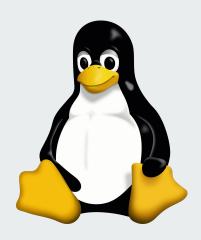
# TEMA 6 EJERCICIO 6

Iñigo Martín de la vega







# Pasos a realizar

- Actualizar a la ultima versión de Ubuntu Server
- 2. Instalar apache
- 3. Hostear nuestra pagina WEB
- 4. Instalar y gestionar modulos

```
function(){cards();));
dow).width();
reen();
 n();
```

#### **Actualizar Ubuntu Server**

#### Paso 1 Actualizar e Instalar

• Escribir el comando:

```
ini112@servidor-principal:~

ini112@servidor-principal:~

ini112@servidor-principal:~

sudo apt update && sudo apt upgrade
```

#### **Actualizar Ubuntu Server**

#### Paso 2 Reinicio

Reniniciar dispositivo:

```
ini112@servidor-principal:~

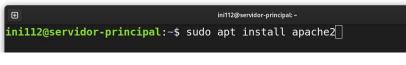
ini112@servidor-principal:~

ini112@servidor-principal:~
```

# **Instalar Apache2**

#### Paso 1 Instalar

 Instalar apache2 desde la libreria de ubuntu con el comando "apt install"



#### Paso 2 Verificar Estado

Comprovar el estado del servicio de apache2
 (nos deberia de aparecer • un delante de apache2.service indicando que se encuentra activo ene este momento.

```
D initi2@servidor-principal:→$ sudo systemcts status apache2

• apache2.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: Native: active (running) since Fri 2024-07-19 17:51:43 CEST; 32min ago
Docs: https://httpd.apache.org/docs/2.4/
Main PID: 7764 (apache2)
Tasks: 56 (limit: 19027)
Memory: 6.3M (peak: 7.2M)
CPU: 145ms
CGroup: /system.slice/apache2.service
-7764 /usr/sbin/apache2 - k start
-7766 /usr/sbin/apache2 - k start
-7767 /usr/sbin/apache2 - k start
-7767 /usr/sbin/apache2 - k start
-7768 /usr/sbin/apache2 - k start
-7769 /usr/sbin/apache2 - k start
-7761 /usr/sbin/apache2 - k start
-7762 /usr/sbin/apache2 - k start
-7763 /usr/sbin/apache2 - k start
-7764 /usr/sbin/apache2 - k start
-7765 /usr/sbin/apache2 - k start
-7767 /usr/sbin/apache2 - k start
-7768 /usr/sbin/apache2 - k start
-7769 /usr/sbin/apach2 - k start
-7
```

# **Instalar Apache2**

### Paso 3 Verificar Pagina Por Defecto

Prueba de funcionamiento de pagina WEB





N 192.168.1.37



#### Apache2 Default Page

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.

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.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
        `-- ports.conf
  - mods-enabled
        1 -- *. load
         -- *.conf
 -- conf-enabled
         `-- *.conf
  - sites-enabled
         `-- *.conf
```

- apache 2. 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 helpers a2enmod, a2dismod, a2ensite, a2dissite, and a2enconf, a2disconf. See their respective man pages for detailed information.
- The binary is called apache2 and is managed using systemd, so to start/stop the service use systemctl start apache2 and systemctl stop apache2, and use systemctl status apache2 and journalctl - u apache2 to check status, system and apache2ctl can also be used for service management if desired, Calling /usr/bin/apache2 directly will not work with the default configuration.

#### Paso 1 Crear Directorio

• Crearemos el directorio de la nuestra pagina y nos dirigiremos a la carpeta





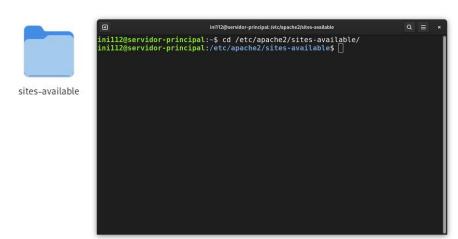
#### Paso 2 Crear Pagina

Crearemos la pagina index.html

```
☐ ini112@servidor-principal:/var/www/prueba Q ☐ ×
ini112@servidor-principal:/var/www/prueba$ sudo nano index.html
☐
```

### Paso 3 Configurar Virtual Host

a. Nos dirigiremos al directorio de configuración b. Copiaremos el archivo de configuración

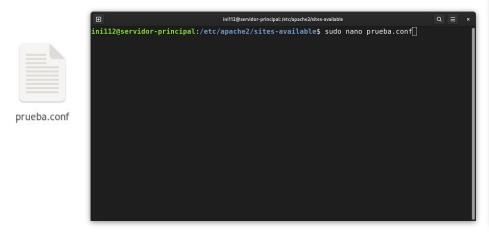






### Paso 3 Configurar Virtual Host

c. Abriremos el documento



```
ini112@servidor-principal:/etc/apache2/sites-available
 GNU nano 7.2
                                              prueba.conf *
<VirtualHost *:80>
        ServerAdmin webmaster@localhost
        DocumentRoot /var/www/html
        ErrorLog ${APACHE LOG DIR}/error.log
        CustomLog ${APACHE LOG DIR}/access.log combined
</VirtualHost>
                 O Write Out
                                 ^W Where Is
                                                  ^K Cut
                                                                  ^T_Execute
                                                                                   ^C Location
                                                  ^U Paste
```

#### Paso 3 Configurar Virtual Host

c,e,f. Modificaremos ServerAdmin, DocumentRoot y añadiremos el apartado de ServerName

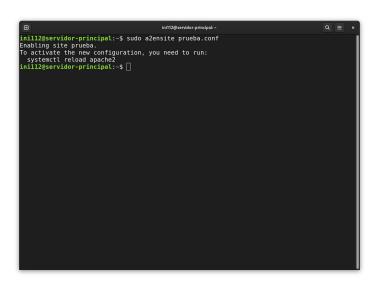
```
GNU nano 7.2

# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerName www.ejemplo.com
ServerAdmin ini2552@gmail.com
DocumentRoot /var/www/prueba
```

#### Paso 4 Activar Host

Deberemos activar el archivo de configuración



#### Paso 5 Reiniciar Apache

Deberemos reiniciar Apache2

# **Instalar y Gestionar Modulos**

#### Paso 1 Instalar Modulos

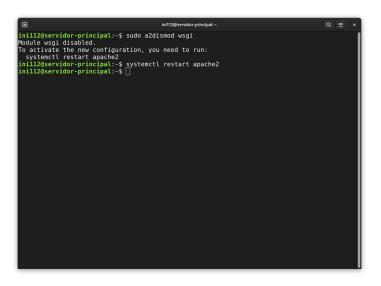
Instalaremos el modulo de Python WSGI

```
ini112@servidor-principal: ~
inill2@servidor-principal:~$ sudo apt install libapache2-mod-wsgi-pv3
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paguetes NUEVOS:
 libapache2-mod-wsgi-py3
 actualizados, 1 nuevos se instalarán, 0 para eliminar y 4 no actualizados.
Se necesita descargar 103 kB de archivos.
Se utilizarán 300 kB de espacio de disco adicional después de esta operación.
Des:1 http://es.archive.ubuntu.com/ubuntu noble/main amd64 libapache2-mod-wsgi-py3 amd64 5
0.0-1build2 [103 kB]
Descargados 103 kB en 1s (145 kB/s)
Seleccionando el paquete libapache2-mod-wsgi-py3 previamente no seleccionado.
(Levendo la base de datos ... 193932 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../libapache2-mod-wsgi-py3 5.0.0-1build2 amd64.deb ...
Desempaguetando libapache2-mod-wsgi-py3 (5.0.0-1build2) ...
Configurando libapache2-mod-wsgi-py3 (5.0.0-1build2) ...
apache2 invoke: Enable module wsgi
Scanning processes...
Scanning candidates...
Scanning processor microcode...
Scanning linux images...
Running kernel seems to be up-to-date.
The processor microcode seems to be up-to-date.
Restarting services...
Service restarts being deferred:
systemctl restart NetworkManager.service
 /etc/needrestart/restart.d/dbus.service
 systemctl restart gdm.service
```

# **Instalar y Gestionar Modulos**

#### Paso 2 Desactivar

Para desactivar un modulo



#### Paso 3 Activar

Para activar un modulo