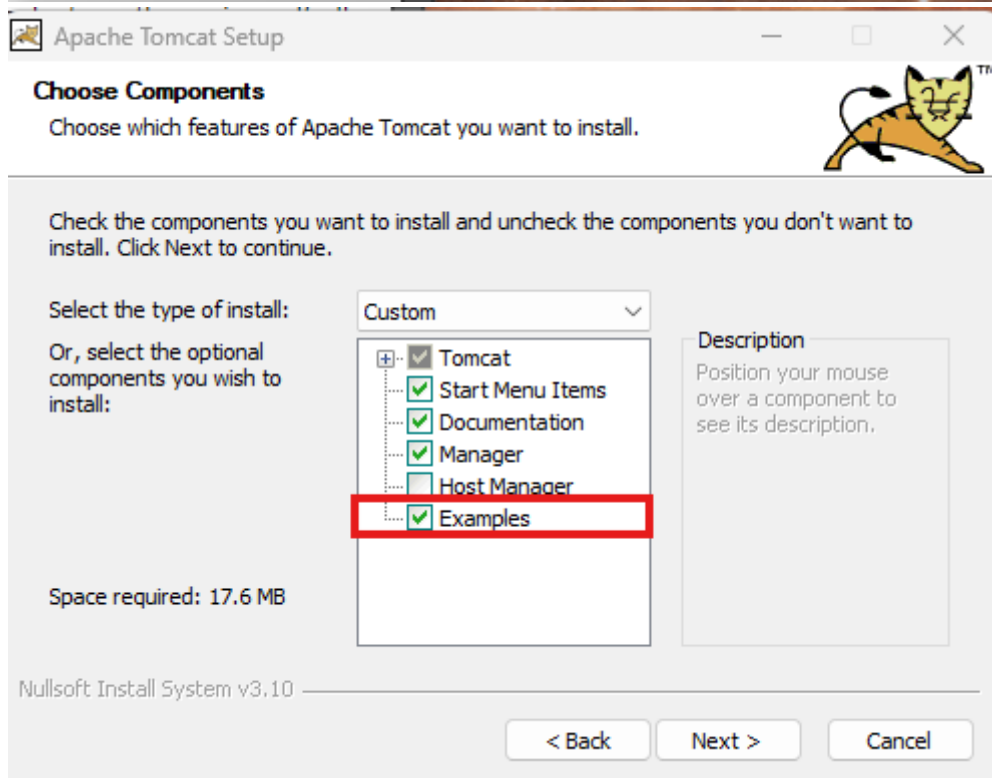
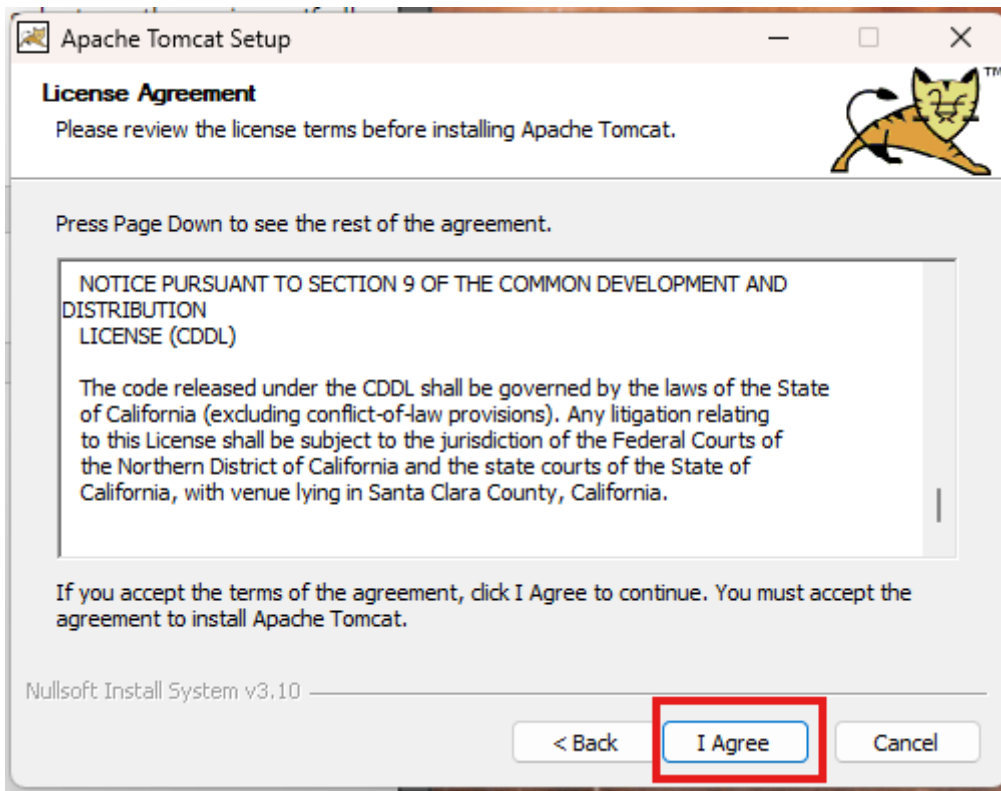
Binary Distributions

- 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](#))
- Full documentation:
 - [tar.gz](#) ([pgp](#), [sha512](#))
- Deployer:
 - [zip](#) ([pgp](#), [sha512](#))
 - [tar.gz](#) ([pgp](#), [sha512](#))
- Embedded:
 - [tar.gz](#) ([pgp](#), [sha512](#))
 - [zip](#) ([pgp](#), [sha512](#))

