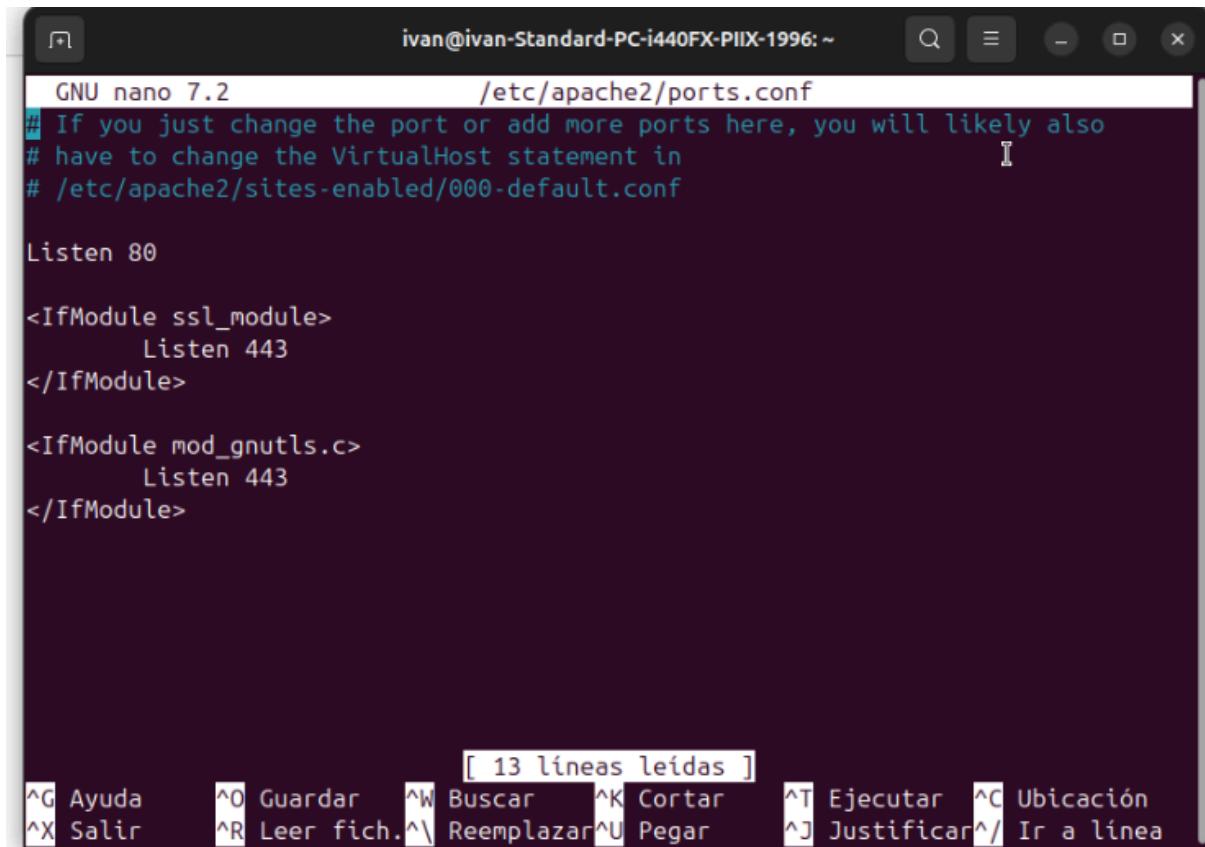


ACT 2:Ejercicios archivos de configuración

Por Iván Garrido Moguer

Entramos en etc, apache 2, ports.conf y metemos la linea 81



The screenshot shows a terminal window titled "ivan@ivan-Standard-PC-i440FX-PIIX-1996: ~". The window contains the Apache ports.conf configuration file. The file includes comments about changing ports and a note about VirtualHost statements. It defines two Listen directives: one for port 80 and two for port 443, one via the ssl module and one via mod_gnutls.c. The bottom of the screen shows the nano editor's command bar with various keyboard shortcuts and a status message "[13 líneas leídas]".

