

Martín Estévez Aneiros

1. Funcionamiento de Tomcat en Windows con XAMPP

Se te facilita una máquina Windows, que ya viene con un Xampp operativo. Se te pedirá lo siguiente.

1.1. Arranque y configuración inicial

Configura para que arranque, y se pueda acceder a su página principal

Instalar la extensión *Community Server Connectors*

The screenshot shows the Visual Studio Code interface. On the left, the 'EXTENSIONS: MARKETPLACE' sidebar displays a list of extensions. The 'Community Server Connectors' extension by Red Hat is highlighted at the top. The main panel shows the details for this extension, including its description, version (v0.26.20), and download count (1.6M). Below the extension details, the 'Runtime Server Protocol - Community Extension' section is visible. At the bottom, the 'OUTPUT' window shows the logs of the Tomcat startup process, indicating that the server has started successfully.

Community Server Connectors (Red Hat) | 535,920 | 4.5 (8)

Connects vscode with open source community-driven servers and runtimes.

Disable | Uninstall | Auto Update

Runtime Server Protocol - Community Extension

VS MARKETPLACE | v0.26.20 | DOWNLOADS | 1.6M

CHAT | ON GITTER | BUILD | FAILING | LICENSE | EPL V2.0

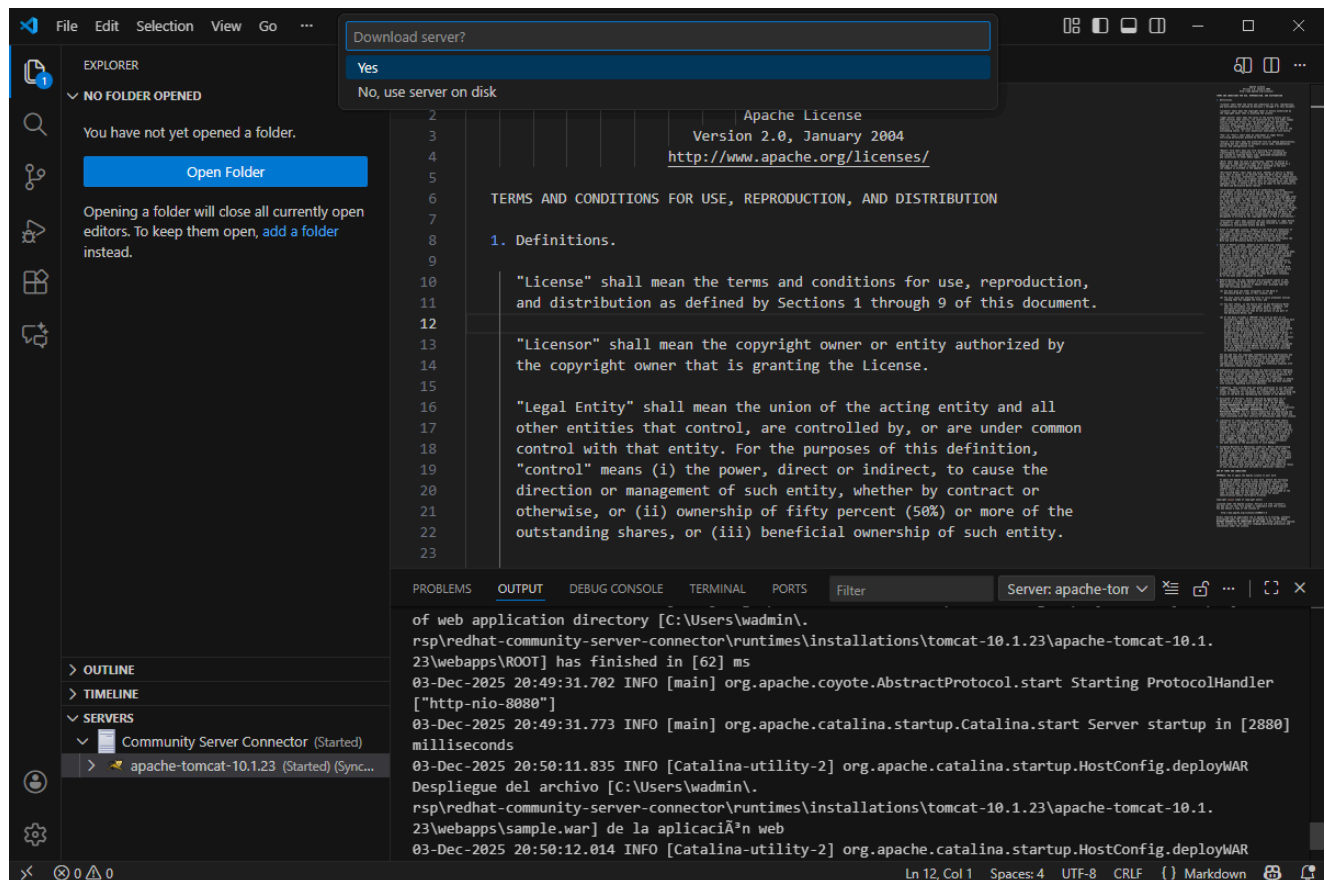
Summary

PROBLEMS | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS | Filter

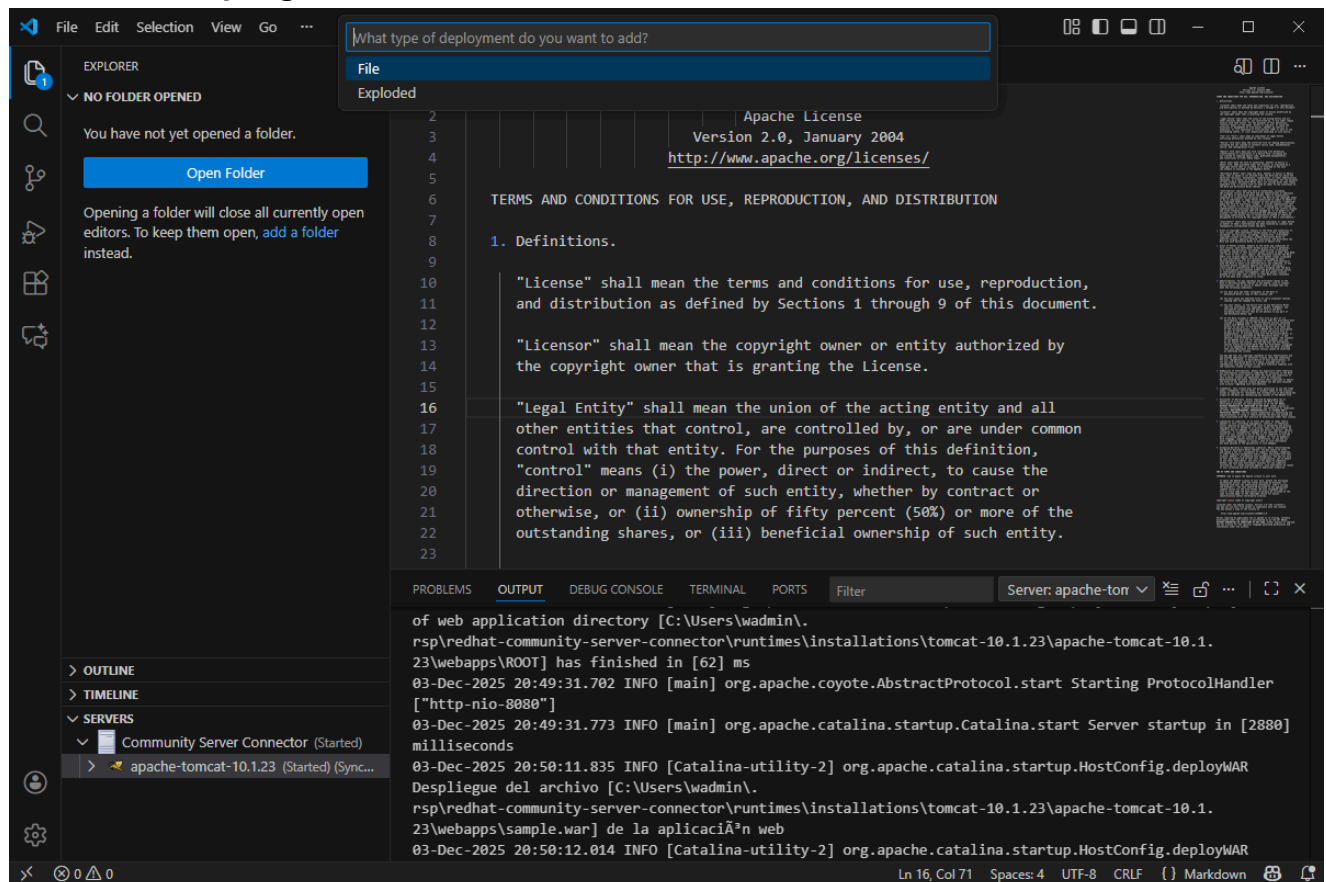
Server: apache-tomcat-10.1.23

```
of web application directory [C:\Users\wadmin\
rsp\redhat-community-server-connector\runtimes\installations\tomcat-10.1.23\apache-tomcat-10.1.
23\webapps\ROOT] has finished in [62] ms
03-Dec-2025 20:49:31.702 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler
["http-nio-8080"]
03-Dec-2025 20:49:31.773 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [2880]
milliseconds
03-Dec-2025 20:50:11.835 INFO [Catalina-utility-2] org.apache.catalina.startup.HostConfig.deployWAR