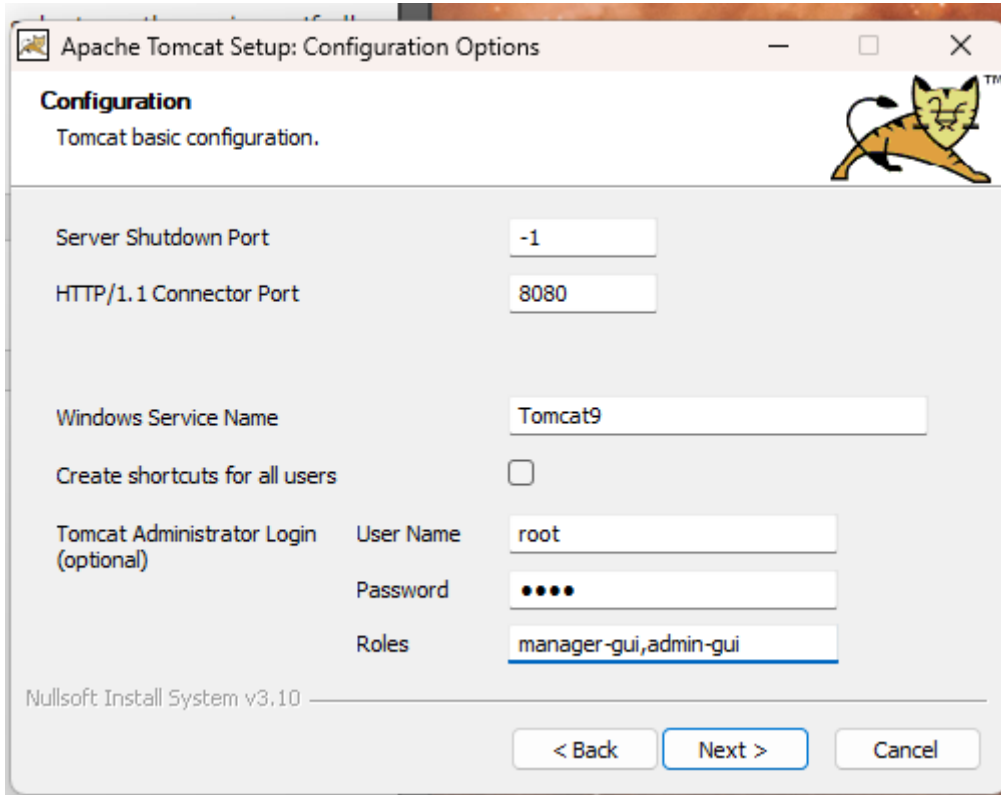
Source Code Distributions

- [tar.gz](#) ([pgp](#), [sha512](#))
- [zip](#) ([pgp](#), [sha512](#))





Establecemos el usuario y contraseña root.



The screenshot shows the 'Apache Tomcat Setup: Configuration Options' window. It features a title bar with standard window controls and a close button. The main area is titled 'Configuration' with the subtitle 'Tomcat basic configuration.' and a cartoon cat logo. The configuration options include: 'Server Shutdown Port' set to '-1', 'HTTP/1.1 Connector Port' set to '8080', 'Windows Service Name' set to 'Tomcat9', 'Create shortcuts for all users' with an unchecked checkbox, and 'Tomcat Administrator Login (optional)' with fields for 'User Name' (root), 'Password' (masked with dots), and 'Roles' (manager-gui,admin-gui). At the bottom, there is a progress bar for 'Nullsoft Install System v3.10' and three buttons: '< Back', 'Next >', and 'Cancel'.

Apache Tomcat Setup: Configuration Options

Configuration
Tomcat basic configuration.

Server Shutdown Port: -1

HTTP/1.1 Connector Port: 8080

Windows Service Name: Tomcat9

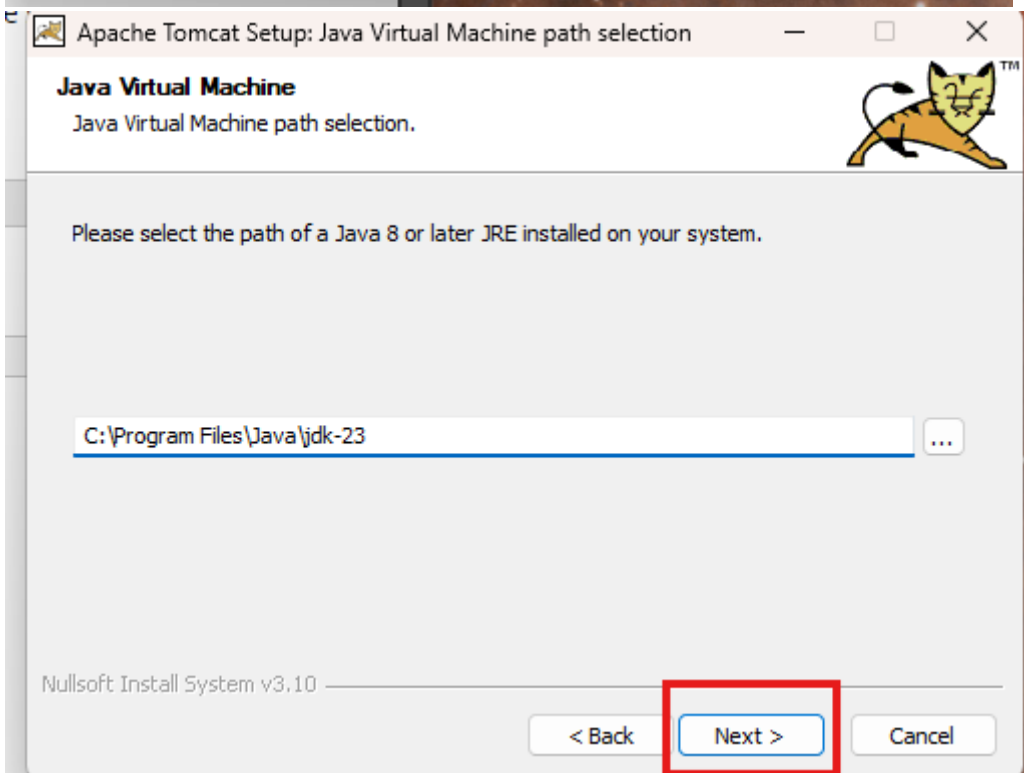
Create shortcuts for all users: ☐

Tomcat Administrator Login (optional):