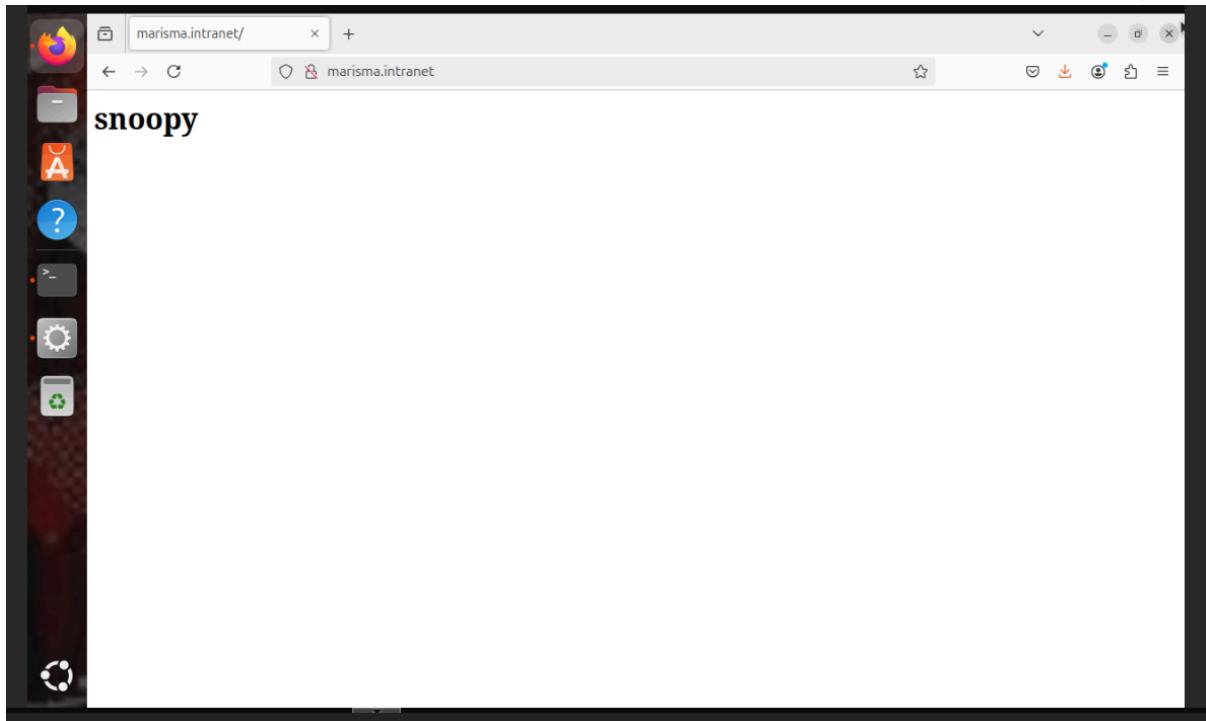
```
GNU nano 7.2          /etc/apache2/ports.conf
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 80

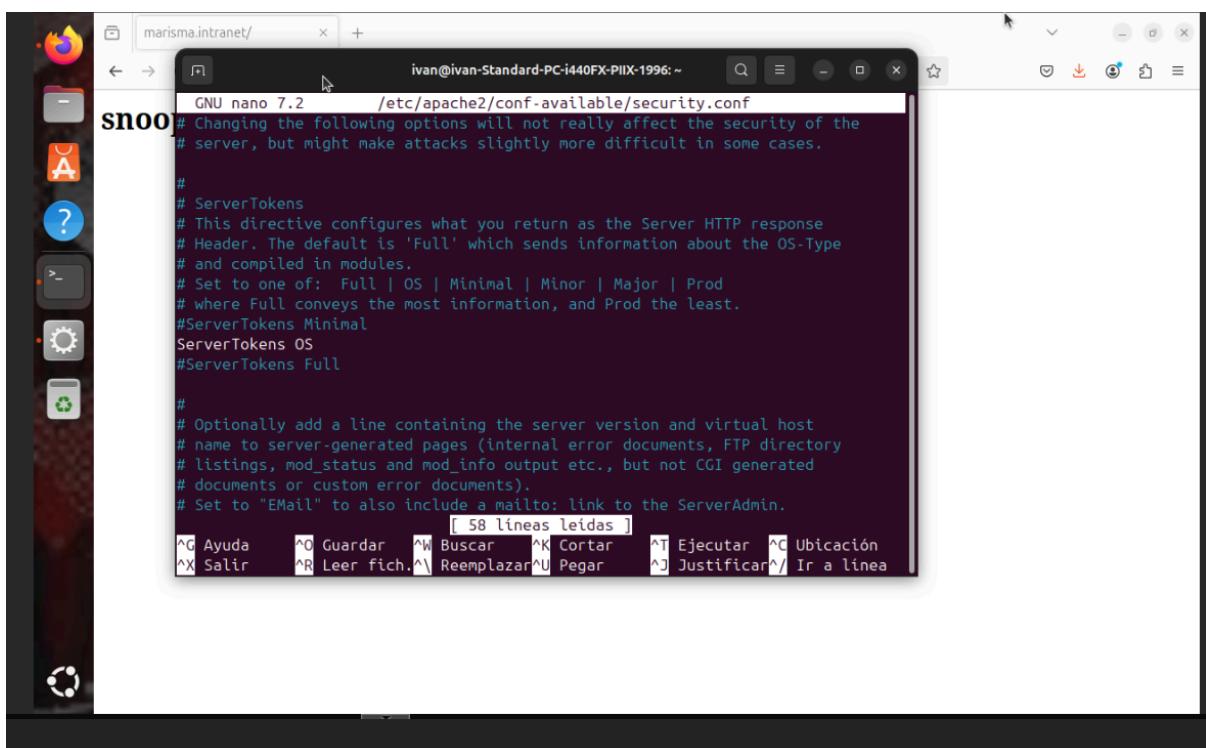
<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>
```

