

2024

TOMCAT



**Apache
Tomcat**

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1. Actualización

```
root@vps-ec7fab4b:/home/ubuntu# apt update
Get:1 http://nova.clouds.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:3 http://nova.clouds.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://nova.clouds.archive.ubuntu.com/ubuntu noble-backports InRelease
Fetched 256 kB in 1s (349 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
40 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

2. Instalación

```

topo@ecs-ec7fabbb:/home/ubuntu$ apt-cache search tomcat
centreon-plugins - Collection of Nagios plugins to monitor OS, services and network devices
libapache2-mod-jdoc - Documentation of libapache2-mod-jdoc package
libapache2-mod-jk - Documentation of 2 connector for the Tomcat Java servlet engine
libjnp-servlet-java - simple and convenient packaging framework for JNLP applications
liblogback-java - flexible logging library for Java
liblogback-java-doc - flexible logging library for Java - documentation
libnative2java-tomcat-java - Tomcat native fork for Netty
libnative2j-native-jni - Tomcat native fork for Netty (JNI library)
libspring-instrument-java - modular Java/J2EE application framework - Instrumentation
libnative2j-native-jni - simple native library using the Apache Portable Runtime
libnative2j-embedded-javacat10 - Apache Tomcat 10 - Servlet and JSP engine - embed libraries
libtomcat10-java - Apache Tomcat 10 - Servlet and JSP engine - core libraries
libtomcat4-java - Apache Tomcat 9 - Servlet and JSP engine - core libraries
libtomcat4-javadoc - Apache Tomcat 9 - Servlet and JSP engine - core libraries
tomcat10-monitoring-plugins-contrib - Plugins for nagios compatible monitoring systems
python3-ajpy - Python module to craft AJP requests
resources-agents-extra - Cluster Resource Agents
tomcat10-jakarta-ee-migration - Apache Tomcat migration tool for Jakarta EE
tomcat10 - Apache Tomcat 10 - Servlet and JSP engine
tomcat10-admin - Apache Tomcat 10 - Servlet and JSP engine -- admin web applications
tomcat10-common - Apache Tomcat 10 - Servlet and JSP engine -- common files
tomcat10-docs - Apache Tomcat 10 - Servlet and JSP engine -- documentation
tomcat10-examples - Apache Tomcat 10 - Servlet and JSP engine -- example web applications
tomcat10-user - Apache Tomcat 10 - Servlet and JSP engine -- tools to create user instances
yasat - simple static audit tool
root@ecs-ec7fabbb:/home/ubuntu$ apt install tomcat10 tomcat10-admin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  also-topology-conf alsa-ucm-conf ca-certificates-java default-jre-headless java-common libasound2
  libasound2t64 libavahi-client3 libavahi-common-data libavahi-common-java libcupst64 libdbus-1-3
  libfontconfig1 libfreetype6 libglib2.0-0 libicu72 libjpeg-turbo8 libjpeg9 libltdl7 liborc-0.6-0
  libpng16-0 libpulse0 librtmp1 libseccomp2 libssl1.1 libtinfo6 libtomcat10-java openjdk-21-jr
  tomcat10-common
Suggested packages:
  default-jre alsa-utils libasound2-plugins cups-common liblcms2-utils pscd libnss-mdns fonts-deja
  vu fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei fonts-indic tomcat
  tomcat10-examples tomcat10-user
The following NEW packages will be installed:
  also-topology-conf alsa-ucm-conf ca-certificates-java default-jre-headless java-common libasound2
  libasound2t64 libavahi-client3 libavahi-common-data libavahi-common-java libcupst64 libdbus-1-3
  libfontconfig1 libfreetype6 libglib2.0-0 libicu72 libjpeg-turbo8 libjpeg9 libltdl7 liborc-0.6-0
  libpng16-0 libpulse0 librtmp1 libseccomp2 libssl1.1 libtinfo6 libtomcat10-java openjdk-21-jr
  tomcat10 tomcat10-admin tomcat10-common
0 upgraded, 22 newly installed, 0 to remove and 48 not upgraded.
Need to get 60.9 MB of archives.
After this operation, 225 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y

```

