

Corremos el contenedor

```
estudiante@DAW1: ~  
estudiante@DAW1:~$ docker run -it -p 8081:8080 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  
17-Jan-2023 09:40:58.737 INFO [main] org.apache.catalina.startup.VersionLoggerLi  
stener.log Server version name:   Apache Tomcat/9.0.70  
17-Jan-2023 09:40:58.742 INFO [main] org.apache.catalina.startup.VersionLoggerLi  
stener.log Server built:         Dec 1 2022 14:05:47 UTC  
17-Jan-2023 09:40:58.742 INFO [main] org.apache.catalina.startup.VersionLoggerLi  
stener.log Server version number: 9.0.70.0  
17-Jan-2023 09:40:58.743 INFO [main] org.apache.catalina.startup.VersionLoggerLi  
stener.log OS Name:              Linux  
17-Jan-2023 09:40:58.743 INFO [main] org.apache.catalina.startup.VersionLoggerLi  
stener.log OS Version:           5.15.0-58-generic  
17-Jan-2023 09:40:58.743 INFO [main] org.apache.catalina.startup.VersionLoggerLi  
stener.log Architecture:         amd64
```

Abrimos otra terminal y ejecutamos para entrar en /bin/bash. Entramos en webapp

```
root@362cd309971d: /usr/local/tomcat/conf  
estudiante@DAW1:~$ docker ps  
CONTAINER ID   IMAGE          COMMAND                  CREATED  
STATUS        PORTS          NAMES  
362cd309971d   tomcat:9.0    "catalina.sh run"       14 seconds ago  
Up 13 seconds  0.0.0.0:8081->8080/tcp, :::8081->8080/tcp  kind_hofstadter  
f9de4c13616e   mysql:5.6     "docker-entrypoint.s..." 6 weeks ago  
Up 30 minutes  3306/tcp      joomla_joomladb_1  
0bc476ba55d2   phpmyadmin/phpmyadmin "/docker-entrypoint.s..." 2 months ago  
Up 30 minutes  0.0.0.0:8090->80/tcp, :::8090->80/tcp      phpmyadminDawes  
estudiante@DAW1:~$ ^C  
estudiante@DAW1:~$ docker exec -it 362cd309971d /bin/bash  
root@362cd309971d:/usr/local/tomcat# cp -R webapps.dist/* webapps  
root@362cd309971d:/usr/local/tomcat# apt update  
Get:1 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]  
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]  
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]  
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB]  
Get:5 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]  
Get:6 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages  
[659 kB]  
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [720  
kB]  
Get:8 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [786  
kB]
```

Instalamos nano

```
Activities Terminal ene 17 10:48
root@362cd309971d: /usr/local/tomcat/conf

estudiante@DAW1: ~
root@362cd309971d:/usr/local/tomcat# apt install nano
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  hunspell
The following NEW packages will be installed:
  nano
0 upgraded, 1 newly installed, 0 to remove and 5 not upgraded.
Need to get 280 kB of archives.
After this operation, 881 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 nano amd64 6.2-1 [280 kB]
Fetched 280 kB in 0s (1,224 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package nano.
(Reading database ... 7923 files and directories currently installed.)
Preparing to unpack .../archives/nano_6.2-1_amd64.deb ...
Unpacking nano (6.2-1) ...
Setting up nano (6.2-1) ...
update-alternatives: using /bin/nano to provide /usr/bin/editor (editor) in auto
mode
update-alternatives: warning: skip creation of /usr/share/man/man1/editor.1.gz b
ecause associated file /usr/share/man/man1/nano.1.gz (of link group editor) does
n't exist
update-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mod
e
update-alternatives: warning: skip creation of /usr/share/man/man1/pico.1.gz bec
ause associated file /usr/share/man/man1/nano.1.gz (of link group pico) doesn't
exist
root@362cd309971d:/usr/local/tomcat# cd conf
root@362cd309971d:/usr/local/tomcat/conf# ls
Catalina      context.xml      logging.properties  tomcat-users.xsd
catalina.policy  jaspic-providers.xml  server.xml           web.xml
catalina.properties  jaspic-providers.xsd  tomcat-users.xml
root@362cd309971d:/usr/local/tomcat/conf# cd Catalina
root@362cd309971d:/usr/local/tomcat/conf/Catalina# cd localhost
```