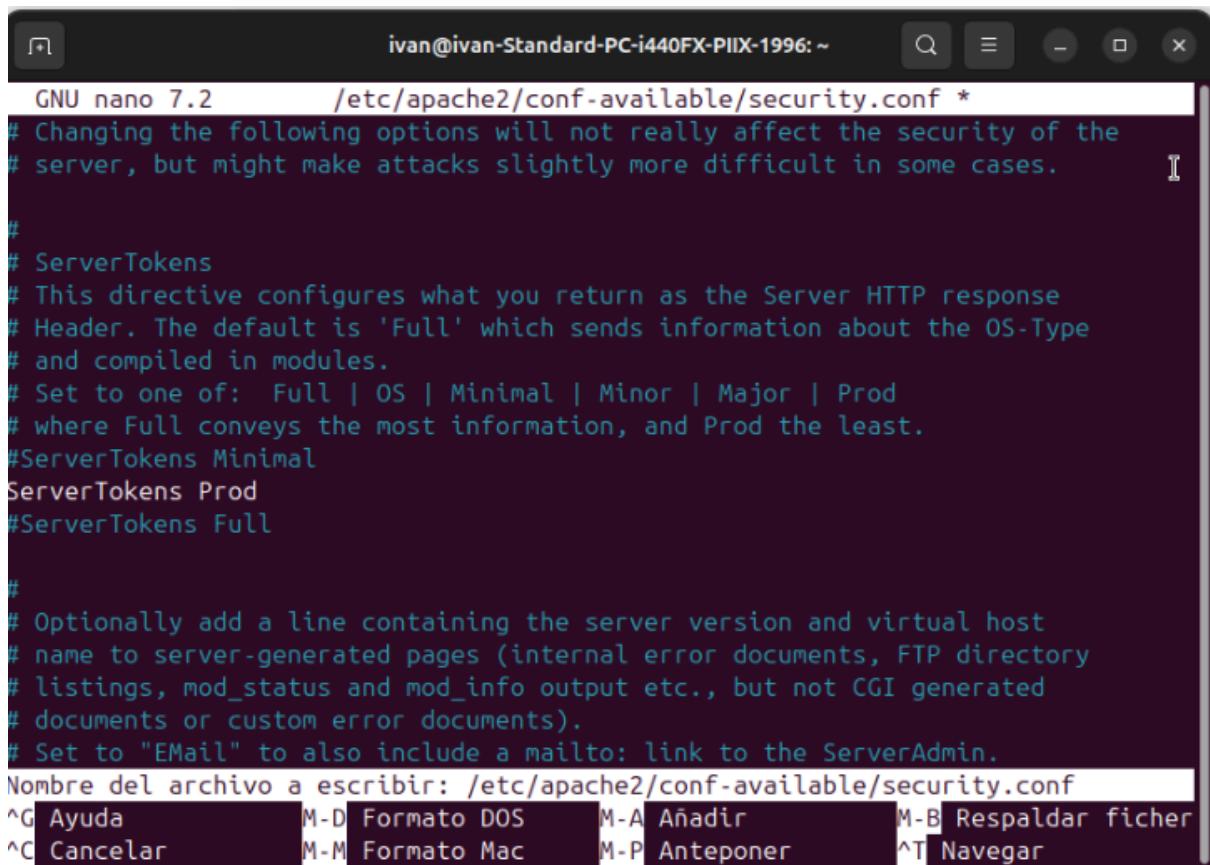
Podemos seguir entrando



Cambia la directiva “ServerTokens” para mostrar el nombre del producto.



Cambio OS por Prod

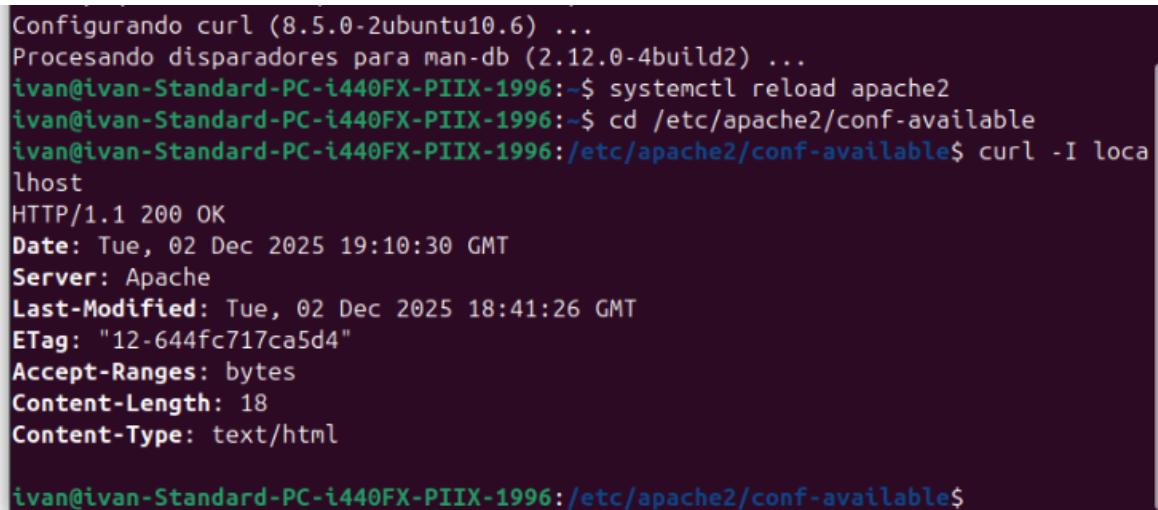


```
GNU nano 7.2      /etc/apache2/conf-available/security.conf *
# Changing the following options will not really affect the security of the
# server, but might make attacks slightly more difficult in some cases.

#
# ServerTokens
# This directive configures what you return as the Server HTTP response
# Header. The default is 'Full' which sends information about the OS-Type
# and compiled in modules.
# Set to one of: Full | OS | Minimal | Minor | Major | Prod
# where Full conveys the most information, and Prod the least.
#ServerTokens Minimal
ServerTokens Prod
#ServerTokens Full

#
# Optionally add a line containing the server version and virtual host
# name to server-generated pages (internal error documents, FTP directory
# listings, mod_status and mod_info output etc., but not CGI generated
# documents or custom error documents).
# Set to "EMail" to also include a mailto: link to the ServerAdmin.
Nombre del archivo a escribir: /etc/apache2/conf-available/security.conf
^G Ayuda          M-D Formato DOS     M-A Añadir        M-B Respaldar fichero
^C Cancelar       M-M Formato Mac     M-P Anteponer    ^T Navegar
```

