

Instalación de Tomcat en Docker

```
docker build -t mi-tomcat .
```

```
docker run -d --name tomcat -p 8081:8080 -p8080:80 -p  
8082:8082 -v %cd%/web:/opt/tomcat/myapps mi-tomcat
```

Nota sobre los puertos:

8081:8080 (host a Tomcat en Docker)

8080:80 (host a Apache Web Server en Docker)

8082:8082 (esto es para cuando conectemos Apache a Tomcat usando un Proxy)

```
apt update
```

```
apt install nano
```

Error al intentar ver los ejemplos de Tomcat, los enlaces de Server Status, Manager App, Host Manager

403 Access Denied

You are not authorized to view this page.

By default the examples web application is only accessible from a browser running on the same machine as Tomcat. If you wish to modify this restriction, you'll need to edit the example web application's context.xml file.

```
cd /opt/tomcat/webapps/examples/META-INF
```

```
nano context.xml
```

Comentar la parte de valve en context.xml

```
<!--
```

```
<Valve
```

```
className="org.apache.catalina.valves.RemoteAddrValve"
```

```
allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1"
```

```
/>
```

```
-->
```

Comentar también la línea de valve en estos archivos:

\$CATALINA_HOME/webapps/manager/META-INF

\$CATALINA_HOME/webapps/host-manager/META-INF

```
cd /opt/tomcat/webapps/host-manager/META-INF
nano context.xml
```

```
cd /opt/tomcat/webapps/manager/META-INF
nano context.xml
```

Añadir en /opt/tomcat/conf#

```
nano tomcat-users.xml
```

```
<role rolename="admin"/>
    <role rolename="admin-gui"/>
    <role rolename="manager"/>
    <role rolename="manager-gui"/>

    <user username="name" password="pwd"
roles="admin,admin-gui,manager,manager-gui"/>
```

Verificamos que funciona la aplicación de ejemplo

Entramos en <http://127.0.0.1:8081/sample/hello> y funciona.

Instalar Apache

```
apt-get install apache2
```

Verificar Apache

```
service apache2 status
service apache2 start
service apache2 stop
service apache2 restart
```