```

Unpacking ca-certificates-java (20240411) ...
Selecting previously unselected package java-common.
Preparing to unpack .../05-java-common_0.75+exp1_all.deb ...
Unpacking java-common (0.75+exp1) ...
Selecting previously unselected package liblcm2-2:amd64.
Preparing to unpack .../06-liblcm2-2_2.2.14ub1d1_amd64.deb ...
Unpacking liblcm2-2:amd64 (2.14.2ub1d1) ...
Selecting previously unselected package libpcscite1:amd64.
Preparing to unpack .../07-libpcscite1_2.0.3.1ub1d1_amd64.deb ...
Unpacking libpcscite1:amd64 (2.0.3.1ub1d1) ...
Selecting previously unselected package openjdk-21-jre-headless:amd64.
Preparing to unpack .../08-openjdk-21-jre-headless_21.0.5+11-ubuntu1~24.04_amd64.deb ...
Unpacking openjdk-21-jre-headless:amd64 (21.0.5+11-ubuntu1~24.04) ...
Selecting previously unselected package default-jre-headless.
Preparing to unpack .../09-default-jre-headless_2:21-75exp1_amd64.deb ...
Unpacking default-jre-headless (21:21.75exp1) ...
Selecting previously unselected package libavahi-common-data:amd64.
Preparing to unpack .../10-libavahi-common-data_0.8-13ubuntu6_amd64.deb ...
Unpacking libavahi-common-data:amd64 (0.8-13ubuntu6) ...
Selecting previously unselected package libavahi-client3:amd64.
Preparing to unpack .../11-libavahi-client3_0.8-13ubuntu6_amd64.deb ...
Unpacking libavahi-client3:amd64 (0.8-13ubuntu6) ...
Selecting previously unselected package libavahi-client0:amd64.
Preparing to unpack .../12-libavahi-client0_0.8-13ubuntu6_amd64.deb ...
Unpacking libavahi-client0:amd64 (0.8-13ubuntu6) ...
Selecting previously unselected package libcupst264:amd64.
Preparing to unpack .../13-libcupst264_2.4.7-1.2ubuntu7.3_amd64.deb ...
Unpacking libcupst264:amd64 (2.4.7-1.2ubuntu7.3) ...
Selecting previously unselected package libcupst264-1:amd64.
Preparing to unpack .../14-libcupst264-1_2.4.7-1.2ubuntu7.3_amd64.deb ...
Unpacking libcupst264-1:amd64 (2.4.7-1.2ubuntu7.3) ...
Selecting previously unselected package libgraphite2-3:amd64.
Preparing to unpack .../15-libgraphite2-3_1.3.14-2ub1d1_amd64.deb ...
Unpacking libgraphite2-3:amd64 (1.3.14-2ub1d1) ...
Selecting previously unselected package libharfbuzz0b:amd64.
Preparing to unpack .../16-libharfbuzz0b_8.3.0-2ub1d2_amd64.deb ...
Unpacking libharfbuzz0b:amd64 (8.3.0-2ub1d2) ...
Selecting previously unselected package libtcmat10-java.
Preparing to unpack .../17-libtcmat10-java_10.1.16-1_all.deb ...
Unpacking libtcmat10-java (10.1.16-1) ...
Selecting previously unselected package tcmat10-common.
Preparing to unpack .../18-tcmat10-common_10.1.16-1_all.deb ...
Unpacking tcmat10-common (10.1.16-1) ...
Selecting previously unselected package tcmat10.
Preparing to unpack .../19-tcmat10_10.1.16-1_all.deb ...
Unpacking tcmat10 (10.1.16-1) ...
Selecting previously unselected package tcmat10-admin.
Preparing to unpack .../20-tcmat10-admin_10.1.16-1_all.deb ...
Unpacking tcmat10-admin (10.1.16-1) ...

```