Abrimos con nano el xml

```
Activities Terminal ene 17 10:48
root@362cd309971d: /usr/local/tomcat/c

estudiante@DAW1: ~
After this operation, 881 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 nano amd64 6.2-1 [280 kB]
Fetched 280 kB in 0s (1,224 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package nano.
(Reading database ... 7923 files and directories currently installed.)
Preparing to unpack .../archives/nano_6.2-1_amd64.deb ...
Unpacking nano (6.2-1) ...
Setting up nano (6.2-1) ...
update-alternatives: using /bin/nano to provide /usr/bin/editor (editor) in auto
mode
update-alternatives: warning: skip creation of /usr/share/man/man1/editor.1.gz b
ecause associated file /usr/share/man/man1/nano.1.gz (of link group editor) does
n't exist
update-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mod
e
update-alternatives: warning: skip creation of /usr/share/man/man1/pico.1.gz bec
ause associated file /usr/share/man/man1/nano.1.gz (of link group pico) doesn't
exist
root@362cd309971d:/usr/local/tomcat# cd conf
root@362cd309971d:/usr/local/tomcat/conf# ls
Catalina      context.xml      logging.properties  tomcat-users.xsd
catalina.policy  jaspic-providers.xml  server.xml           web.xml
catalina.properties  jaspic-providers.xsd  tomcat-users.xml
root@362cd309971d:/usr/local/tomcat/conf# cd Catalina
root@362cd309971d:/usr/local/tomcat/conf/Catalina# cd localhost
root@362cd309971d:/usr/local/tomcat/conf/Catalina/localhost# ls
manager.xml
root@362cd309971d:/usr/local/tomcat/conf/Catalina/localhost# cd ..
root@362cd309971d:/usr/local/tomcat/conf/Catalina# cd ..
root@362cd309971d:/usr/local/tomcat/conf# ls
Catalina      context.xml      logging.properties  tomcat-users.xsd
catalina.policy  jaspic-providers.xml  server.xml           web.xml
catalina.properties  jaspic-providers.xsd  tomcat-users.xml
root@362cd309971d:/usr/local/tomcat/conf# nano tomcat-users.xml
root@362cd309971d:/usr/local/tomcat/conf#
```

Escribimos lo siguiente

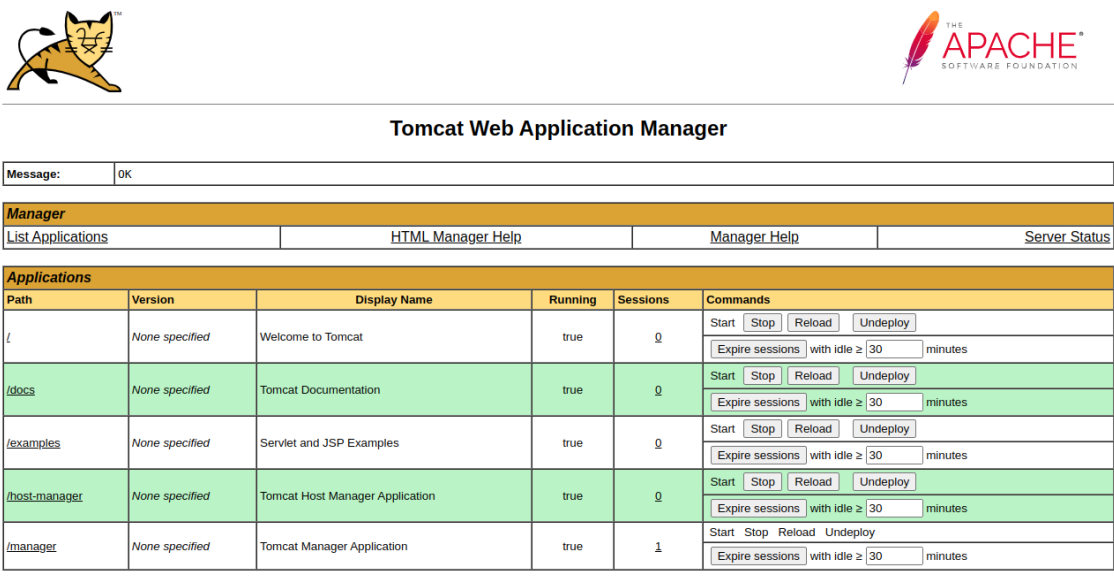
```
root@362cd309971d: /usr/local/tomcat/conf
estudiante@DAW1: ~ x root@362cd309971d: /usr/local/tomca... x
GNU nano 6.2 tomcat-users.xml *
<!--
<user username="admin" password="<must-be-changed>" roles="manager-gui"/>
<user username="robot" password="<must-be-changed>" roles="manager-script"/>
-->
<!--
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="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"/>
```

Comprobamos que ya nos deja entrar

Activities Google Chrome ene 17 10:46

Spring_final.pdf x Bright Blue x https://educacionad... x JaviGomez02/MiTien... x /manager

localhost:8081/manager/html



The screenshot shows the Tomcat Web Application Manager interface in a web browser. The page has a header with the Tomcat logo and the Apache Software Foundation logo. Below the header, there is a section titled "Tomcat Web Application Manager". A message box at the top says "Message: OK". Below this, there is a navigation bar with links: "List Applications", "HTML Manager Help", "Manager Help", and "Server Status". The main content area is a table titled "Applications" with columns: Path, Version, Display Name, Running, Sessions, and Commands. The table lists several applications, including "Welcome to Tomcat", "Tomcat Documentation", "Servlet and JSP Examples", "Tomcat Host Manager Application", and "Tomcat Manager Application". Each application row has a "Commands" column with buttons for "Start", "Stop", "Reload", and "Undeploy", as well as a link to "Expire sessions" with a dropdown menu for "with idle ≥ 30 minutes".

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