- User Name: root
- Password: •••••
- Roles: manager-gui,admin-gui

Nullsoft Install System v3.10

< Back Next > Cancel



The screenshot shows the 'Apache Tomcat Setup: Java Virtual Machine path selection' window. It has a title bar with standard window controls and a close button. The main area is titled 'Java Virtual Machine' with the subtitle 'Java Virtual Machine path selection.' and a cartoon cat logo. The text 'Please select the path of a Java 8 or later JRE installed on your system.' is displayed. Below this is a text field containing 'C:\Program Files\Java\jdk-23' and a browse button ('...'). At the bottom, there is a progress bar for 'Nullsoft Install System v3.10' and three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a red rectangle.

Apache Tomcat Setup: Java Virtual Machine path selection

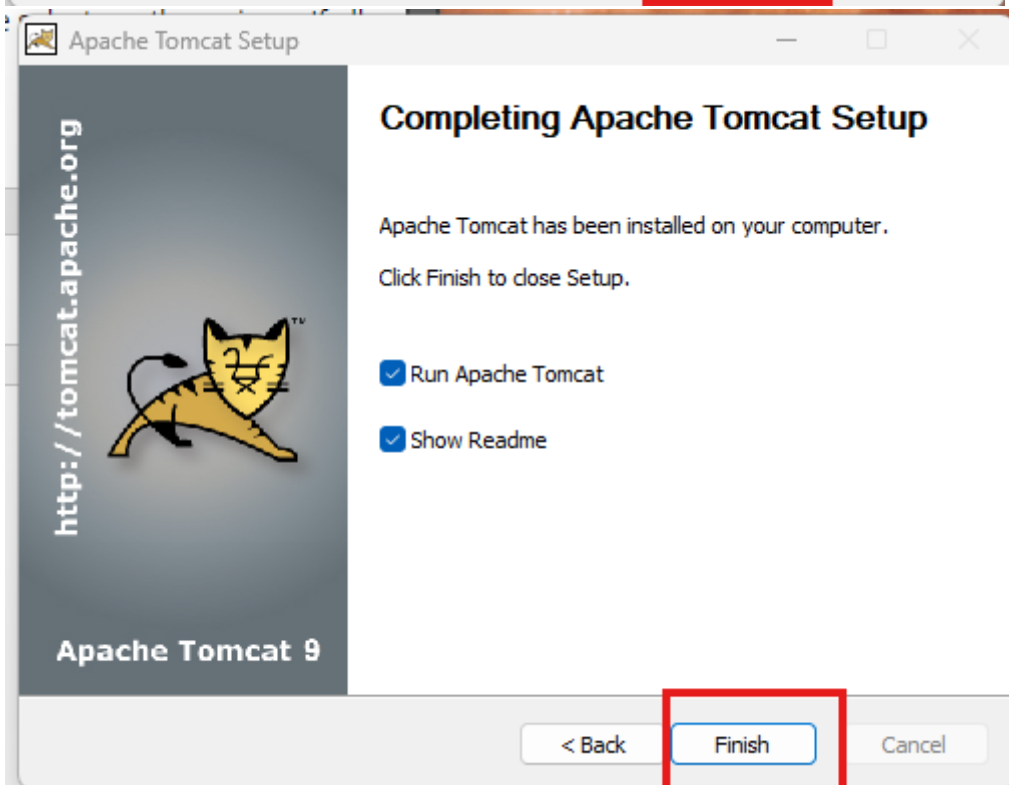
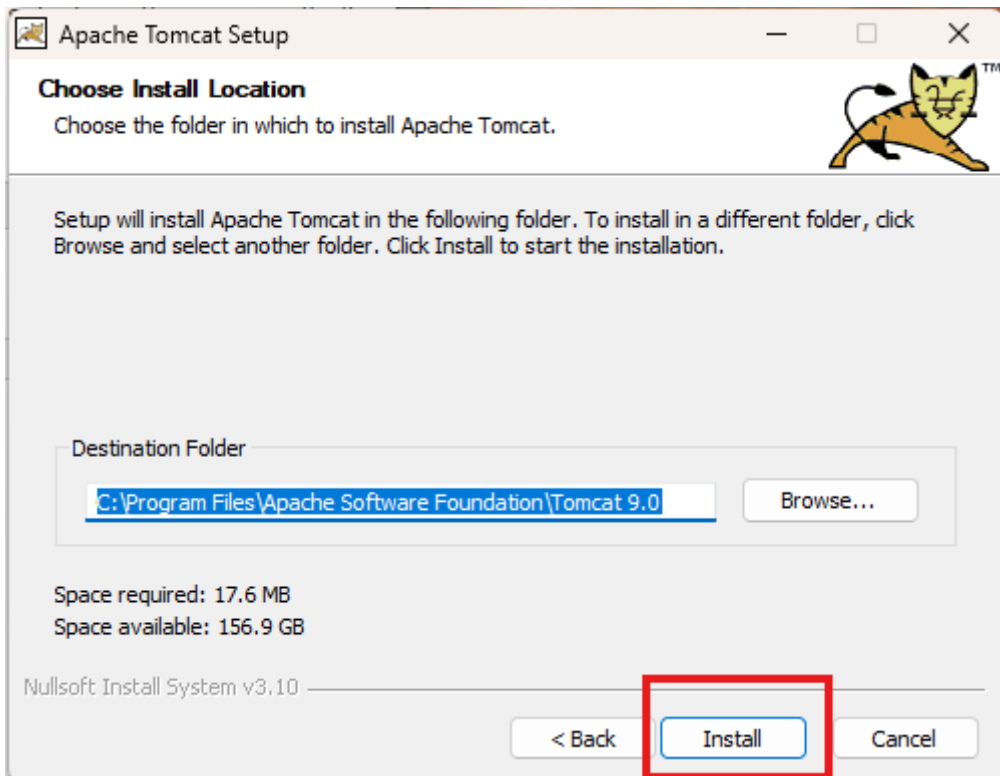
Java Virtual Machine
Java Virtual Machine path selection.