Con curl nos aparece en nombre del servidor apache

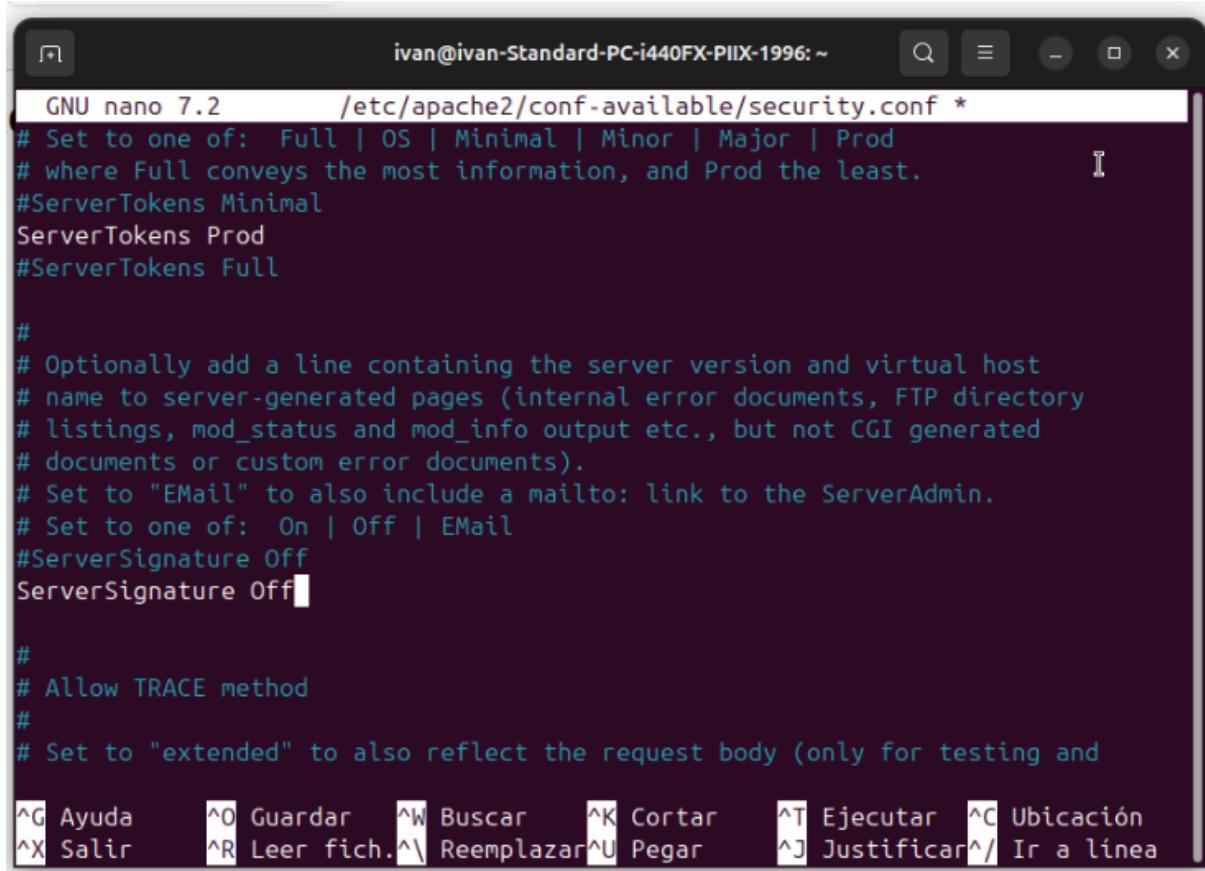


```
Configurando curl (8.5.0-2ubuntu10.6) ...
Procesando disparadores para man-db (2.12.0-4build2) ...
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~$ systemctl reload apache2
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~$ cd /etc/apache2/conf-available
ivan@ivan-Standard-PC-i440FX-PIIX-1996:/etc/apache2/conf-available$ curl -I localhost
HTTP/1.1 200 OK
Date: Tue, 02 Dec 2025 19:10:30 GMT
Server: Apache
Last-Modified: Tue, 02 Dec 2025 18:41:26 GMT
ETag: "12-644fc717ca5d4"
Accept-Ranges: bytes
Content-Length: 18
Content-Type: text/html

ivan@ivan-Standard-PC-i440FX-PIIX-1996:/etc/apache2/conf-available$
```

Comprueba si se visualiza el pie de página en las páginas generadas por Apache (por ejemplo, en las páginas de error). Cambia el valor de la directiva "ServerSignature" y comprueba que funciona correctamente.

En security es
ta tambien server signature, la podemos quitar

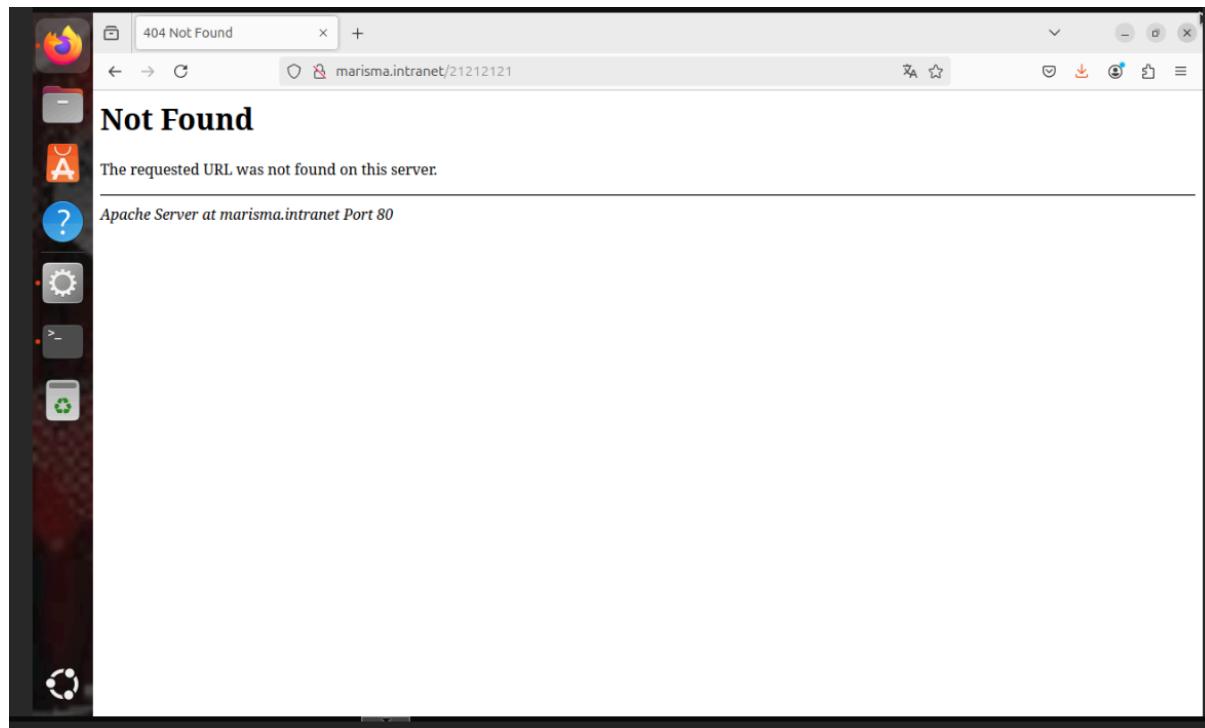


```
GNU nano 7.2      /etc/apache2/conf-available/security.conf *
# Set to one of: Full | OS | Minimal | Minor | Major | Prod
# where Full conveys the most information, and Prod the least.
#ServerTokens Minimal
ServerTokens Prod
#ServerTokens Full

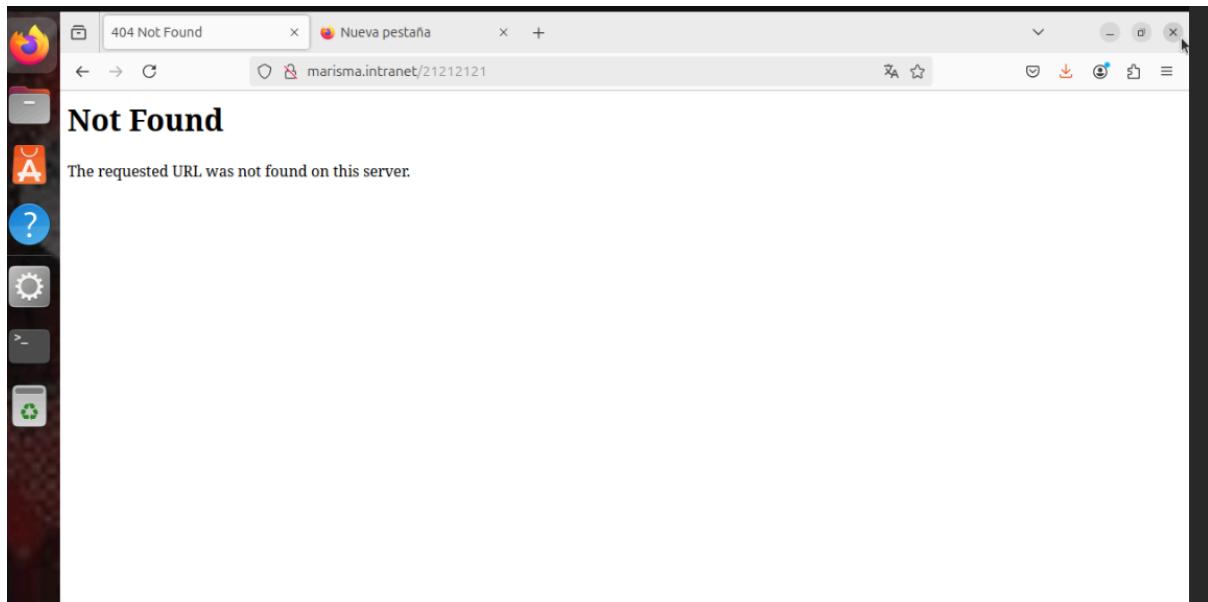
#
# Optionally add a line containing the server version and virtual host
# name to server-generated pages (internal error documents, FTP directory
# listings, mod_status and mod_info output etc., but not CGI generated
# documents or custom error documents).
# Set to "EMail" to also include a mailto: link to the ServerAdmin.
# Set to one of: On | Off | EMail
#ServerSignature Off
ServerSignature Off

#
# Allow TRACE method
#
# Set to "extended" to also reflect the request body (only for testing and

^G Ayuda      ^O Guardar    ^W Buscar     ^K Cortar     ^T Ejecutar   ^C Ubicación
^X Salir      ^R Leer fich.  ^\ Reemplazar  ^U Pegar      ^J Justificar ^/ Ir a línea
```



