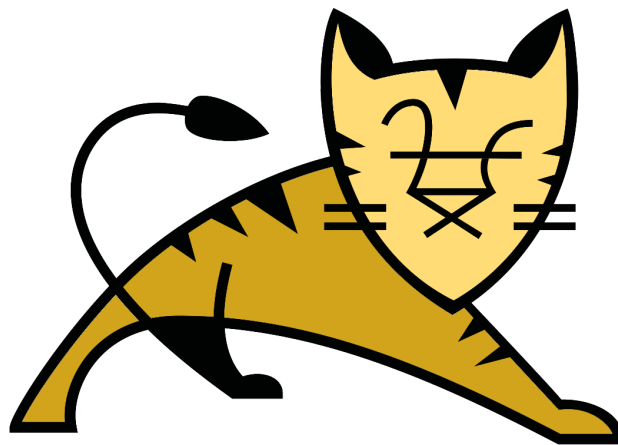# TOMCAT

Joseba Diaz Gonzalez 2º DAW*

●

```
estudiante@DAW1:~$ curl -sSL https://raw.githubusercontent.com/bitnami/container
s/main/bitnami/wildfly/docker-compose.yml > docker-compose.yml
estudiante@DAW1:~$ docker-compose up -d
Creating network "estudiante_default" with the default driver
Creating volume "estudiante_wildfly_data" with local driver
Pulling wildfly (docker.io/bitnami/wildfly:27)...
27: Pulling from bitnami/wildfly
dc7f5a1b7281: Downloading [>                                                   ]
 311.3kB/30.89MBlling fs layer
dc7f5a1b7281: Downloading [==>                                                 ]
dc7f5a1b7281: Downloading [===>                                                ]
 2.198MB/30.89MB
dc7f5a1b7281: Downloading [=====>                                              ]
  3.14MB/30.89MB
64a0dced5e15: Downloading [>                                                   ]
dc7f5a1b7281: Downloading [======>                                             ]
 4.082MB/30.89MB
dc7f5a1b7281: Downloading [========>                                           ]
 5.036MB/30.89MB
dc7f5a1b7281: Downloading [=========>                                          ]
 5.659MB/30.89MB
dc7f5a1b7281: Pull complete
64a0dced5e15: Downloading [================================>                   ]
299.3MB/445.5MB
```

```
estudiante@DAW1:~$ docker run -it --rm -p 8888:8080 tomcat:9.0
Using CATALINA_BASE:    /usr/local/tomcat
Using CATALINA_HOME:    /usr/local/tomcat
Using CATALINA_TMPDIR: /usr/local/tomcat/temp
Using JRE_HOME:        /opt/java/openjdk
Using CLASSPATH:       /usr/local/tomcat/bin/bootstrap.jar:/usr/local/tomcat/bin
/tomcat-juli.jar
Using CATALINA_OPTS:
NOTE: Picked up JDK_JAVA_OPTIONS:  --add-opens=java.base/java.lang=ALL-UNNAMED -
-add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java.base/java.util=ALL-UNN
AMED --add-opens=java.base/java.util.concurrent=ALL-UNNAMED --add-opens=java.rmi
/sun.rmi.transport=ALL-UNNAMED
13-Jan-2023 08:26:57.889 INFO [main] org.apache.catalina.startup.VersionLoggerLi
stener.log Server version name:   Apache Tomcat/9.0.70
13-Jan-2023 08:26:57.893 INFO [main] org.apache.catalina.startup.VersionLoggerLi
stener.log Server built:          Dec 1 2022 14:05:47 UTC
13-Jan-2023 08:26:57.894 INFO [main] org.apache.catalina.startup.VersionLoggerLi
stener.log Server version number: 9.0.70.0
13-Jan-2023 08:26:57.894 INFO [main] org.apache.catalina.startup.VersionLoggerLi
stener.log OS Name:               Linux
13-Jan-2023 08:26:57.894 INFO [main] org.apache.catalina.startup.VersionLoggerLi
stener.log OS Version:            5.15.0-57-generic
13-Jan-2023 08:26:57.894 INFO [main] org.apache.catalina.startup.VersionLoggerLi
stener.log Architecture:          amd64
```

```
estudiante@DAW1:~$ docker ps
CONTAINER ID    IMAGE                  COMMAND               CREATED
     STATUS          PORTS
                       NAMES
51e3581b1918    tomcat:9.0            "catalina.sh run"       About a minute a
go   Up About a minute    0.0.0.0:8888->8080/tcp, :::8888->8080/tcp
                       relaxed_jackson
e26390b4055f    bitnami/wildfly:27      "/opt/bitnami/script…"   30 minutes ago
     Up 30 minutes        0.0.0.0:8080->8080/tcp, :::8080->8080/tcp, 0.0.0.0:9990
->9990/tcp, :::9990->9990/tcp   estudiante_wildfly_1
35c9d11357e7    joomla                 "/entrypoint.sh apac…"   4 weeks ago
     Up About an hour     0.0.0.0:8070->80/tcp, :::8070->80/tcp
                       joomla_joomla_1
a59c43d3ee70    mysql:5.6              "docker-entrypoint.s…"   5 weeks ago
     Up About an hour     3306/tcp
                       joomla_joomladb_1
bc4cfdc8f847    phpmyadmin/phpmyadmin   "/docker-entrypoint.…"   2 months ago
     Up About an hour     0.0.0.0:8090->80/tcp, :::8090->80/tcp
                       phpmyadminDawes
estudiante@DAW1:~$ docker exec it 51e3581b1918
Error: No such container: it
estudiante@DAW1:~$ docker exec it 51e3581b1918 /bin/bash
Error: No such container: it
estudiante@DAW1:~$ docker exec -it 51e3581b1918 /bin/bash
```

Apache Tomcat/9.0.70

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** | **Realms & AAA** | **Examples** | **Servlet Specifications** |
| **First Web Application** | **JDBC DataSources** | | **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

---

root@3989db19c321: /usr/local/tomcat/conf

estudiante@DAW1: ~   root@3989db19c321: /usr/local/tomca...

```
  GNU nano 6.2                    tomcat-users.xml
  <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="manager-gui"/>
  <user username="tomcat" password="tomcat" roles="manager-gui"/>
</tomcat-users>

                          [ Wrote 58 lines ]
^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
```

estudiante@DAW1: ~   ✕   root@3989db19c321: /usr/local/tomca... ✕

```
  GNU nano 6.2                         manager.xml *
<!--  The contents of this file will be loaded for each web application  -->
<Context privileged="true" antiResourceLocking="false" docBase="${catalina.home>
<!--  Default set of monitored resources. If one of these changes, the    -->
<!--  web application will be reloaded.                                    -->
<WatchedResource>WEB-INF/web.xml</WatchedResource>
<WatchedResource>WEB-INF/tomcat-web.xml</WatchedResource>
<WatchedResource>${catalina.base}/conf/web.xml</WatchedResource>
<Valve className="org.apache.catalina.valves.RemoteAddrValve" allow="^.*$"/>
</Context>
<!--  Uncomment this to disable session persistence across Tomcat restarts  -->
<!--
     <Manager pathname="" />
     -->

^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
```

---

localhost:8888/manager/html

M Gmail   YouTube   Maps   Historial   Becas y Ayuda...   Moodle   (2) WhatsApp   Twitch   Meet - amt-qm...   ILLOJUAN Yos...   »

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):	
Version (for parallel deployment):	