Despliegue del archivo [C:\Users\wadmin\
rsp\redhat-community-server-connector\runtimes\installations\tomcat-10.1.23\apache-tomcat-10.1.
23\webapps\sample.war] de la aplicaciÃ³n web
03-Dec-2025 20:50:12.014 INFO [Catalina-utility-2] org.apache.catalina.startup.HostConfig.deployWAR
```

Crear un nuevo servidor



Añadir un despliegue



Mostrar en el servidor

The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project with a folder named 'sample'. The main editor area displays the 'Apache License' file, which includes the text: 'Version 2.0, January 2004', 'http://www.apache.org/licenses/', and 'TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION'. The Output panel at the bottom shows the logs for the 'apache-tomcat-10.1.23' server, indicating that the application has been deployed successfully. The logs include the following information:

```
of web application directory [C:\Users\wadmin\
rsp\redhat-community-server-connector\runtimes\installations\tomcat-10.1.23\apache-tomcat-10.1.
23\webapps\ROOT] has finished in [62] ms
03-Dec-2025 20:49:31.702 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler
["http-nio-8080"]
03-Dec-2025 20:49:31.773 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [2880]
milliseconds
03-Dec-2025 20:50:11.835 INFO [Catalina-utility-2] org.apache.catalina.startup.HostConfig.deployWAR
Despliegue del archivo [C:\Users\wadmin\
rsp\redhat-community-server-connector\runtimes\installations\tomcat-10.1.23\apache-tomcat-10.1.
23\webapps\sample.war] de la aplicaciÃ³n web
03-Dec-2025 20:50:12.014 INFO [Catalina-utility-2] org.apache.catalina.startup.HostConfig.deployWAR
```

The status bar at the bottom indicates the current position in the file: Ln 14, Col 56, Spaces: 4, UTF-8, CRLF, and Markdown.

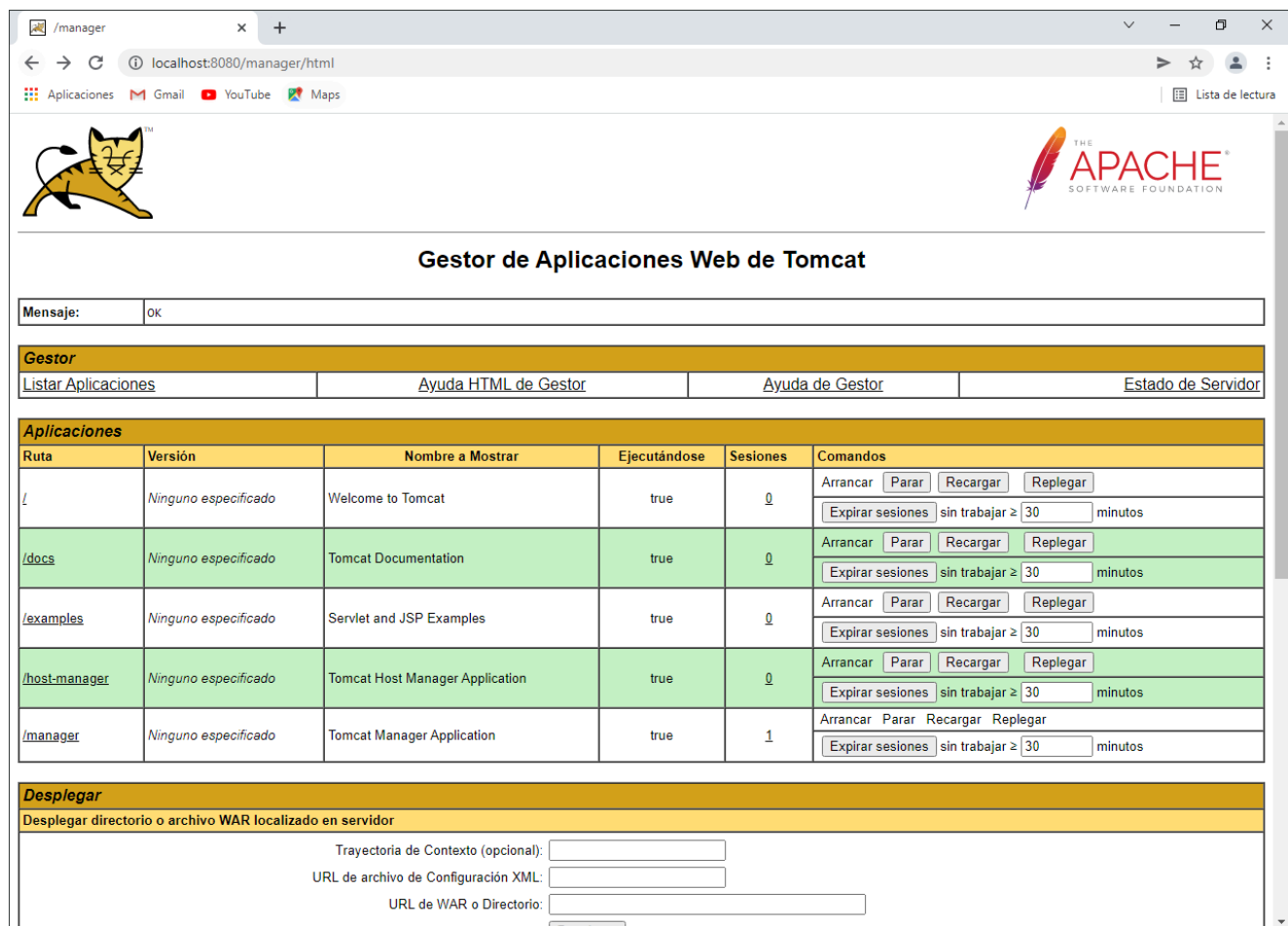
1.2 Acceso a opciones de gestión y administración

Realiza la configuración para que pueda acceder a server status, Manager App y Host Manager

Modificar el fichero tomcat-users.xml

Añadir las siguientes líneas

```
<role rolename="admin-gui"/>
<role rolename="manage-gui"/>
<role rolename="manager-script"/>
<role rolename="manager-jmx"/>
<role rolename="manager-status"/>
<user username="martinea" password="abc123." roles="admin-gui,manager-
gui,manager-script,manager-jmx,manager-status"/>
```





/manager

localhost:8080/manager/html

Aplicaciones Gmail YouTube Maps

Lista de lectura



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	Arrancar Parar Recargar Replegar Expirar sesiones sin trabajar ≥ 30 minutos
/docs	Ninguno especificado	Tomcat Documentation	true	0	Arrancar Parar Recargar Replegar Expirar sesiones sin trabajar ≥ 30 minutos
/examples	Ninguno especificado	Servlet and JSP Examples	true	0	Arrancar Parar Recargar Replegar Expirar sesiones sin trabajar ≥ 30 minutos
/host-manager	Ninguno especificado	Tomcat Host Manager Application	true	0	Arrancar Parar Recargar Replegar Expirar sesiones sin trabajar ≥ 30 minutos
/manager	Ninguno especificado	Tomcat Manager Application	true	1	Arrancar Parar Recargar Replegar Expirar sesiones sin trabajar ≥ 30 minutos

Desplegar

Desplegar directorio o archivo WAR localizado en servidor

Trayectoria de Contexto (opcional):

URL de archivo de Configuración XML:



URL de WAR o Directorio:

/host-manager

localhost:8080/host-manager/html

AplicacionesGmailYouTubeMaps

Lista de lectura



Gestor de Máquina Virtual de Tomcat

Mensaje:OK

Gestor de Máquina

[Lista de Máquinas Virtuales](#)[Ayuda de Gestor de Máquina HTML \(¡En breve!\)](#)[Ayuda de Gestor de Máquina](#)[Estado de Servidor](#)

Nombre de Máquina

Nombre de Máquina	Alias de Máquina	Comandos
localhost		Instalado Gestor de Máquinas - comandos desactivados

Añadir Máquina Virtual

Máquina

Nombre:

Alias:

App base:

AutoDeploy☒

DeployOnStartup☒

DeployXML☒

UnpackWARs☒

App de Gestor☒

CopyXML☐

Añadir

Configuración persistente



Save current configuration (including virtual hosts) to server.xml and per web application context.xml files

/manager

localhost:8080/manager/status

AplicacionesGmailYouTubeMaps

Lista de lectura



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/8.5.70	1.8.0_261-b12	Oracle Corporation	Windows 10	10.0	amd64	base	10.0.2.15

JVM

Memoria disponible: 88.56 MB Total Memory: 123.00 MB Max Memory: 1820.50 MB

Pool de Memoria	Type	Initial	Total	Maximum	Used
PS Eden Space	Heap memory	32.50 MB	32.50 MB	672.50 MB	22.45 MB (3%)
PS Old Gen	Heap memory	85.50 MB	85.50 MB	1365.50 MB	6.98 MB (0%)
PS Survivor Space	Heap memory	5.00 MB	5.00 MB	5.00 MB	5.00 MB (100%)
Code Cache	Non-heap memory	2.43 MB	8.00 MB	240.00 MB	6.70 MB (2%)
Compressed Class Space	Non-heap memory	0.00 MB	2.25 MB	1024.00 MB	2.06 MB (0%)
Metaspace	Non-heap memory	0.00 MB	19.25 MB	-0.00 MB	18.59 MB

"http-nio-8080"

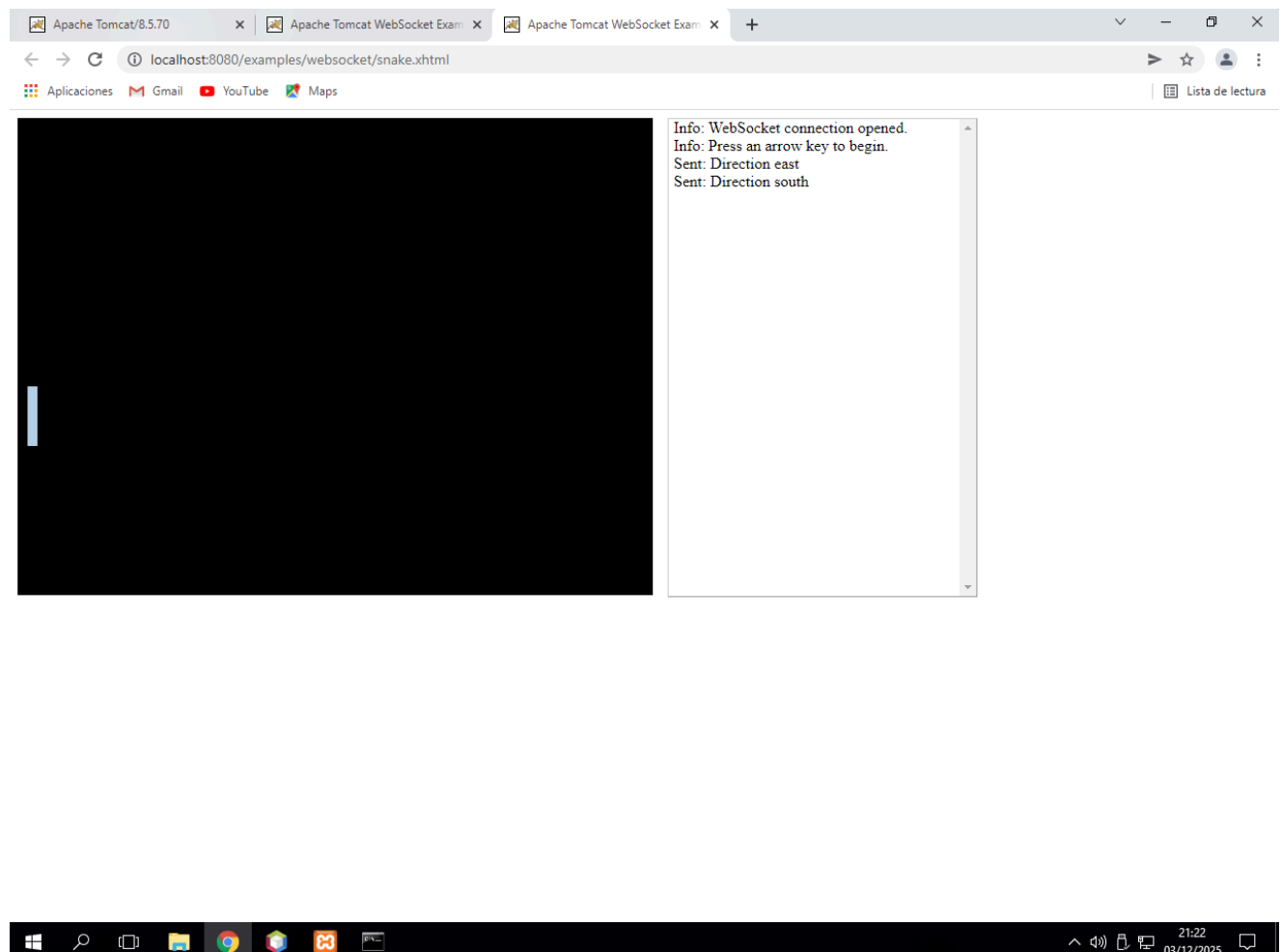
Max threads: 200 Current thread count: 10 Current threads busy: 1 Keep alive sockets count: 1
Max processing time: 102 ms Tiempo de procesamiento: 0.312 s Request count: 9 Error count: 1 Bytes received: 0.00 MB Bytes sent: 0.05 MB

Stage	Time	Bytes Sent	Bytes Recv	Client (Forwarded)	Client (Actual)	VHost	Solicitud
S	39 ms	0 KB	0 KB	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

1.3 Ejemplos

Muestra su funcionamiento con alguno de los ejemplos disponibles



Apache Tomcat/8.5.70

Apache Tomcat WebSocket Exam

Apache Tomcat WebSocket Exam

+

localhost:8080/examples/websocket/echo.xhtml

▶ ☆ 👤 ⋮

Aplicaciones Gmail YouTube Maps

Lista de lectura

Connect to service implemented using:

☐ programmatic API

☐ annotation API (basic)

☐ annotation API (stream)

Connect

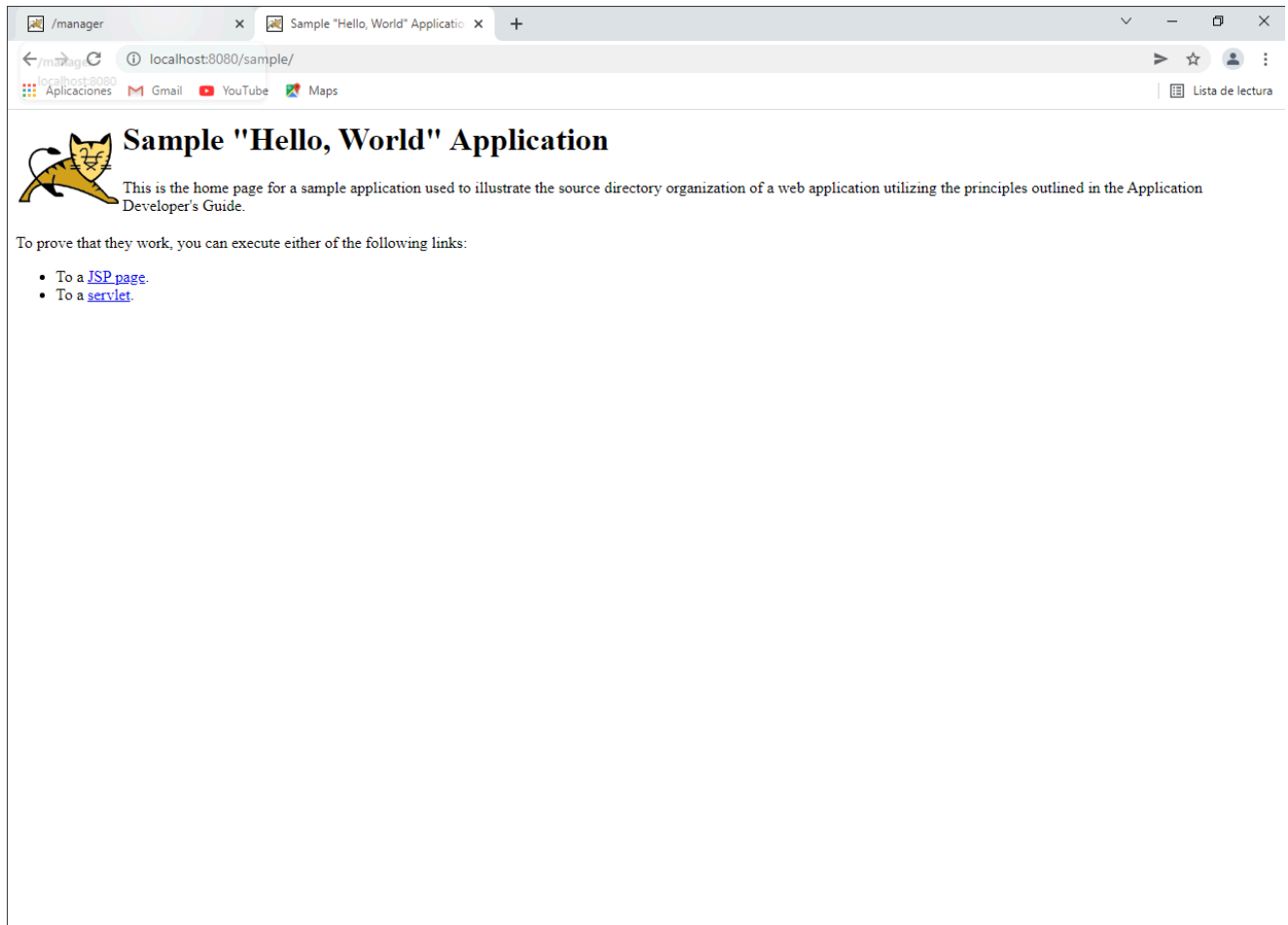
Disconnect

Here is a message!

Echo message

1.4 Despliega tu propia aplicación web

Despliega un fichero Sample.war, y comprueba que puedes acceder a a la aplicación

