Práctica 3 – Instalación Tomcat

Se trata de que instales TOMCAT como servidor de aplicaciones en Ubuntu Server.

Indicaciones generales:

- 1) Genera capturas de cada paso.
- 2) Obtén un documento final <nombre> <apellido> practica <Nº>.pdf
- 3) Súbelo a la plataforma.

Contenido práctica:

- A) Tenemos este escenario inicial:
 - a. Tendremos una VM con Ubuntu Server.
 - b. Podremos acceder mediante un cliente web al servidor.

O & 10.0.2.4



Apache2 Ubuntu Default Page

ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at /var/www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the apache2-doc package was installed on this server.

 $\label{thm:configuration} \mbox{The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows: \mbox{}$

```
/etc/apache2/

|-- apache2.conf

| `-- ports.conf

|-- mods-enabled

| |-- *.load

| `-- *.conf

|-- conf-enabled

| `-- *.conf

|-- sites-enabled

| `-- *.conf
```

- apache2.conf is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- ports.conf is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the mods-enabled/, conf-enabled/ and sites-enabled/ directories contain
 particular configuration snippets which manage modules, global configuration fragments, or
 virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective *-available/
 counterparts. These should be managed by using our belongs against a 2dismod against against a 2dismod against a 2dismod against against a 2dismod against agai

- B) Instalación de TOMCAT:
 - a. apt-get update

```
ubuntuservidor@ubuntuservidor:~$ sudo apt-get update
[sudo] password for ubuntuservidor:
```

b. apt install -y tomcat9 tomcat9-admin

```
ubuntuservidor@ubuntuservidor:~$ sudo apt install –y tomcat9 tomcat9–admin
Reading package lists... Done
Building dependency tree
```

c. El estado del servicio se comprobará con systemctl status tomcat9

d. Editamos el archivo /etc/tomcat9/server.xml y en la directiva Connector comprobamos que el puerto por defecto en port es 8080

e. Editamos /etc/tomcat9/tomcat-users.xml y analizamos e implementamos un usuario que nos permita tener permiso al admin-gui y al manager-gui

```
-->
<user username="admin" password="adminadmin" roles="admin,manager,admin–gui,manager–gu
</tomcat–users>
```

f. Para evitar problemas de acceso a las herramientas administrativas agregamos un comentario HTML a la directiva Valve en el archivo usr/share/tomcat9-admin/manager/META-INF/context.xml

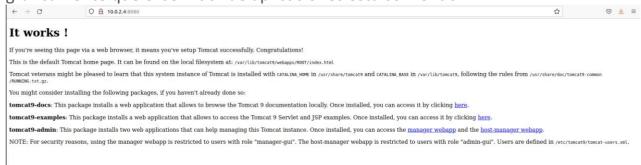
g. Idem para /usr/share/tomcat9-admin/host-manager/META-INF/context.xml

```
<!-- <Valve className="org.apache.catalina.valves.RemoteAddrValve"
: allow="127\.\d+\.\d+\.\d+\:1|0:0:0:0:0:0:0:1" />-->
( <Manager sessionAttributeValueClassNameFilter="java\.lang\.(?:Boolean|Ir</pre>
```

h. Reinicia TOMCAT

```
ubuntuservidor@ubuntuservidor:~$ sudo systemctl restart tomcat9
gubuntuservidor@ubuntuservidor:~$ _
```

- C) Lanzamiento de TOMCAT:
- D) Accede a la IP de tu servidor en el puerto 8080 y observa gráficamente que el servidor de aplicaciones está corriendo.



a. Verifica que puedes acceder al administrador gui y al de la máquina virtual autenticándote con el usuario creado en el apartado B)e.

Manager:

