

vagrant tomcat (7/8) con JDK (7/8)

Vagrantfile

los ficheros necesarios se han servido desde un pequeño contenedor (por restricciones de licencia o firewall),

```
docker run -d -p 9090:80 -v $PWD:/http tiagoad/nginx-index
```

Vagrantfile

Vagrantfile

```
Vagrant.configure("2") do |config|
  config.vm.box = "peru/ubuntu-18.04-desktop-amd64"
  config.vm.box_version = "20190401.01"
  config.vm.provision "file", source: "tomcat.service", destination:
    "/tmp/tomcat.service"

  config.vm.provider :virtualbox do |v|
    v.name = "altrankas-tomcat7-JDK8"
    v.linked_clone = true
    v.memory = 2048
    v.cpus = 2
  end

  config.vm.provision "shell", path: "install.sh"

  config.vm.provision "shell", path: "addInsecureKey.sh"

end
```

tomcat7+oracle8

install.sh

```
#!/bin/bash

#
http://apache.uvigo.es/tomcat/tomcat-7/v7.0.93/bin/apache-tomcat-7.0.93.tar.gz
TOMCAT_TGZ="apache-tomcat-7.0.93.tar.gz"
TOMCAT_URL_DOWNLOAD="http://<local>:9090/${TOMCAT_TGZ}"
TOMCAT_PATH="/opt/tomcat"
JAVA_PATH="/usr/lib/jvm/java-8-oracle"
JAVA_INSTALLER="oracle-java8-installer"
DEBIAN_FRONTEND=noninteractive

sudo add-apt-repository -y ppa:webupd8team/java
sudo apt-get -y update
```

```

echo "oracle-java8-installer shared/accepted-oracle-license-v1-1 select true"
| sudo debconf-set-selections
sudo apt-get install -y curl ${JAVA_INSTALLER} > /dev/null 2>&1

sudo echo "JAVA_HOME=\"${JAVA_PATH}\"" >> /etc/environment

sudo groupadd tomcat
sudo useradd -s /bin/false -g tomcat -d ${TOMCAT_PATH} tomcat
sudo mkdir -p ${TOMCAT_PATH}
sudo curl ${TOMCAT_URL_DOWNLOAD} --output /tmp/${TOMCAT_TGZ}
sudo tar xzvf /tmp/${TOMCAT_TGZ} -C ${TOMCAT_PATH} --strip-components=1
sudo rm /tmp/${TOMCAT_TGZ}
sudo chgrp -R tomcat ${TOMCAT_PATH}
sudo chmod -R g+r ${TOMCAT_PATH}/conf
sudo chmod g+x ${TOMCAT_PATH}/conf
sudo chown -R tomcat ${TOMCAT_PATH}/webapps/ ${TOMCAT_PATH}/work/
${TOMCAT_PATH}/temp/ ${TOMCAT_PATH}/logs/

sudo mv /tmp/tomcat.service /etc/systemd/system/tomcat.service
sudo sed -i "s|REPLACE_PATH_HERE|${JAVA_PATH}|g"
/etc/systemd/system/tomcat.service
sudo systemctl daemon-reload
sudo systemctl enable tomcat
sudo sed -i '/<\tomcat-users>/ i\ <user username="admin" password="admin"
roles="admin,manager-gui,admin-gui"/>' ${TOMCAT_PATH}/conf/tomcat-users.xml
sudo systemctl start tomcat
sudo echo "CATALINA_HOME=\"${TOMCAT_PATH}\"" >> /etc/environment

```

tomcat7+oracle7

[install.sh](#)

```

#!/bin/bash

#
http://apache.uvigo.es/tomcat/tomcat-7/v7.0.93/bin/apache-tomcat-7.0.93.tar.gz
TOMCAT_TGZ="apache-tomcat-7.0.93.tar.gz"
TOMCAT_URL_DOWNLOAD="http://<local>:9090/${TOMCAT_TGZ}"
TOMCAT_PATH="/opt/tomcat"
JAVA_PATH="/usr/lib/jvm/java-7-oracle"
JAVA_TGZ="jdk-7u80-linux-x64.tar.gz"
JAVA_URL_DOWNLOAD="http://<local>:9090/${JAVA_TGZ}"
DEBIAN_FRONTEND=noninteractive

#sudo add-apt-repository -y ppa:webupd8team/java
sudo apt-get -y update

#echo "oracle-java8-installer shared/accepted-oracle-license-v1-1 select true"
| sudo debconf-set-selections
sudo apt-get install -y curl > /dev/null 2>&1

sudo curl ${JAVA_URL_DOWNLOAD} --output /tmp/${JAVA_TGZ}
sudo mkdir -p ${JAVA_PATH}