Antes nos salía

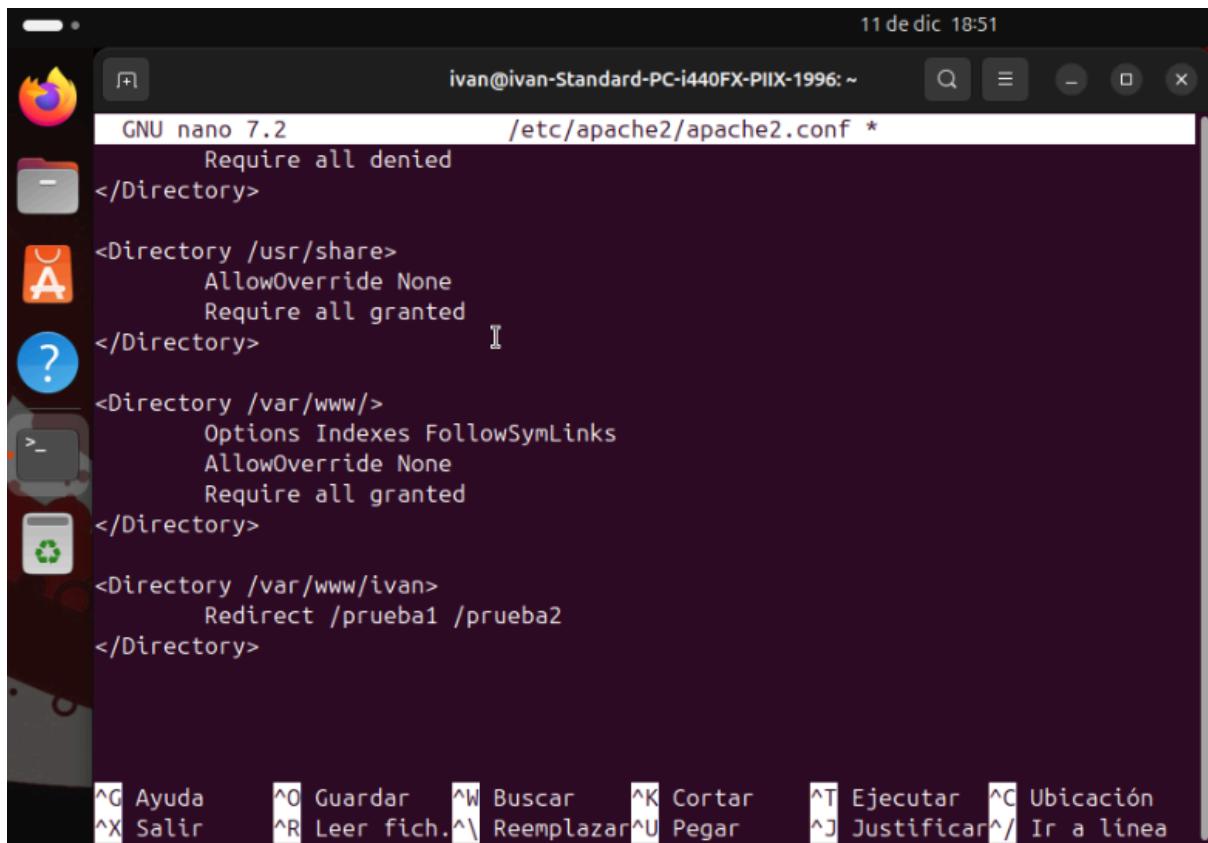


ahora ya no

Crea un directorio “prueba” y otro directorio “prueba2”. Incluye un par de páginas en cada una de ellas.

```
11 de dic 18:32
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ ls -l
bash: /var/www/html$: No existe el archivo o el directorio
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ cd /var/www/html/
bash: cd: /var/www/html/: No existe el archivo o el directorio
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ /var/www
bash: /var/www: Es un directorio
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ ls -l /var/www/
total 12
drwxr-xr-x 2 ivan ivan 4096 dic  2 19:49 ivan
drwxr-xr-x 3 root root 4096 dic  2 20:43 sitioweb1.com
drwxr-xr-x 3 root root 4096 dic  2 20:49 sitioweb2.com
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ sudo mkdir /var/www/html/prueba1
[sudo] contraseña para ivan:
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ sudo mkdir /var/www/html/prueba1 /var/www/html/prueba2
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~ ls -l /var/www/html
total 8
drwxr-xr-x 2 root root 4096 dic 11 18:31 prueba1
drwxr-xr-x 2 root root 4096 dic 11 18:31 prueba2
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~
```

Cambiamos la redirección



```
GNU nano 7.2          /etc/apache2/apache2.conf *
Require all denied
</Directory>

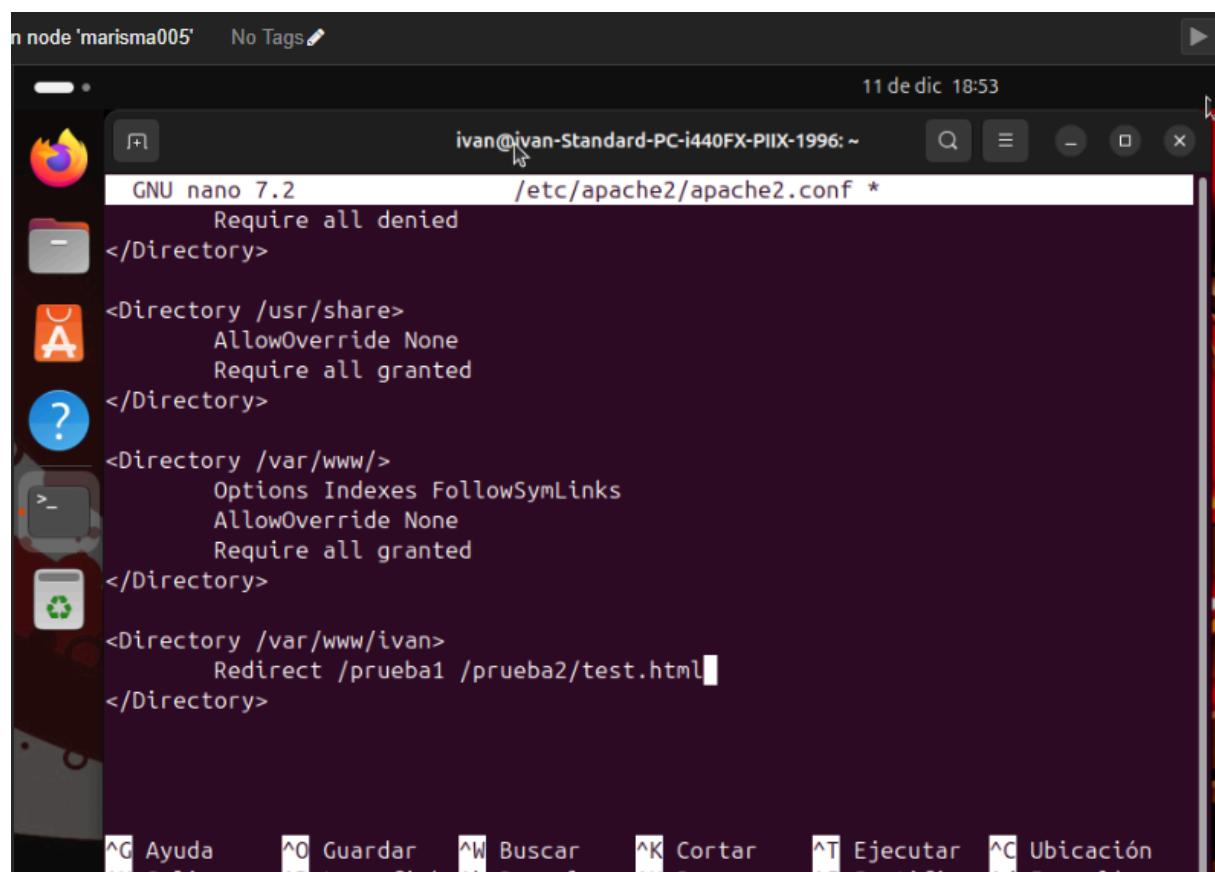
<Directory /usr/share>
    AllowOverride None
    Require all granted
</Directory>           |

<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride None
    Require all granted
</Directory>

<Directory /var/www/ivan>
    Redirect /prueba1 /prueba2
</Directory>

^G Ayuda      ^O Guardar     ^W Buscar     ^K Cortar     ^T Ejecutar   ^C Ubicación
^X Salir      ^R Leer fich. ^\ Reemplazar ^U Pegar      ^J Justificar ^/ Ir a línea
```