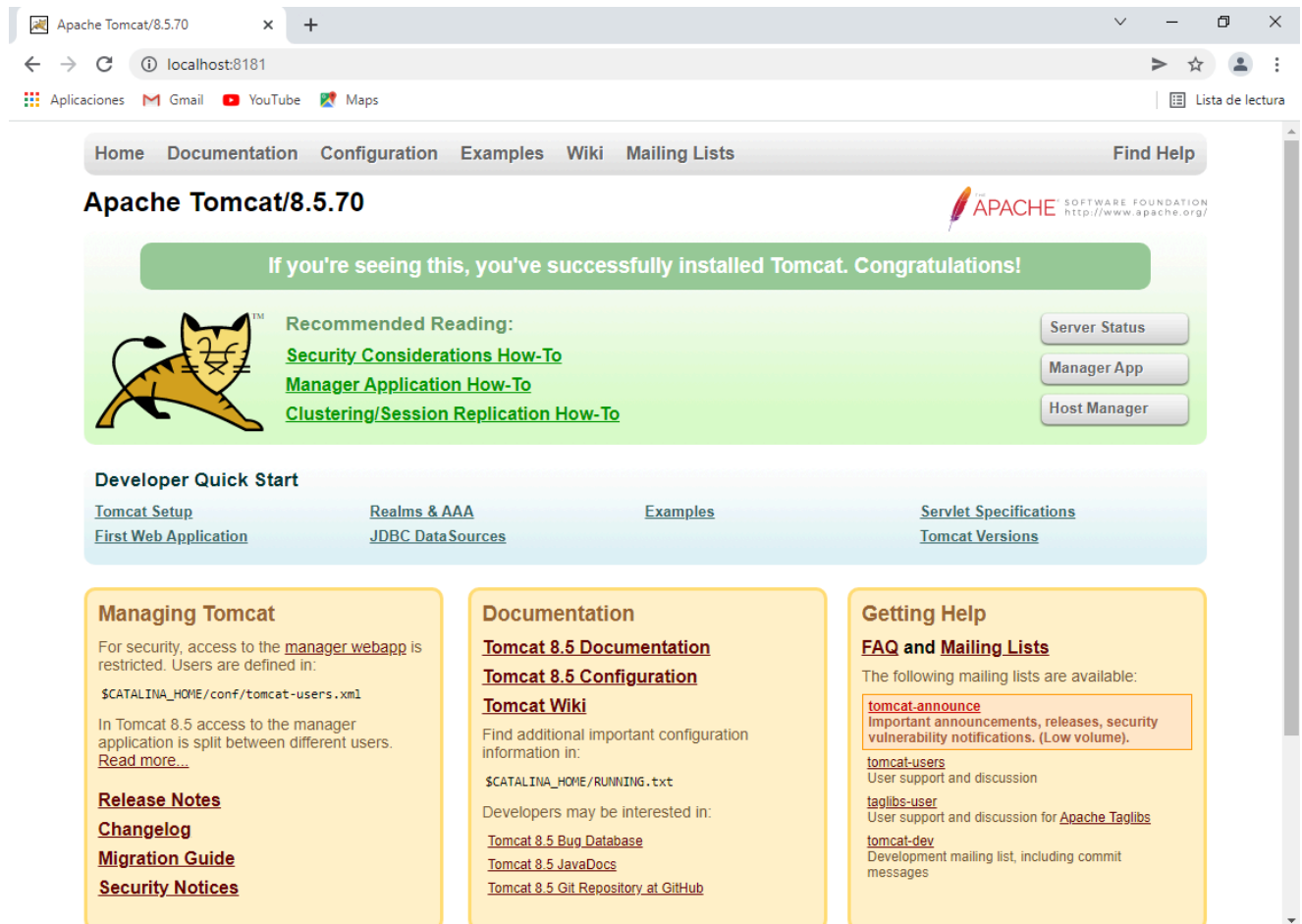


1.5 Puerto de escucha

Cambia el puerto donde escucha por defecto de Tomcat

Modificar el fichero server.xml

```
<Connector port="8181" protocol="HTTP/1.1"
  connectionTimeout="20000"
  redirectPort="8080" />
```



The screenshot shows the Apache Tomcat/8.5.70 web interface in a browser. The browser's address bar shows 'localhost:8181'. The page has a navigation bar with links: Home, Documentation, Configuration, Examples, Wiki, Mailing Lists, and a 'Find Help' button. The main heading is 'Apache Tomcat/8.5.70'. Below this is a green banner that says 'If you're seeing this, you've successfully installed Tomcat. Congratulations!'. To the left of this banner is a cartoon cat. To the right, under 'Recommended Reading:', are links for 'Security Considerations How-To', 'Manager Application How-To', and 'Clustering/Session Replication How-To'. Further right are buttons for 'Server Status', 'Manager App', and 'Host Manager'. Below the banner is a 'Developer Quick Start' section with links for 'Tomcat Setup', 'First Web Application', 'Realms & AAA', 'JDBC DataSources', 'Examples', 'Servlet Specifications', and 'Tomcat Versions'. At the bottom, there are three yellow boxes: 'Managing Tomcat' (with links for Release Notes, Changelog, Migration Guide, Security Notices), 'Documentation' (with links for Tomcat 8.5 Documentation, Tomcat 8.5 Configuration, Tomcat Wiki, and various configuration files), and 'Getting Help' (with links for FAQ and Mailing Lists, and several mailing list addresses).

2. Instalación, configuración y funcionamiento de Tomcat en Linux

2.1 Instalación

Instala y realiza configuración para que pueda acceder a server status, Manager App y Host Manager

Instalar Java

```
sudo apt update
sudo apt install openjdk-21-jdk
```

Descargar Tomcat y añadir usuario

```
curl -O https://dlcdn.apache.org/tomcat/tomcat-11/v11.0.4/bin/apache-tomcat-11.0.4.tar.gz
tar zxvf apache-tomcat-11.0.4.tar.gz
sudo mv apache-tomcat-11.0.4 /usr/libexec/tomcat11
sudo useradd -M -d /usr/libexec/tomcat11 tomcat
sudo chown -R tomcat:tomcat /usr/libexec/tomcat11
```

Fichero de servicio

```
sudo nano /usr/lib/systemd/system/tomcat11.service
```

```
[Unit]
Description=Apache Tomcat 11
After=network.target

[Service]
Type=oneshot
ExecStart=/usr/libexec/tomcat11/bin/startup.sh
ExecStop=/usr/libexec/tomcat11/bin/shutdown.sh
RemainAfterExit=yes
User=tomcat
Group=tomcat

[Install]
WantedBy=multi-user.target
```

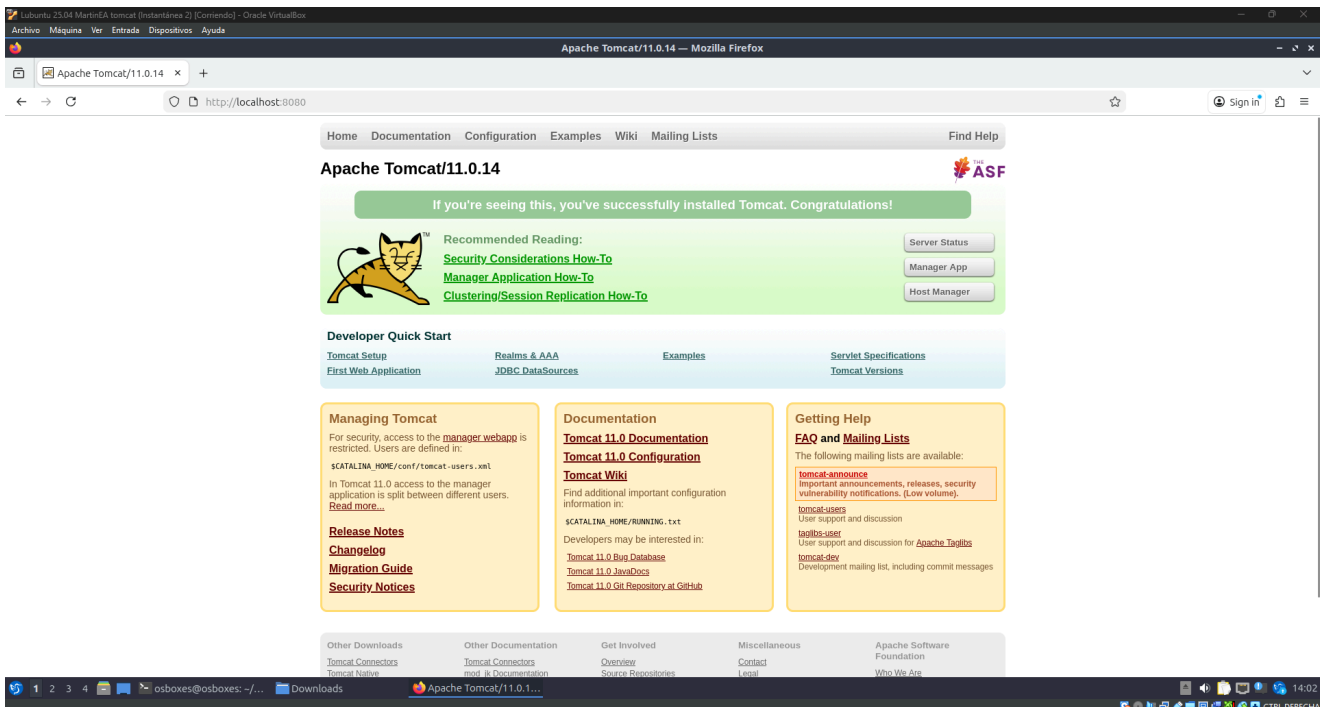
Activar el servicio

```
sudo systemctl enable --now tomcat11
sudo systemctl restart tomcat11
```



Crear cuenta

```
sudo nano /usr/libexec/tomcat11/conf/tomcat-users.xml
```

```
<role rolename="manager-gui"/>
<role rolename="admin-gui"/>
<user username="martinea" password="abc123.." roles="manager-gui,admin-
gui"/>
</tomcat-users>
```



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/8.5.70	1.8.0_261-b12	Oracle Corporation	Windows 10	10.0	amd64	base	10.0.2.15

JVM

Memoria disponible: 88.56 MB Total Memory: 123.00 MB Max Memory: 1820.50 MB

Pool de Memoria	Type	Initial	Total	Maximum	Used
PS Eden Space	Heap memory	32.50 MB	32.50 MB	672.50 MB	22.45 MB (3%)
PS Old Gen	Heap memory	85.50 MB	85.50 MB	1365.50 MB	6.98 MB (0%)
PS Survivor Space	Heap memory	5.00 MB	5.00 MB	5.00 MB	5.00 MB (100%)
Code Cache	Non-heap memory	2.43 MB	8.00 MB	240.00 MB	6.70 MB (2%)
Compressed Class Space	Non-heap memory	0.00 MB	2.25 MB	1024.00 MB	2.06 MB (0%)
Metaspace	Non-heap memory	0.00 MB	19.25 MB	-0.00 MB	18.59 MB



"http-nio-8080"

Max threads: 200 Current thread count: 10 Current threads busy: 1 Keep alive sockets count: 1
Max processing time: 102 ms Tiempo de procesamiento: 0.312 s Request count: 9 Error count: 1 Bytes received: 0.00 MB Bytes sent: 0.05 MB

Stage	Time	Bytes Sent	Bytes Recv	Client (Forwarded)	Client (Actual)	VHost	Solicitud
S	39 ms	0 KB	0 KB	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

Manager App



Tomcat Web Application Manager

Message: OK

Manager
[List Applications](#) [HTML Manager Help](#) [Manager Help](#) [Server Status](#)

Applications

Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes

Deploy

Deploy directory or WAR file located on server

Context Path:

Host Manager



Ubuntu 22.04 LTS: Apache Tomcat (Instancia 2) [Corriendo] - Oracle VM VirtualBox

ArchivoMáquinaVerEntradaDispositivosAyuda

/host-manager — Mozilla Firefox

Apache Tomcat/11.0.14 /host-manager

← → ↻ http://localhost:8080/host-manager/html Sign in



Tomcat Virtual Host Manager

Message: OK

Host Manager

[List Virtual Hosts](#)[HTML Host Manager Help](#)[Host Manager Help](#)[Server Status](#)

Host name

Host name	Host aliases	Commands
localhost		Host Manager installed - commands disabled

Add Virtual Host

Host

Name:

Aliases:

App base:

AutoDeploy ☒

DeployOnStartup ☒

DeployXML ☒

UnpackWARs ☒

Manager App ☒

CopyXML ☐

Add

Persist configuration

1 2 3 4 osboxes@osboxes: ~/... Downloads /host-manager — Moz... 14:08

2.2. Despliegue de aplicación web

Despliega un fichero Sample.war, y comprueba que puedes acceder a la aplicación

Deploy directory or WAR file located on server

Context Path:

Version (for parallel deployment):

XML Configuration file path:

WAR or Directory path:

Deploy

WAR file to deploy

Select WAR file to upload sample.war

Deploy

Configuration

Re-read TLS configuration files

TLS host name (optional)

Re-read

Diagnostics

Check to see if a web application has caused a memory leak on stop, reload or undeploy

Find leaks This diagnostic check will trigger a full garbage collection. Use it with extreme caution on production systems.

TLS connector configuration diagnostics

Ciphers List the configured TLS virtual hosts and the ciphers for each.

Certificates List the configured TLS virtual hosts and the certificate chain for each.

Trusted Certificates List the configured TLS virtual hosts and the trusted certificates for each.

Server Information

Tomcat Version	JVM Version	JVM Vendor	OS Name	OS Version	OS Architecture	Hostname	IP Address
Apache Tomcat/11.0.14	21.0.9+10-Ubuntu-125.04	Ubuntu	Linux	6.14.0-15-generic	amd64	osboxes	127.0.1.1

Sample "Hello, World" Application

This is the home page for a sample application used to illustrate the source directory organization of a web application utilizing the principles outlined in the Application Developer's Guide.

To prove that they work, you can execute either of the following links:

- To a [JSP page](#).
- To a [servlet](#).

3. Securitización

Configura para que el acceso sea seguro mediante certificados SSL, accediendo por HTTPS

Creación del keystore

```
sudo $JAVA_HOME/bin/keytool -genkey -alias tomcat -keyalg RSA -keysize 2048 -validity 365 -keystore /usr/libexec/tomcat11/conf/keystore.jks -storepass abc123..
```

```
osboxes@osboxes:~$ sudo $JAVA_HOME/bin/keytool -genkey -alias tomcat -keyalg RSA -keysize 2048 -validity 365 -keystore /usr/libexec/tomcat11/conf/keystore.jks -storepass abc123..
Enter the distinguished name. Provide a single dot (.) to leave a sub-component empty or press ENTER to use the default value in braces.
What is your first and last name?
[Unknown]: localhost
What is the name of your organizational unit?
[Unknown]:
What is the name of your organization?
[Unknown]:
What is the name of your City or Locality?
[Unknown]:
What is the name of your State or Province?
[Unknown]:
What is the two-letter country code for this unit?
[Unknown]: ES
Is CN=localhost, OU=Unknown, O=Unknown, L=Unknown, ST=Unknown, C=ES correct?
[no]: yes

Generating 2,048 bit RSA key pair and self-signed certificate (SHA384withRSA) with a validity of 365 days
for: CN=localhost, OU=Unknown, O=Unknown, L=Unknown, ST=Unknown, C=ES
```

```
sudo chown tomcat:tomcat /usr/libexec/tomcat11/conf/keystore.jks
```

```
sudo chmod 777 /usr/libexec/tomcat11/conf/keystore.jks
```

```
sudo nano /usr/libexec/tomcat11/conf/server.xml
```

```
<Connector port="8443" protocol="org.apache.coyote.http11.Http11NioProtocol"
maxThreads="150" SSLEnabled="true">
  <SSLHostConfig>
    <Certificate
certificateKeystoreFile="/usr/libexec/tomcat11/conf/keystore.jks"
certificateKeystorePassword="abc123.." type="RSA"/>
  </SSLHostConfig>
</Connector>
```

```
sudo systemctl restart tomcat11
```

Lubuntu 23.04 Main Menu Apache Tomcat (Instantánea 2) [Corriendo] - Oracle VM VirtualBox

ArchivoMáquinaVerEntradaDispositivosAyuda

Apache Tomcat/11.0.14 — Mozilla Firefox

Apache Tomcat/11.0.14 × +

← → ↻

🔒 localhost:8443

☆

📄


🔗 Sign in

☰

HomeDocumentationConfigurationExamplesWikiMailing Lists

Find Help

Apache Tomcat/11.0.14



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 DataSources

Examples

Servlet Specifications

Tomcat Versions

Managing Tomcat

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

```
SCATALINA_HOME/conf/tomcat-users.xml
```

In Tomcat 11.0 access to the manager application is split between different users. [Read more...](#)

[Release Notes](#)

[Changelog](#)

[Migration Guide](#)

[Security Notices](#)

Documentation

[Tomcat 11.0 Documentation](#)

[Tomcat 11.0 Configuration](#)

[Tomcat Wiki](#)

Find additional important configuration information in:

SCATALINA_HOME/RUNNING.txt

Developers may be interested in:

- [Tomcat 11.0 Bug Database](#)
- [Tomcat 11.0 JavaDocs](#)
- [Tomcat 11.0 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

[tomcat-dev](#)
User support and discussion for [Apache Tomcat](#)

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

Other Downloads

Tomcat Connectors

Tomcat Native

Other Documentation

Tomcat Connectors

mod & Documentation

Get Involved

Overview

Source Repositories

Miscellaneous

Contact

Legal

Apache Software Foundation

Who We Are

1 2 3 4

osboxes@osboxes: ~

Apache Tomcat/11.0.1...

web - Visual Studio Co...