```

```

sudo tar xzvf /tmp/${JAVA_TGZ} -C ${JAVA_PATH} --strip-components=1
sudo rm /tmp/${JAVA_TGZ}
sudo chown -R root:root ${JAVA_PATH}
sudo echo "JAVA_HOME=\"${JAVA_PATH}/bin\" >> /etc/environment
sudo echo
"PATH=\"${PATH}:${JAVA_PATH}/bin:${JAVA_PATH}/db/bin:${JAVA_PATH}/jre/bin\" >> /etc/environment

sudo groupadd tomcat
sudo useradd -s /bin/false -g tomcat -d ${TOMCAT_PATH} tomcat
sudo mkdir -p ${TOMCAT_PATH}
sudo curl ${TOMCAT_URL_DOWNLOAD} --output /tmp/${TOMCAT_TGZ}
sudo tar xzvf /tmp/${TOMCAT_TGZ} -C ${TOMCAT_PATH} --strip-components=1
sudo rm /tmp/${TOMCAT_TGZ}
sudo chgrp -R tomcat ${TOMCAT_PATH}
sudo chmod -R g+r ${TOMCAT_PATH}/conf
sudo chmod g+x ${TOMCAT_PATH}/conf
sudo chown -R tomcat ${TOMCAT_PATH}/webapps/ ${TOMCAT_PATH}/work/
${TOMCAT_PATH}/temp/ ${TOMCAT_PATH}/logs/

sudo mv /tmp/tomcat.service /etc/systemd/system/tomcat.service
sudo sed -i "s|REPLACE_PATH_HERE|${JAVA_PATH}|g"
/etc/systemd/system/tomcat.service
sudo systemctl daemon-reload
sudo systemctl enable tomcat
sudo sed -i '/<\tomcat-users>/ i\ <user username="admin" password="admin"
roles="admin,manager-gui,admin-gui"/>' ${TOMCAT_PATH}/conf/tomcat-users.xml
sudo systemctl start tomcat
sudo echo "CATALINA_HOME=\"${TOMCAT_PATH}\" >> /etc/environment

```

tomcat8+oracle8

[install.sh](#)

```

#!/bin/bash

#
http://ftp.cixug.es/apache/tomcat/tomcat-8/v8.5.39/bin/apache-tomcat-8.5.39.ta
r.gz
TOMCAT_TGZ="apache-tomcat-8.5.39.tar.gz"
TOMCAT_URL_DOWNLOAD="http://<local>:9090/${TOMCAT_TGZ}"
TOMCAT_PATH="/opt/tomcat"
JAVA_PATH="/usr/lib/jvm/java-8-oracle"
JAVA_INSTALLER="oracle-java8-installer"
DEBIAN_FRONTEND=noninteractive

sudo add-apt-repository -y ppa:webupd8team/java
sudo apt-get -y update

echo "oracle-java8-installer shared/accepted-oracle-license-v1-1 select true"
| sudo debconf-set-selections
sudo apt-get install -y curl ${JAVA_INSTALLER} > /dev/null 2>&1

```

```

sudo echo "JAVA_HOME=\"${JAVA_PATH}/bin\"" >> /etc/environment

sudo groupadd tomcat
sudo useradd -s /bin/false/ -g tomcat -d ${TOMCAT_PATH} tomcat
sudo mkdir -p ${TOMCAT_PATH}
sudo curl ${TOMCAT_URL_DOWNLOAD} --output /tmp/${TOMCAT_TGZ}
sudo tar xzvf /tmp/${TOMCAT_TGZ} -C ${TOMCAT_PATH} --strip-components=1
sudo rm /tmp/${TOMCAT_TGZ}
sudo chgrp -R tomcat ${TOMCAT_PATH}
sudo chmod -R g+r ${TOMCAT_PATH}/conf
sudo chmod g+x ${TOMCAT_PATH}/conf
sudo chown -R tomcat ${TOMCAT_PATH}/webapps/ ${TOMCAT_PATH}/work/
${TOMCAT_PATH}/temp/ ${TOMCAT_PATH}/logs/
sudo sed -i.bak "19,20d" /opt/tomcat/webapps/host-manager/META-INF/context.xml
sudo sed -i.bak "19,20d" /opt/tomcat/webapps/manager/META-INF/context.xml

sudo mv /tmp/tomcat.service /etc/systemd/system/tomcat.service
sudo sed -i "s|REPLACE_PATH_HERE|${JAVA_PATH}|g"
/etc/systemd/system/tomcat.service
sudo systemctl daemon-reload
sudo systemctl enable tomcat
sudo sed -i '/<\tomcat-users>/ i\ <user username="admin" password="admin"
roles="admin,manager-gui,admin-gui"/>' ${TOMCAT_PATH}/conf/tomcat-users.xml
sudo systemctl start tomcat
sudo echo "CATALINA_HOME=\"${TOMCAT_PATH}\"" >> /etc/environment