Es posible redireccionar tan solo una página en lugar de toda la carpeta.
Pruébalo



```
GNU nano 7.2          /etc/apache2/apache2.conf *
Require all denied
</Directory>

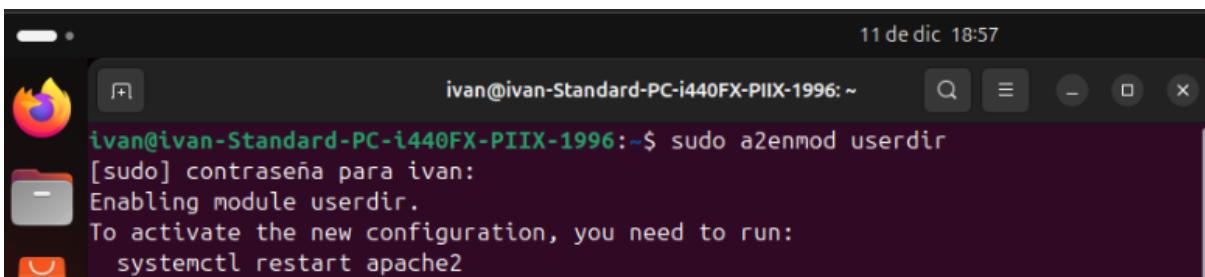
<Directory /usr/share>
    AllowOverride None
    Require all granted
</Directory>

<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride None
    Require all granted
</Directory>

<Directory /var/www/ivan>
    Redirect /prueba1 /prueba2/test.html
</Directory>

^G Ayuda      ^O Guardar     ^W Buscar     ^K Cortar     ^T Ejecutar   ^C Ubicación
^X Salir      ^R Leer fich. ^\ Reemplazar ^U Pegar      ^J Justificar ^/ Ir a línea
```

Usa la directiva userdir.

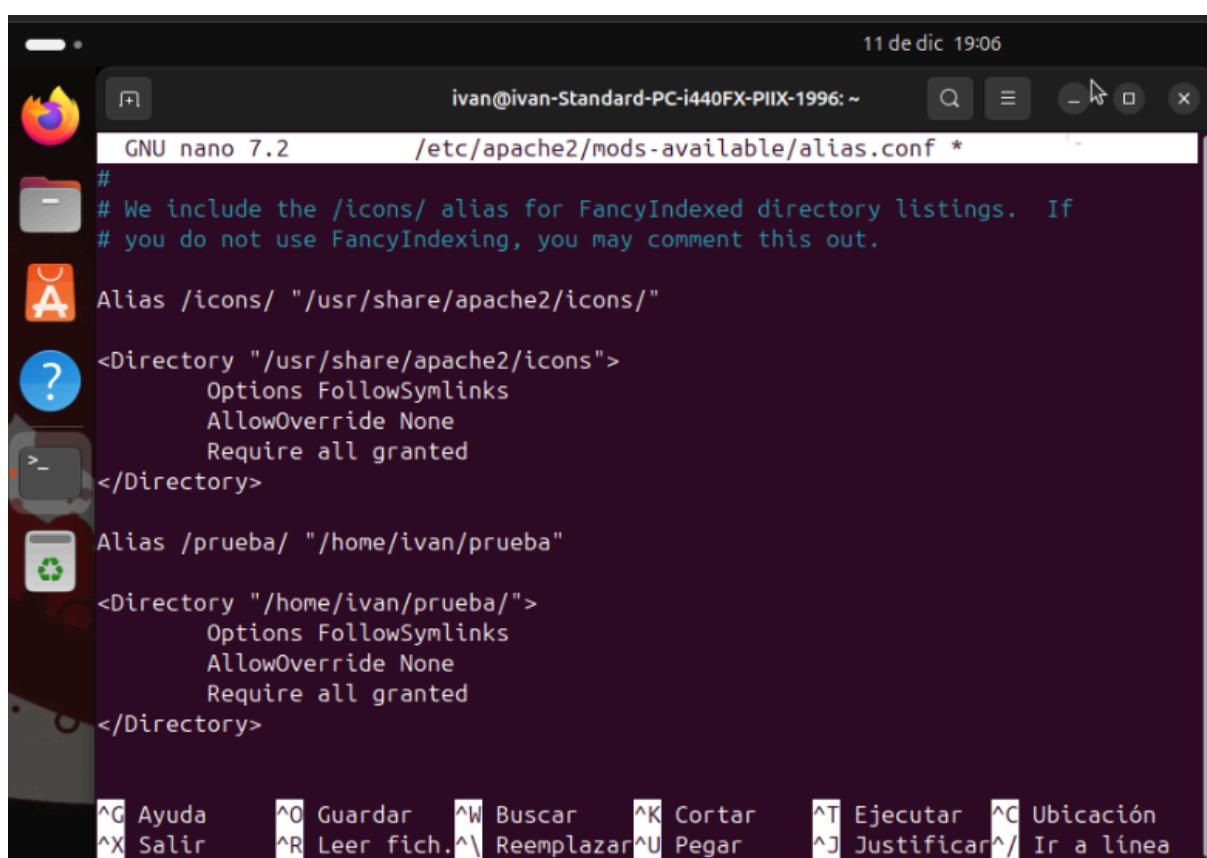


```
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~$ sudo a2enmod userdir
[sudo] contraseña para ivan:
Enabling module userdir.
To activate the new configuration, you need to run:
    systemctl restart apache2
```