Please select the path of a Java 8 or later JRE installed on your system.

C:\Program Files\Java\jdk-23

Nullsoft Install System v3.10

< Back Next > Cancel



Página principal de Tomcat.

melenariquelme_despliegue_av Apache Tomcat® - Apache Tomcat Apache Tomcat/9.0.97


localhost:8080

Home Documentation Configuration Examples Wiki Mailing Lists Find Help

Apache Tomcat/9.0.97

APACHE SOFTWARE FOUNDATION
http://www.apache.org/

If you're seeing this, you've successfully installed Tomcat. Congratulations!



Recommended Reading:

- [Security Considerations How-To](#)
- [Manager Application How-To](#)
- [Clustering/Session Replication How-To](#)

Server Status
Manager App
Host Manager

Developer Quick Start

- [Tomcat Setup](#)
- [First Web Application](#)
- [Realms & AAA](#)
- [JDBC Data Sources](#)
- [Examples](#)
- [Servlet Specifications](#)
- [Tomcat Versions](#)

Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in:

`$CATALINA_HOME/conf/tomcat-users.xml`

In Tomcat 9.0 access to the manager application is split between different users. [Read more...](#)

[Release Notes](#)

[Changelog](#)

[Migration Guide](#)

[Security Notices](#)

Documentation

[Tomcat 9.0 Documentation](#)

[Tomcat 9.0 Configuration](#)

[Tomcat Wiki](#)

Find additional important configuration information in:

`$CATALINA_HOME/RUNNING.txt`

Developers may be interested in:

- [Tomcat 9.0 Bug Database](#)
- [Tomcat 9.0 JavaDocs](#)
- [Tomcat 9.0 Git Repository at GitHub](#)

Getting Help

[FAQ and Mailing Lists](#)

The following mailing lists are available:

[tomcat-announce](#)
Important announcements, releases, security vulnerability notifications. (Low volume).

[tomcat-users](#)
User support and discussion

[taglibs-user](#)
User support and discussion for [Apache Taglibs](#)

[tomcat-dev](#)
Development mailing list, including commit messages

Other Downloads

- [Tomcat Connectors](#)
- [Tomcat Native](#)
- [Taglibs](#)
- [Deployer](#)

Other Documentation

- [Tomcat Connectors](#)
- [mod_jk Documentation](#)
- [Tomcat Native](#)
- [Deployer](#)

Get Involved

- [Overview](#)
- [Source Repositories](#)
- [Mailing Lists](#)
- [Wiki](#)

Miscellaneous

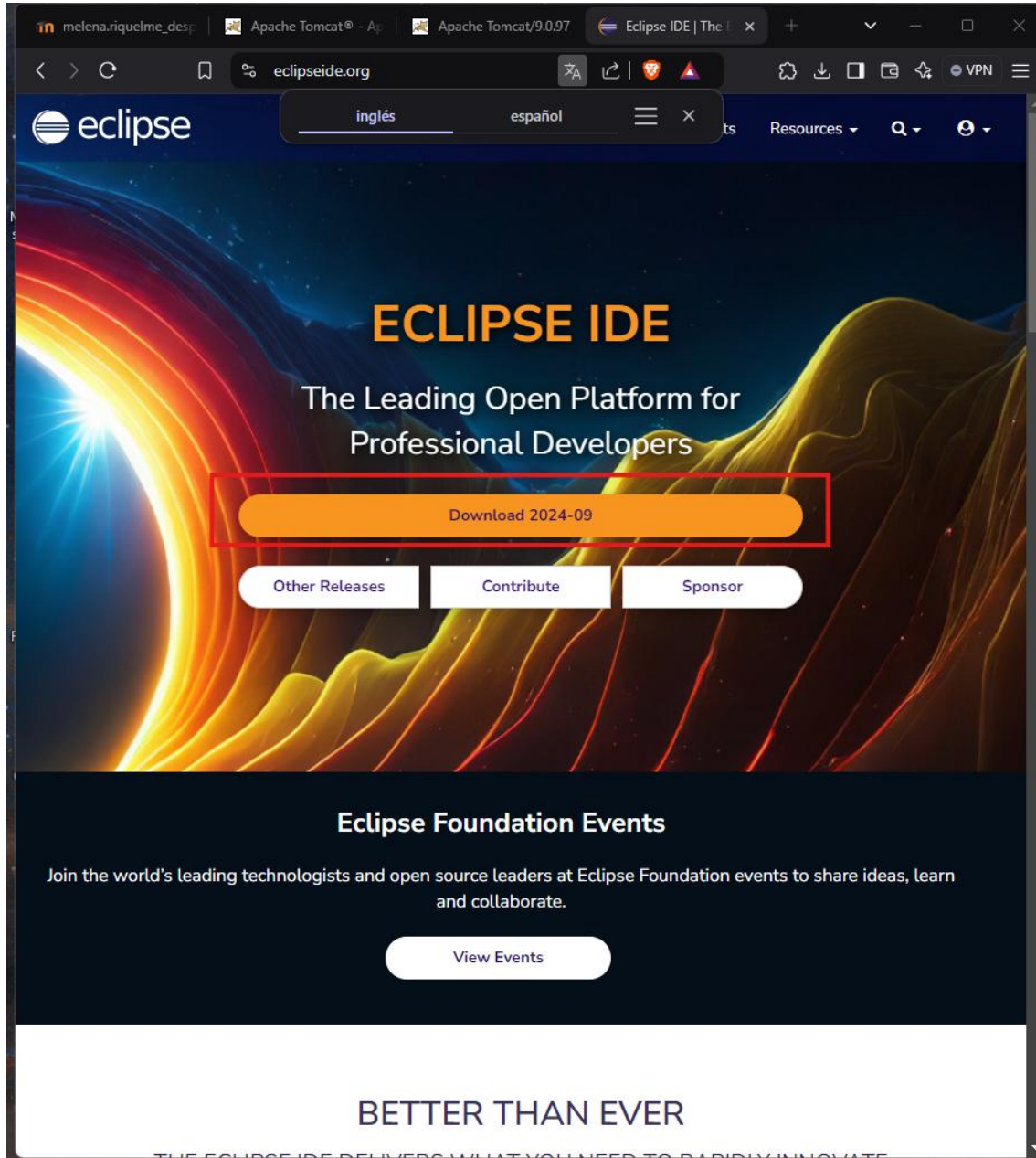
- [Contact](#)
- [Legal](#)
- [Sponsorship](#)
- [Thanks](#)

Apache Software Foundation

- [Who We Are](#)
- [Heritage](#)
- [Apache Home](#)
- [Resources](#)

Copyright ©1999-2024 Apache Software Foundation. All Rights Reserved

Instalamos eclipse para futuras prácticas, y para configurar el fichero .jsp posteriormente.



The Eclipse Installer 2024-09 R now includes a JRE for macOS, Windows and Linux.

Try the Eclipse **Installer** 2024-09 R

The easiest way to install and update your Eclipse Development Environment.

[Find out more](#)

📁 1,347,721 Installer Downloads

📁 552,363 Package Downloads and Updates

Download

macOS [x86_64](#) | [AArch64](#)

Windows [x86_64](#)

Linux [x86_64](#) | [AArch64](#)



[Projects](#) [Supporters](#) [Collaborations](#) [Resources](#) [The Foundation](#)

[Home](#) ▶ [Downloads](#) ▶ Eclipse downloads - Select a mirror

All downloads are provided under the terms and conditions of the [Eclipse Foundation Software User Agreement](#) unless otherwise specified.

📁 Download

Download from: Netherlands - Triple ([https](#))

File: [eclipse-inst-jre-win64.exe](#) [SHA-512](#)

[>> Select Another Mirror](#)



type filter text



Eclipse IDE for Java Developers

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration



Eclipse IDE for Enterprise Java and Web Developers

Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer Pages and Faces, Yaml, Markdown, Web...



Eclipse IDE for C/C++ Developers

An IDE for C/C++ developers.



Eclipse IDE for Embedded C/C++ Developers

An IDE for Embedded C/C++ developers. It includes managed cross build plug-ins (Arm and RISC-V) and debug plug-ins (SEGGER J-Link, OpenOCD, pyocd, and QEMU),...



Eclipse IDE for PHP Developers

The essential tools for any PHP developer, including PHP language support, Git client and editors for JavaScript, TypeScript, HTML, CSS and XML.

[Click here to raise an issue with...](#)



Eclipse IDE for Java Developers

[details](#)

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration.

Java 21+ VM

C:\Program Files\Java\jdk-23



Installation Folder

C:\Users\Alvaro\eclipse\java-2024-09\



create start menu entry



create desktop shortcut



INSTALL

◀ BACK

Eclipse Foundation Software User Agreement

Applicable licenses will be discovered and prompted later in the installation process.

Avoid such interruptions by accepting the licenses that govern Eclipse content now.

shall be responsible for ensuring the applicable license agreements relating to the Installable Software to be presented to, and accepted by, the users of the Provisioning Technology in accordance with the Specification. By using Provisioning Technology in such a manner and making it available in accordance with the Specification, you further acknowledge your agreement to, and the acquisition of all necessary rights to permit the following:

1. A series of actions may occur ("Provisioning Process") in which a user may execute the Provisioning Technology on a machine ("Target Machine") with the intent of installing, extending or updating the functionality of an Eclipse-based product.
2. During the Provisioning Process, the Provisioning Technology may cause third party Installable Software or a portion thereof to be accessed and copied to the Target Machine.
3. Pursuant to the Specification, you will provide to the user the terms and conditions that govern the use of the Installable Software ("Installable Software Agreement") and such Installable Software Agreement shall be accessed from the Target Machine in accordance with the Specification. Such Installable Software Agreement must inform the user of the terms and conditions that govern the Installable Software and must solicit acceptance by the end user in the manner prescribed in such Installable Software Agreement. Upon such indication of agreement by the user, the provisioning Technology will complete installation of the Installable Software.

Cryptography

Content may contain encryption software. The country in which you are currently may have restrictions on the import, possession, and use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check the country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted.