```

Get-2: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 alsa-topology-conf all 1.2.5.1-
Get-3: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libasound2-data all 1.2.11-1buil
Get-4: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libasound2t64 amd64 1.2.11-1bu
Get-5: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 alsa-ucm-conf all 1.2.10-1ubun
Get-6: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 ca-certificates-java all 202401
Get-7: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 java-common all 0.8.15+up1 [6798
Get-8: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libjvmc2 amd64 2.74-2build1 f
Get-9: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libjvmti amd64 2.0.3-1buil
Get-10: http://nova.clouds.archive.ubuntu.com/ubuntu noble-updates/main amd64 openjdk-21-jre-head
+11: ubuntu1-24.04 [46.4 MB]
Get-12: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 default-jre-headless amd64 2.1
Get-13: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libavahi-common-data amd64 0.8
9.7.kB]
Get-14: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libavahi-common3 amd64 0.8-13u
kB]
Get-15: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libavahi-client3 amd64 0.8-13u
kB]
Get-16: http://nova.clouds.archive.ubuntu.com/ubuntu noble-updates/main amd64 libasound2t64 amd64 2.4
3 [272 kB]
Get-17: http://nova.clouds.archive.ubuntu.com/ubuntu noble/universe amd64 libclipse-jdt-core-java s
tpe4-26-2 [6438 kB]
Get-18: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libgrahite-2-3 amd64 1.3.14-2b
kB]
Get-19: http://nova.clouds.archive.ubuntu.com/ubuntu noble/main amd64 libharfbuzz0b amd64 8.3.8-2bu
Get-20: http://nova.clouds.archive.ubuntu.com/ubuntu noble/universe amd64 libtomcat1n-java all 10.1
Get-21: http://nova.clouds.archive.ubuntu.com/ubuntu noble/universe amd64 tomcat1n-common all 10.1
Get-22: http://nova.clouds.archive.ubuntu.com/ubuntu noble/universe amd64 tomcat10 all 10.1.16-137
Get-23: http://nova.clouds.archive.ubuntu.com/ubuntu noble/universe amd64 tomcat10-admin all 10.1.1
Get-24: http://nova.clouds.archive.ubuntu.com/ubuntu noble/universe amd64 libtcnative-1 amd64 1.2.15
9.kB]
Fetched 60.9 MB in 5s (11.9 MB/s)
Preparing previously unselected package alsa-topology-conf.
(Reading database ... 12702 files and directories currently installed.)
Preparing to unpack .../00-alsa-topology-conf-1.2.5.1-2_all.deb ...
Unpacking alsa-topology-conf (1.2.5.1-2) ...
Selecting previously unselected package libasound2-data.
Preparing to unpack .../01-libasound2-data-1.2.11-1build2_all.deb ...
Unpacking libasound2-data (1.2.11-1build2) ...
Selecting previously unselected package libasound2t64:amd64.
Preparing to unpack .../02-libasound2t64-1.2.11-1build2:amd64.deb ...
Unpacking libasound2t64:amd64 (1.2.11-1build2) ...
Selecting previously unselected package alsa-ucm-conf.
Preparing to unpack .../03-alsa-ucm-conf-1.2.10-1ubuntu5_all.deb ...
Unpacking alsa-ucm-conf (1.2.10-1ubuntu5) ...
Selecting previously unselected package ca-certificates-java.
Preparing to unpack .../04-ca-certificates-java-20240118_all.deb ...

```

```

Adding debian:ePKI_Root_Certification_Authority.pem
Adding debian:emSign_ECC_Root_CA_-_C3.pem
Adding debian:emSign_ECC_Root_CA_-_G3.pem
Adding debian:emSign_Root_CA_-_C1.pem
Adding debian:emSign_Root_CA_-_G1.pem
Adding debian:vTrus_ECC_Root_CA.pem
Adding debian:vTrus_Root_CA.pem
done.
Setting up default-jre-headless (2:1.21-75+exp1) ...
Setting up tomcat10-common (10.1.16-1) ...
Setting up tomcat10-admin (10.1.16-1) ...
Setting up tomcat10 (10.1.16-1) ...
Creating group 'tomcat' with GID 988.
Creating user 'tomcat' (Apache Tomcat) with UID 988 and GID 988.

Creating config file /etc/tomcat10/tomcat-users.xml with new version
Creating config file /etc/tomcat10/web.xml with new version
Creating config file /etc/tomcat10/server.xml with new version
Creating config file /etc/tomcat10/logging.properties with new version
Creating config file /etc/tomcat10/context.xml with new version
Creating config file /etc/tomcat10/catalina.properties with new version
Creating config file /etc/tomcat10/jaspic-providers.xml with new version
Creating config file /etc/logrotate.d/tomcat10 with new version

Creating config file /etc/default/tomcat10 with new version
Created symlink /etc/systemd/system/multi-user.target.wants/tomcat10.service → /usr/lib/systemd/system/tomcat10.service.
Processing triggers for rsyslog (8.2312.0-3ubuntu9) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Pending kernel upgrade!
Running kernel version:
6.8.0-41-generic
Diagnostics:
The currently running kernel version is not the expected kernel version 6.8.0-48-generic.

Restarting the system to load the new kernel will not be handled automatically, so you should consi
rebooting.

```

```

Creating config file /etc/default/tomcat10 with new version
Created symlink /etc/systemd/system/multi-user.target.wants/tomcat10.service → /usr/lib/systemd/sy
service.
Processing triggers for rsyslog (8.2312.0-3ubuntu9) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Pending kernel upgrade!
Running kernel version:
    6.8.0-41-generic
Diagnostics:
    The currently running kernel version is not the expected kernel version 6.8.0-48-generic.

Restarting the system to load the new kernel will not be handled automatically, so you should consi
rebooting.

Restarting services...

Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

No user sessions are running outdated binaries.

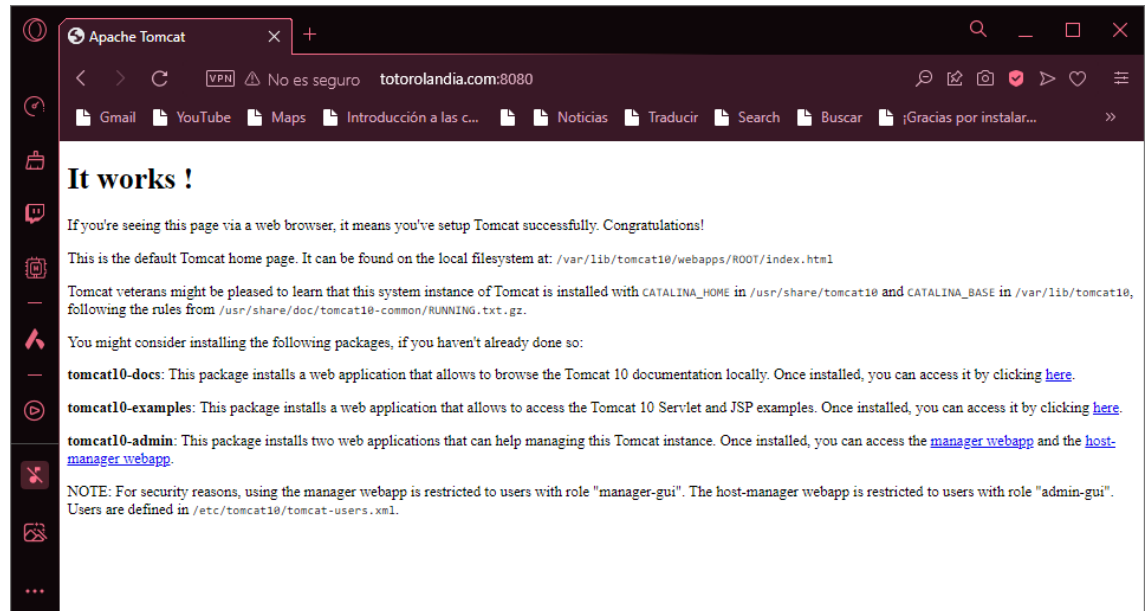
No VM guests are running outdated hypervisor (qemu) binaries on this host.

```

3. Puertos

```
root@vps-ec7fab4b:/home/ubuntu# ss -ltn
State      Recv-Q     Send-Q     Local Address:Port      Peer Address:Port
LISTEN     0           128        127.0.0.1:6010          0.0.0.0:*
LISTEN     0           4096       127.0.0.54:53           0.0.0.0:*
LISTEN     0           4096       127.0.0.53%lo:53        0.0.0.0:*
LISTEN     0           80        127.0.0.1:3306          0.0.0.0:*
LISTEN     0           128        [::]:6010               [::]:*
LISTEN     0           100        *:8080                  *:.*
LISTEN     0           511        *:80                    *:.*
LISTEN     0           4096        *:22                    *:.*
```

4. Website localhost



5. Creación de users

```
GNU nano 7.2 /etc/tomcat10/tomcat-users.xml
-->
<tomcat-users xmlns="http://tomcat.apache.org/xml"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://tomcat.apache.org/xml tomcat-users.xsd"
  version="1.0">
<!--
  By default, no user is included in the "manager-gui" role required
  to operate the "/manager/html" web application.  If you wish to use this app,
  you must define such a user - the username and password are arbitrary.

  Built-in Tomcat manager roles:
  - manager-gui - allows access to the HTML GUI and the status pages
  - manager-script - allows access to the HTTP API and the status pages
  - manager-jmx - allows access to the JMX proxy and the status pages
  - manager-status - allows access to the status pages only

  The users below are wrapped in a comment and are therefore ignored.  If you
  wish to configure one or more of these users for use with the manager web
  application, do not forget to remove the <!-- .. --> that surrounds them.  You
  will also need to set the passwords to something appropriate.
-->
<!--
  <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="tomcat"/>
  <role rolename="role1"/>
  <user username="tomcat" password="<must-be-changed>" roles="tomcat"/>
  <user username="both" password="<must-be-changed>" roles="tomcat,role1"/>
  <user username="role1" password="<must-be-changed>" roles="role1"/>
-->
<role rolename="admin-gui"/>
<role rolename="manager-gui"/>
<user username="usuario-web" password="pass" roles="admin-gui,manager-gui"/>
</tomcat-users>

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

6. Website Manager