Funciona



9. Usa la directiva alias para redireccionar a una carpeta dentro del directorio de usuario.



```
ivan@ivan-Standard-PC-i440FX-PIIX-1996:~$ nano /etc/apache2/mods-available/alias.conf
#
# We include the /icons/ alias for FancyIndexed directory listings. If
# you do not use FancyIndexing, you may comment this out.

Alias /icons/ "/usr/share/apache2/icons/"

<Directory "/usr/share/apache2/icons">
    Options FollowSymlinks
    AllowOverride None
    Require all granted
</Directory>

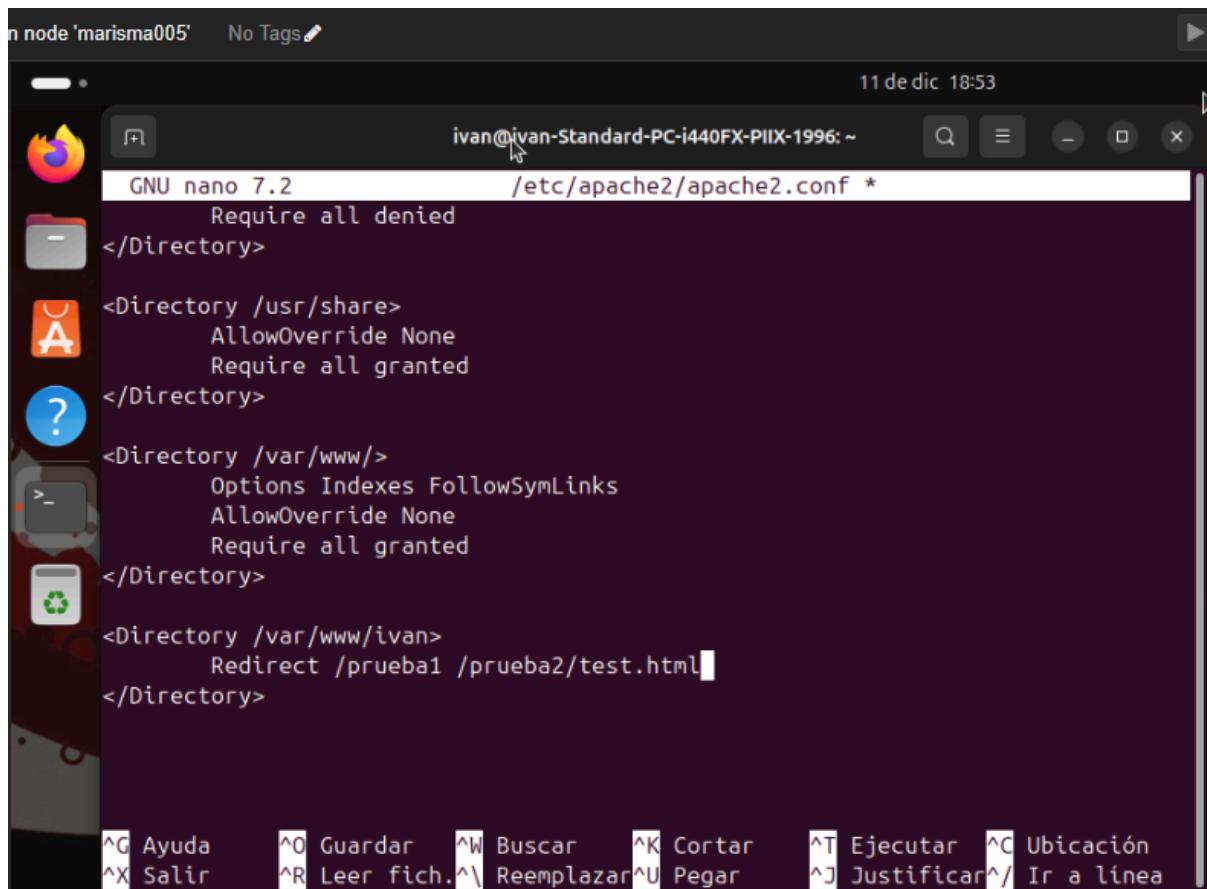
Alias /prueba/ "/home/ivan/prueba"

<Directory "/home/ivan/prueba/">
    Options FollowSymlinks
    AllowOverride None
    Require all granted
</Directory>
```

En alias.conf configuramos un nuevo alias

10. ¿Para qué sirve la directiva Options y dónde aparece. Comprueba si apache indexa los directorios. Si es así, ¿cómo lo desactivamos?

Para configurar el comportamiento dentro de un directorio. Sí indexa el contenido. Lo desactivamos en apache2.conf y vemos que en var/www quitando la línea 'Indexes' ya no aparecen los indexes.



```
GNU nano 7.2          /etc/apache2/apache2.conf *

Require all denied
</Directory>

<Directory /usr/share>
    AllowOverride None
    Require all granted
</Directory>

<Directory /var/www/>
    Options Indexes FollowSymLinks
    AllowOverride None
    Require all granted
</Directory>

<Directory /var/www/ivan>
    Redirect /prueba1 /prueba2/test.html
</Directory>
```