Java and all Java-based trademarks are trademarks of Oracle Corporation in the United States, other countries, or both.

Accept Now

Decide Later



Eclipse IDE for Java Developers

[details](#)

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration.

Java 21+ VM

C:\Program Files\Java\jdk-23



Installation Folder

C:\Users\Alvaro\eclipse\java-2024-09



create start menu entry




create desktop shortcut





INSTALLING


✕ Cancel Installation

⏪ BACK

by Oomph

★ SPONSOR






Eclipse IDE for Java Developers

[details](#)

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration.


Java 21+ VM

C:\Program Files\Java\jdk-23



Installation Folder

C:\Users\Alvaro\eclipse\java-2024-09



☒ create start menu entry

☒ create desktop shortcut


▶ LAUNCH




show readme file

open in system explorer

keep installer

[← BACK](#)


Eclipse IDE Launcher



Select a directory as workspace

Eclipse IDE uses the workspace directory to store its preferences and development artifacts.

C:\Users\Alvaro\eclipse-workspace



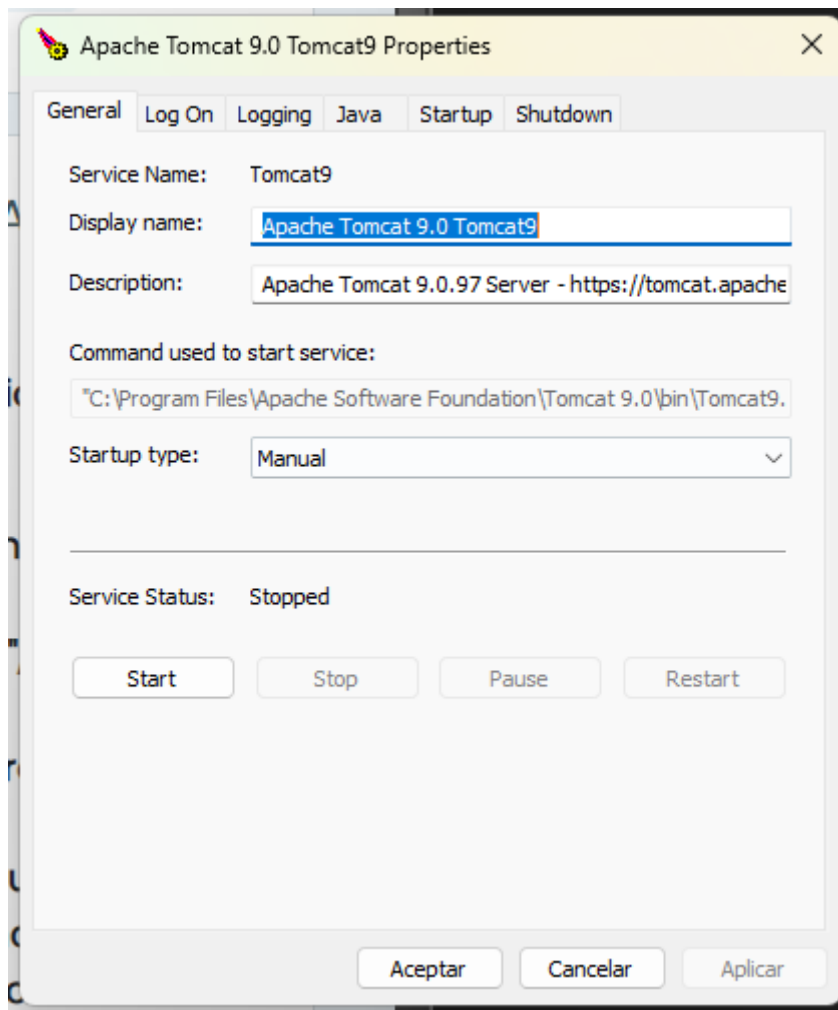
Browse...

☐ Use this as the default and do not ask again

Launch

Cancel

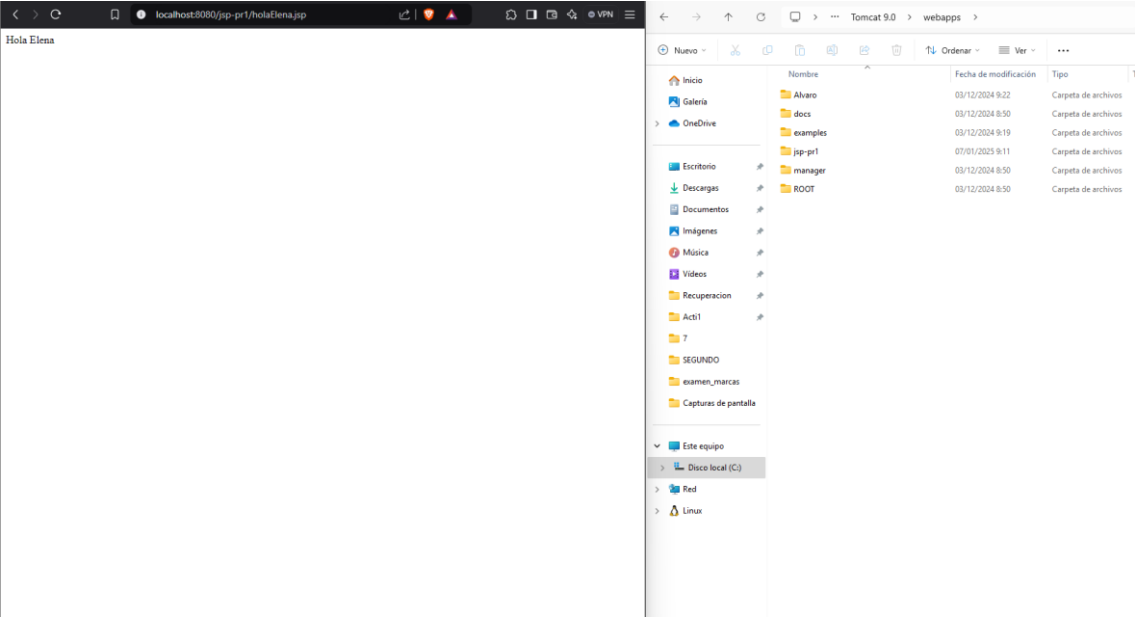
Iniciamos Tomcat con START. (Año 2025).



