Joaquin Pedernera Barceló

Introducción a Tomcat 10

Instalamos Tomcat

```
joaquin@IAW-UB-2:~$ sudo apt install tomcat10
[sudo] password for joaquin:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ca-certificates-java default-jre-headless java-common libapr1t64 libeclipse-jdt-core-java libtcnative-1
  libtomcat10-java openjdk-21-jre-headless tomcat10-common
Suggested packages:
  default-jre fonts-dejavu-extra fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei
  fonts-indic tomcat10-admin tomcat10-docs tomcat10-examples tomcat10-user
The following NEW packages will be installed:
  ca-certificates-java default-jre-headless java-common libapr1t64 libeclipse-jdt-core-java libtcnative-1
  libtomcat10-java openjdk-21-jre-headless tomcat10 tomcat10-common
0 upgraded, 10 newly installed, 0 to remove and 0 not upgraded.
Need to get 59.4 MB of archives.
After this operation, 219 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

```
joaquin@IAW-UB-2:~$ sudo systemctl status tomcat10.service
● tomcat10.service - Apache Tomcat 10 Web Application Server
     Loaded: loaded (/usr/lib/systemd/system/tomcat10.service; enabled; preset: enabled)
     Active: active (running) since Tue 2025-11-18 13:05:50 UTC; 1min 51s ago
       Docs: https://tomcat.apache.org/tomcat-10.0-doc/index.html
    Process: 7018 ExecStartPre=/usr/libexec/tomcat10/tomcat-update-policy.sh (code=exited, status=0/SUCCESS)
   Main PID: 7022 (java)
      Tasks: 25 (limit: 4592)
     Memory: 140.1M (peak: 145.3M)
        CPU: 5.240s
     CGroup: /system.slice/tomcat10.service
             └─7022 /usr/lib/jvm/default-java/bin/java -Djava.util.logging.config.file=/var/lib/tomcat10/conf/logging.p
```

Podemos ver que funciona

It works !

If you're seeing this page via a web browser, it means you've setup Tomcat successfully. Congratulations!

This is the default Tomcat home page. It can be found on the local filesystem at: /var/lib/tomcat10/webapps/ROOT/index.html

Tomcat veterans might be pleased to learn that this system instance of Tomcat is installed with CATALINA_HOME in /usr/share/tomcat10 and CATALINA_BASE in /var/lib/tomcat10, following the rules from /usr/share/doc/tomcat10-common/RUNNING.txt.gz.

You might consider installing the following packages, if you haven't already done so:

tomcat10-docs: This package installs a web application that allows to browse the Tomcat 10 documentation locally. Once installed, you can access it by clicking here.

tomcat10-examples: This package installs a web application that allows to access the Tomcat 10 Servlet and JSP examples. Once installed, you can access it by clicking here.
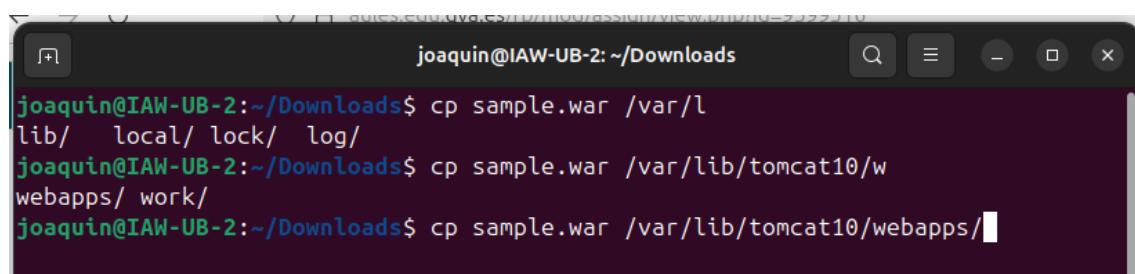
tomcat10-admin: This package installs two web applications that can help managing this Tomcat instance. Once installed, you can access the manager webapp and the host-manager webapp.

NOTE: For security reasons, using the manager webapp is restricted to users with role "manager-gui". The host-manager webapp is restricted to users with role "admin-gui". Users are defined in /etc/tomcat10/tomcat-users.xml.

Sin embargo, fue necesario cambiarle el puerto(etc/tomcat10/server.xml)

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```xml
<Connector port="8083" protocol="HTTP/1.1"
           connectionTimeout="20000"
           redirectPort="8443"
           maxParameterCount="1000"
/>
```

Ahora vamos a copiar el archivo war dentro de la ruta, para que tomcat lo despliegue automáticamente.
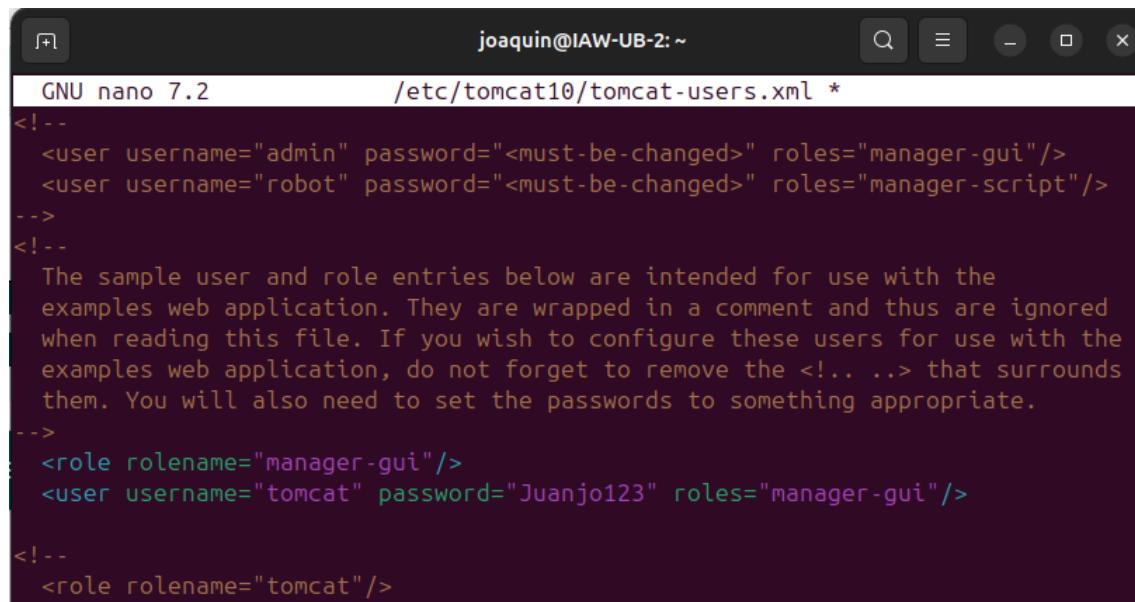
```
joaquin@IAW-UB-2:~/Downloads$ cp sample.war /var/l
lib/   local/ lock/  log/
joaquin@IAW-UB-2:~/Downloads$ cp sample.war /var/lib/tomcat10/w
webapps/ work/
joaquin@IAW-UB-2:~/Downloads$ cp sample.war /var/lib/tomcat10/webapps/
```

Ahora instalare Tomcat Manager (interfaz web de administracion)

```
joaquin@IAW-UB-2:~$ sudo apt install tomcat10-admin
```

Y modificaremos el archivo introduciendo el administrador de tomcat
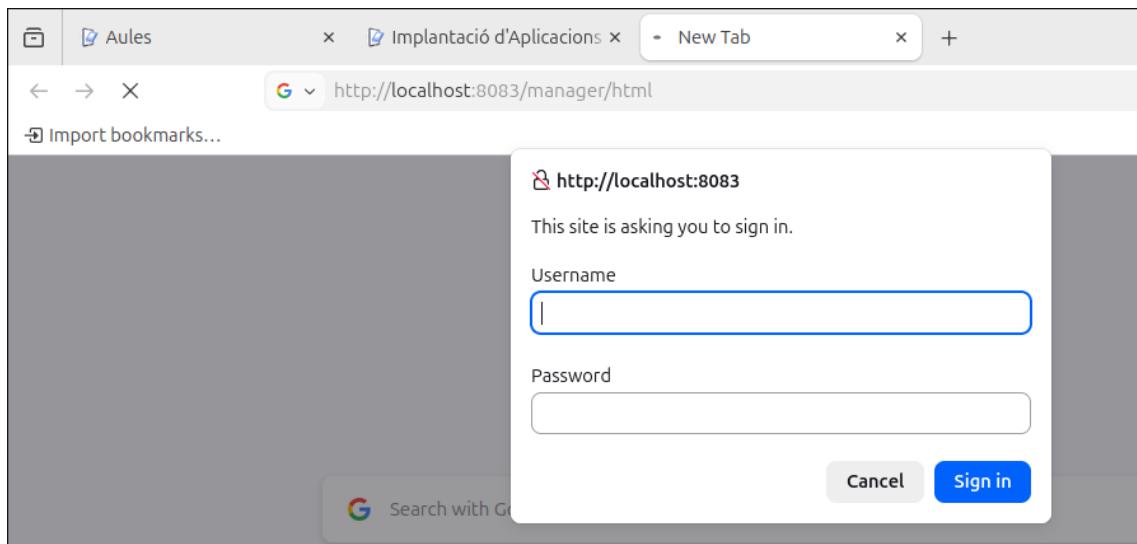
```
GNU nano 7.2                /etc/tomcat10/tomcat-users.xml *
<!--
  <user username="admin" password="<must-be-changed>" roles="manager-gui"/>
  <user username="robot" password="<must-be-changed>" roles="manager-script"/>
-->
<!--
  The sample user and role entries below are intended for use with the
  examples web application. They are wrapped in a comment and thus are ignored
  when reading this file. If you wish to configure these users for use with the
  examples web application, do not forget to remove the <!.. ..> that surrounds
  them. You will also need to set the passwords to something appropriate.
-->
  <role rolename="manager-gui"/>
  <user username="tomcat" password="Juanjo123" roles="manager-gui"/>

<!--
  <role rolename="tomcat"/>
```

Y ya me pide el usuario

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Y ya podemos entrar