```

tomcat8+oracle7

[install.sh](#)

```

#!/bin/bash

#
http://ftp.cixug.es/apache/tomcat/tomcat-8/v8.5.39/bin/apache-tomcat-8.5.39.ta
r.gz
TOMCAT_TGZ="apache-tomcat-8.5.39.tar.gz"
TOMCAT_URL_DOWNLOAD="http://<local>:9090/${TOMCAT_TGZ}"
TOMCAT_PATH="/opt/tomcat"
JAVA_PATH="/usr/lib/jvm/java-7-oracle"
JAVA_TGZ="jdk-7u80-linux-x64.tar.gz"
JAVA_URL_DOWNLOAD="http://<local>:9090/${JAVA_TGZ}"
DEBIAN_FRONTEND=noninteractive

sudo apt-get -y update
sudo apt-get install -y curl > /dev/null 2>&1

sudo curl ${JAVA_URL_DOWNLOAD} --output /tmp/${JAVA_TGZ}
sudo mkdir -p ${JAVA_PATH}
sudo tar xzvf /tmp/${JAVA_TGZ} -C ${JAVA_PATH} --strip-components=1
sudo rm /tmp/${JAVA_TGZ}
sudo chown -R root:root ${JAVA_PATH}
sudo echo "JAVA_HOME=\"${JAVA_PATH}/bin\"" >> /etc/environment
sudo echo

```

```

"PATH=\"${PATH}:${JAVA_PATH}/bin:${JAVA_PATH}/db/bin:${JAVA_PATH}/jre/bin\"
>> /etc/environment

sudo groupadd tomcat
sudo useradd -s /bin/false/ -g tomcat -d ${TOMCAT_PATH} tomcat
sudo mkdir -p ${TOMCAT_PATH}
sudo curl ${TOMCAT_URL_DOWNLOAD} --output /tmp/${TOMCAT_TGZ}
sudo tar xzvf /tmp/${TOMCAT_TGZ} -C ${TOMCAT_PATH} --strip-components=1
sudo rm /tmp/${TOMCAT_TGZ}
sudo chgrp -R tomcat ${TOMCAT_PATH}
sudo chmod -R g+r ${TOMCAT_PATH}/conf
sudo chmod g+x ${TOMCAT_PATH}/conf
sudo chown -R tomcat ${TOMCAT_PATH}/webapps/ ${TOMCAT_PATH}/work/
${TOMCAT_PATH}/temp/ ${TOMCAT_PATH}/logs/
sudo sed -i.bak "19,20d" /opt/tomcat/webapps/host-manager/META-INF/context.xml
sudo sed -i.bak "19,20d" /opt/tomcat/webapps/manager/META-INF/context.xml

sudo mv /tmp/tomcat.service /etc/systemd/system/tomcat.service
sudo sed -i "s|REPLACE_PATH_HERE|${JAVA_PATH}|g"
/etc/systemd/system/tomcat.service
sudo systemctl daemon-reload
sudo systemctl enable tomcat
sudo sed -i '/<\tomcat-users>/ i\ <user username="admin" password="admin"
roles="admin,manager-gui,admin-gui"/>' ${TOMCAT_PATH}/conf/tomcat-users.xml
sudo systemctl start tomcat
sudo echo "CATALINA_HOME=\"${TOMCAT_PATH}\"" >> /etc/environment

```

ficheros comunes

tomcat.service

```

[Unit]
Description=Apache Tomcat Web Application Container
After=network.target

[Service]
Type=forking

Environment=JAVA_HOME=REPLACE_PATH_HERE/jre
Environment=CATALINA_PID=/opt/tomcat/temp/tomcat.pid
Environment=CATALINA_HOME=/opt/tomcat
Environment=CATALINA_BASE=/opt/tomcat
Environment='CATALINA_OPTS=-Xms512M -Xmx1024M -server -XX:+UseParallelGC'
Environment='JAVA_OPTS=-Djava.awt.headless=true -
Djava.security.egd=file:/dev/./urandom'

ExecStart=/opt/tomcat/bin/startup.sh
ExecStop=/opt/tomcat/bin/shutdown.sh

User=tomcat
Group=tomcat
UMask=0007
RestartSec=10

```

```
Restart=always  
[Install]  
WantedBy=multi-user.target
```

[addInsecurekey.sh](#)

```
#!/bin/bash  
su - vagrant  
echo "ssh-rsa  
AAAAB3NzaC1yc2EAAAABIwAAAQEA6NF8iallvQVp22WDkTkyrtvp9eWW6A8YVr+kz4TjGYe7gHzIw+  
niNltGEFHxD8+v1I2YJ6oXevct1YeS0o9HZyN1Q9qgCgzUFtd0KLv6IedplqoPkcmF0aYet2PkEDo3  
MlTBckFXPITAMzF8dJSIFo9D8Hfd0V0IAdx407PtixWKn5y2hMNG0zQPyUecp4pzC6kivAIhyfHilF  
R61RGL+GPXQ2MWZWFYbAGjyiYJnAmCP3N0Td0jMZEhDkbUvxhMmBYsdETklrRgm+R4L0zFUGaHqHDL  
KLX+FIPKcF96hrucXzcWyLbIbEgE980HlnVYCzRdK8jLqm8tehUc9c9WhQ== vagrant insecure  
public key  
" >> .ssh/authorized_keys
```

From:

<https://matebcn.eu/> - miguel angel torres egea

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