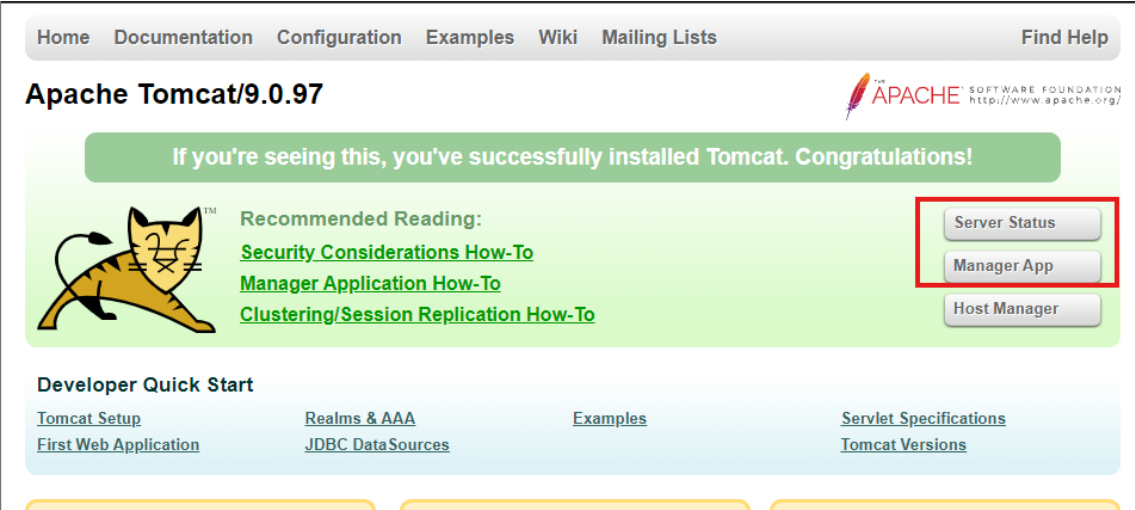
Configuramos el fichero con extensión jsp.


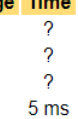
```
holaElena.jsp X
C: > Program Files > Apache Software Foundation > Tomcat 9.0 > webapps > jsp-pr1 > holaElena.jsp > ?
1  <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
2  <!DOCTYPE html>
3  <html>
4  <head>
5      <meta charset="UTF-8">
6      <title>Hola Mundo JSP</title>
7  </head>
8  <body>
9      <% out.println("Hola Elena"); %>
10 </body>
11 </html>
```

Mostramos el fichero, creado dentro de la carpeta jsp-pr1 que hemos creado anteriormente.







Accedemos a Server Status y Manager App.



localhost:8080/manager/status

Estado de Servidor

Gestor

[Listar Aplicaciones](#)
[Ayuda HTML de Gestor](#)
[Ayuda de Gestor](#)
[Estado Completo de Servidor](#)

Información de Servidor

Versión de Tomcat	Versión JVM	Vendedor JVM	Nombre del SO	Versión de SO	Arquitectura de SO	NombreDeMáquina	Dirección IP
Apache Tomcat/9.0.97	23.0.1+11-39	Oracle Corporation	Windows 11	10.0	amd64	DESKTOP-3GJG004	10.75.138.136

JVM

Memoria disponible: 77.47 MiB Total Memory: 128.00 MiB Max Memory: 256.00 MiB

Pool de Memoria	Type	Initial	Total	Maximum	Used
G1 Eden Space	Heap memory	24.00 MiB	52.00 MiB	-0.00 MiB	41.00 MiB
G1 Old Gen	Heap memory	104.00 MiB	73.00 MiB	256.00 MiB	5.52 MiB (2%)
G1 Survivor Space	Heap memory	0.00 MiB	3.00 MiB	-0.00 MiB	3.00 MiB
CodeHeap 'non-nmethods'	Non-heap memory	2.43 MiB	2.43 MiB	5.56 MiB	1.42 MiB (25%)
CodeHeap 'non-profiled nmethods'	Non-heap memory	2.43 MiB	2.43 MiB	117.25 MiB	1.42 MiB (1%)
CodeHeap 'profiled nmethods'	Non-heap memory	2.43 MiB	5.75 MiB	117.18 MiB	5.70 MiB (4%)
Compressed Class Space	Non-heap memory	0.00 MiB	2.06 MiB	1024.00 MiB	1.93 MiB (0%)
Metaspace	Non-heap memory	0.00 MiB	18.43 MiB	-0.00 MiB	18.07 MiB

"http-nio-8080"

Max threads: 200 Current thread count: 10 Hilos ocupados actualmente: 1 Keep alive sockets count: 1
Max processing time: 197 ms Tiempo de procesamiento: 0.581 s Request count: 29 Error count: 4 Bytes received: 0.00 MiB Bytes sent: 0.25 MiB


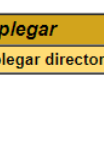
Stage	Time	Bytes Sent	Bytes Recv	Client (Forwarded)	Client (Actual)	VHost	Solicitud
R	?	?	?	?	?	?	
R	?	?	?	?	?	?	
R	?	?	?	?	?	?	
S	5 ms	0 KiB	0 KiB	0:0:0:0:0:0:1	0:0:0:0:0:0:1	localhost	GET /manager/status HTTP/1.1
R	?	?	?	?	?	?	
R	?	?	?	?	?	?	