16:10

CTRL DIRECHA

4. Integración con un IDE

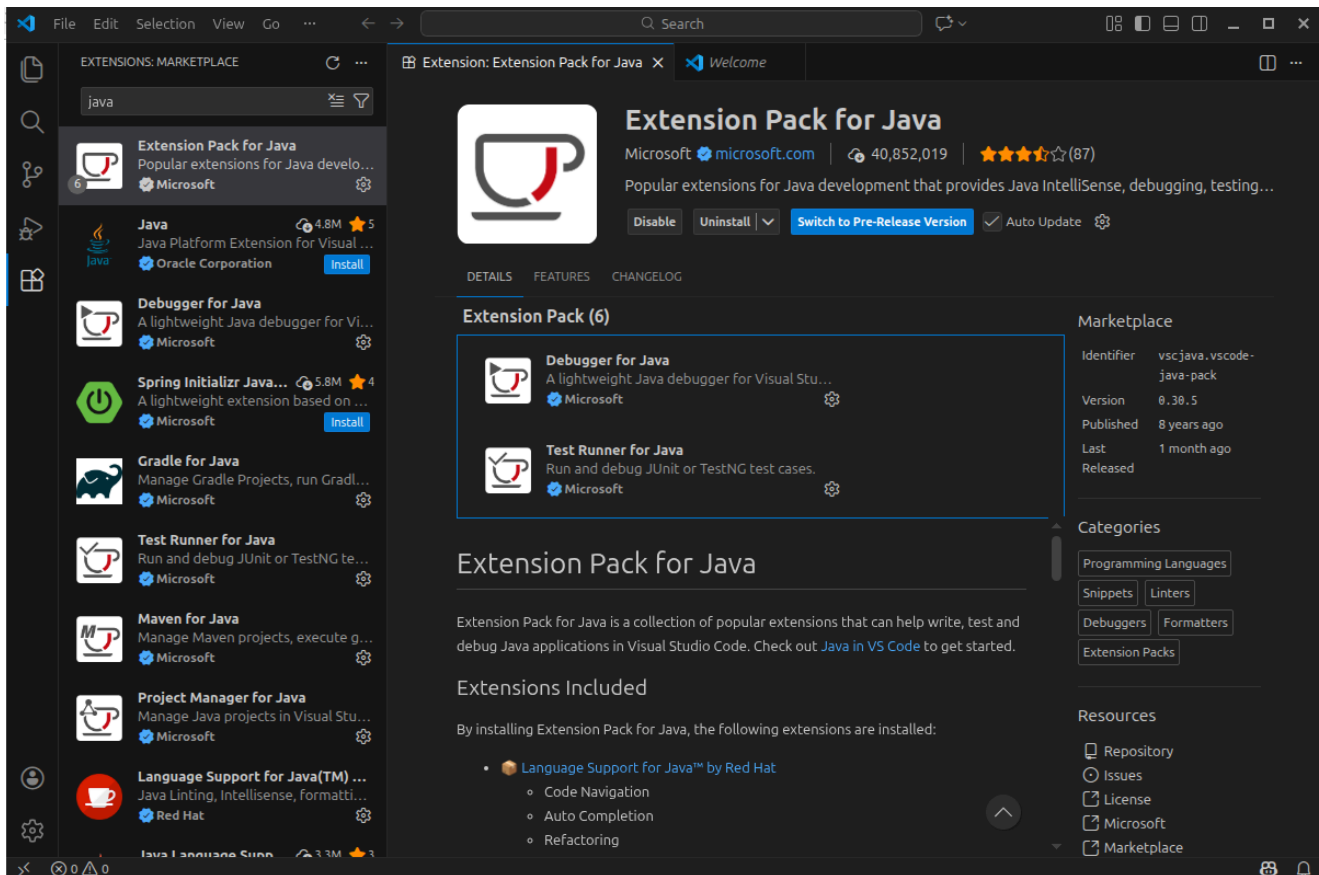
Realiza la integración de Tomcat con un IDE de tu elección (IntelliJ IDEA, Eclipse, Netbeans, Visual Studio Code,...)

Descargar Visual Studio Code

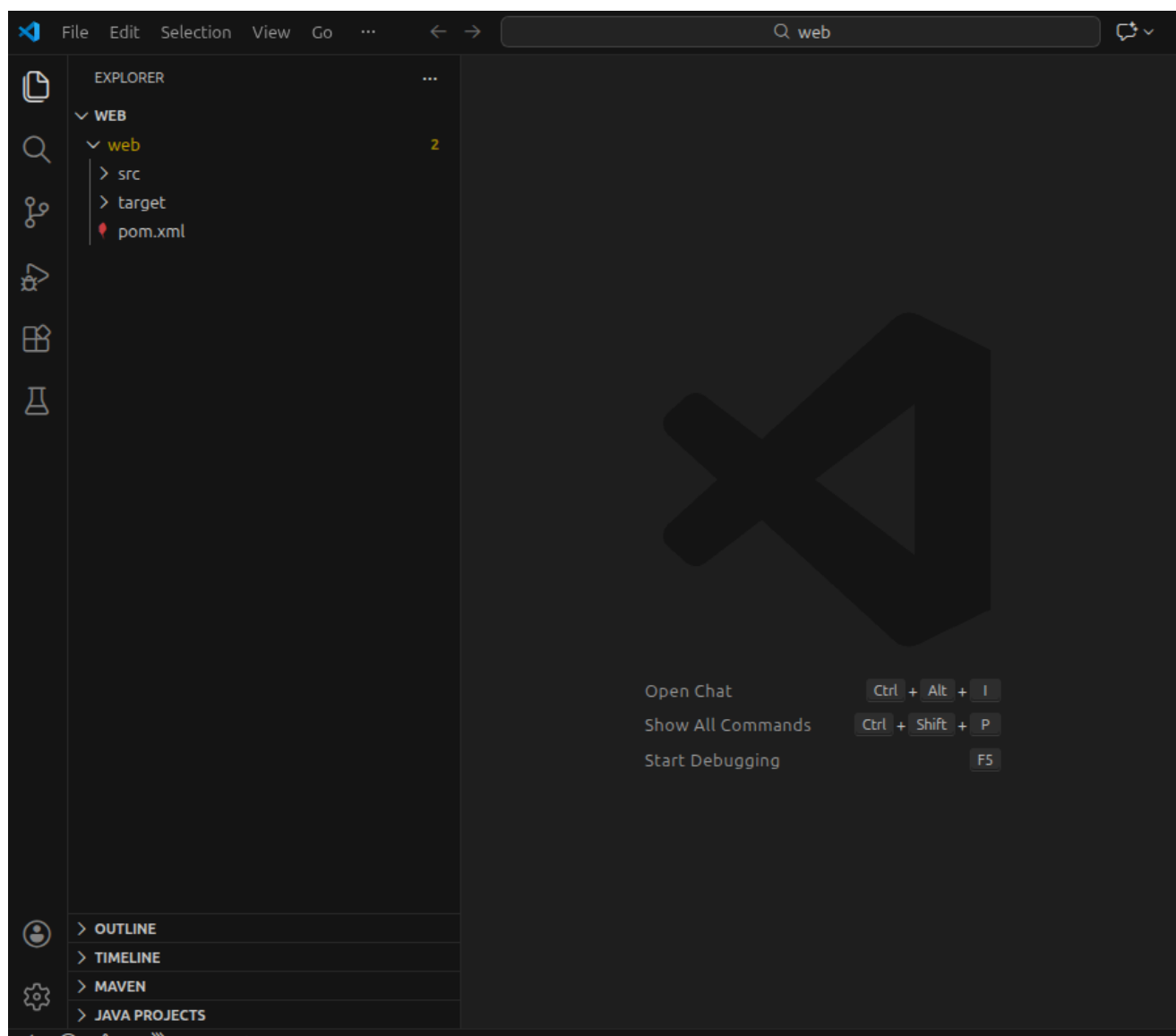
https://code.visualstudio.com/docs/setup/linux#_install-vs-code-on-linux

```
sudo apt install /home/Downloads/code_1.108.1-1768404234_amd64.deb
```