P: Parse and prepare request S: Service F: Finishing R: Ready K: Keepalive

Copyright © 1999-2024, Apache Software Foundation

Acceso al apartado examples que incorpora Tomcat.



Gestor de Aplicaciones Web de Tomcat

Mensaje:

OK

Gestor

Listar Aplicaciones

Ayuda HTML de Gestor

Ayuda de Gestor

Estado de Servidor

Aplicaciones

Ruta	Versión	Nombre a Mostrar	Ejecutándose	Sesiones	Comandos
/	Ninguno especificado	Welcome to Tomcat	true	0	<div> <div>Arrancar</div> <div>Parar</div> <div>Recargar</div> <div>Replegar</div> </div> <div> <div>Expirar sesiones</div> <div>sin trabajar ≥ 30 minutos</div> </div>
/Alvaro	Ninguno especificado		true	0	<div> <div>Arrancar</div> <div>Parar</div> <div>Recargar</div> <div>Replegar</div> </div> <div> <div>Expirar sesiones</div> <div>sin trabajar ≥ 30 minutos</div> </div>
/docs	Ninguno especificado	Tomcat Documentation	true	0	<div> <div>Arrancar</div> <div>Parar</div> <div>Recargar</div> <div>Replegar</div> </div> <div> <div>Expirar sesiones</div> <div>sin trabajar ≥ 30 minutos</div> </div>
/examples	Ninguno especificado	Servlet and JSP Examples	false	0	<div> <div>Arrancar</div> <div>Parar</div> <div>Recargar</div> <div>Replegar</div> </div>
/jsp-pr1	Ninguno especificado		true	1	<div> <div>Arrancar</div> <div>Parar</div> <div>Recargar</div> <div>Replegar</div> </div> <div> <div>Expirar sesiones</div> <div>sin trabajar ≥ 30 minutos</div> </div>
/manager	Ninguno especificado	Tomcat Manager Application	true	1	<div> <div>Arrancar</div> <div>Parar</div> <div>Recargar</div> <div>Replegar</div> </div> <div> <div>Expirar sesiones</div> <div>sin trabajar ≥ 30 minutos</div> </div>

Desplegar

Desplegar directorio o archivo WAR localizado en servidor

Trayectoria de Contexto (opcional):

Version (for parallel deployment):

URL de archivo de Configuración XML:

URL de WAR o Directorio:

Desplegar


Archivo WAR a desplegar


Seleccione archivo WAR a cargar

Seleccionar archivo

Ningún archivo seleccionado

Estado del servidor (Server Status).





Estado de Servidor

Gestor

Listar Aplicaciones

Ayuda HTML de Gestor

Ayuda de Gestor

Estado Completo de Servidor

Información de Servidor

Versión de Tomcat	Versión JVM	Vendedor JVM	Nombre del SO	Versión de SO	Arquitectura de SO	NombreDeMáquina	Dirección IP
Apache Tomcat/9.0.97	23.0.1+11-39	Oracle Corporation	Windows 11	10.0	amd64	DESKTOP-3GJG004	10.75.138.136

JVM

Memoria disponible: 75.95 MiB Total Memory: 128.00 MiB Max Memory: 256.00 MiB

Pool de Memoria	Type	Initial	Total	Maximum	Used
G1 Eden Space	Heap memory	24.00 MiB	52.00 MiB	-0.00 MiB	43.00 MiB
G1 Old Gen	Heap memory	104.00 MiB	73.00 MiB	256.00 MiB	5.52 MiB (2%)
G1 Survivor Space	Heap memory	0.00 MiB	3.00 MiB	-0.00 MiB	3.00 MiB
CodeHeap 'non-nmethods'	Non-heap memory	2.43 MiB	2.43 MiB	5.56 MiB	1.43 MiB (25%)
CodeHeap 'non-profiled nmethods'	Non-heap memory	2.43 MiB	2.43 MiB	117.25 MiB	1.49 MiB (1%)
CodeHeap 'profiled nmethods'	Non-heap memory	2.43 MiB	6.12 MiB	117.18 MiB	6.07 MiB (5%)
Compressed Class Space	Non-heap memory	0.00 MiB	2.12 MiB	1024.00 MiB	1.95 MiB (0%)
Metaspace	Non-heap memory	0.00 MiB	18.75 MiB	-0.00 MiB	18.39 MiB

"http-nio-8080"

Max threads: 200 Current thread count: 10 Hilos ocupados actualmente: 1 Keep alive sockets count: 1
Max processing time: 197 ms Tiempo de procesamiento: 0.655 s Request count: 37 Error count: 8 Bytes received: 0.00 MiB Bytes sent: 0.28 MiB

Stage	Time	Bytes Sent	Bytes Recv	Client (Forwarded)	Client (Actual)	VHost
R	?	?	?	?	?	?
R	?	?	?	?	?	?
R	?	?	?	?	?	?
S	9 ms	0 KiB	0 KiB	0:0:0:0:0:0:1	0:0:0:0:0:0:1	localhost GET /manager/status.jsessionid=D58F40CF502A6DB2576AA2A6
R	?	?	?	?	?	?
R	?	?	?	?	?	?

P: Parse and prepare request S: Service F: Finishing R: Ready K: Keepalive