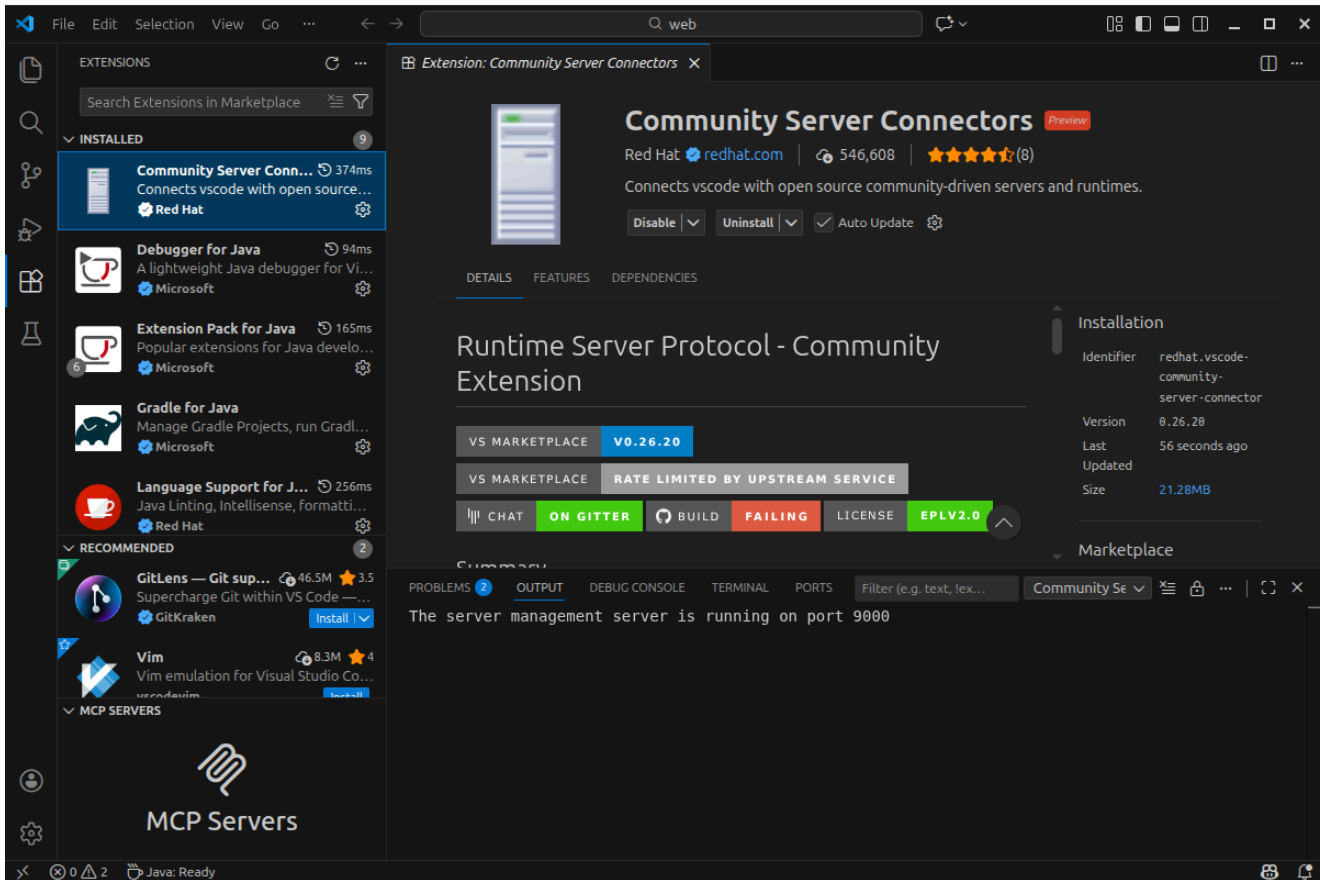
Instalar Extension Pack for Java



```
ctrl+shift+p => Maven: New project
Selecccionar arquitectura
Selecccionar versión
Nombre del proyecto
Selecccionar carpeta
```



Instalar extensión Community Server Connectors



<https://code.visualstudio.com/docs/java/java-tomcat-jetty>

Crear un servidor Tomcat 11 y aceptar licencias

Seleccionar Server Actions y mostrar en navegador

5. Cuestiones

a) ¿Qué versión de Apache Tomcat instalarás dependiendo de tu versión de Java?

La versión más reciente de Tomcat que sea compatible con la de Java.

a.1) Y para la versión 8?

La versión más adecuada es la Apache Tomcat 9.x.

a.2) Y para la versión 21?

La versión más adecuada es la Apache Tomcat 10.1.x.

b) ¿Qué otros servidores de aplicaciones hay en el mercado? ¿Cuáles son software libre y cuales productos comerciales?

Software libre:

- WildFly
- Jetty
- GlassFish

Productos comerciales:

- WebLogic Server (Oracle)
- WebSphere Application Server (IBM)
- JBoss EAP (Red Hat)

c) Una de las cuestiones a tener en cuenta es el rendimiento de las aplicaciones. ¿Sabrías indicar alguna herramienta para pruebas de carga?

- Apache JMeter
- Gatling
- Locust

d) Otra de las cuestiones a tener en cuenta es la monitorización del servidor de aplicaciones. ¿Sabrías indicarme alguna herramienta para monitorizar tomcat u otro servidor de aplicaciones? ¿Qué indicadores puede interesar monitorizar?

Herramientas de monitorización:

- JConsole (Monitorización vía JMX)
- VisualVM (Monitorización vía JMX)
- Prometheus (Métricas y dashboards)
- Zabbix (Monitorización de infraestructura)

Interesa monitorizar el rendimiento, las peticiones al servidor, el estado de los procesos...