



Universidad Tecnológica Empresarial De Guayaquil

Facultad De Estudios Online

Unidad 1

Comunidades sostenibles y sustentables

Taller Autónomo N°1 (Ejercicio práctico)

Tema De La Actividad:

Elabora la instalación de Apache y crea una cuenta GitHub.

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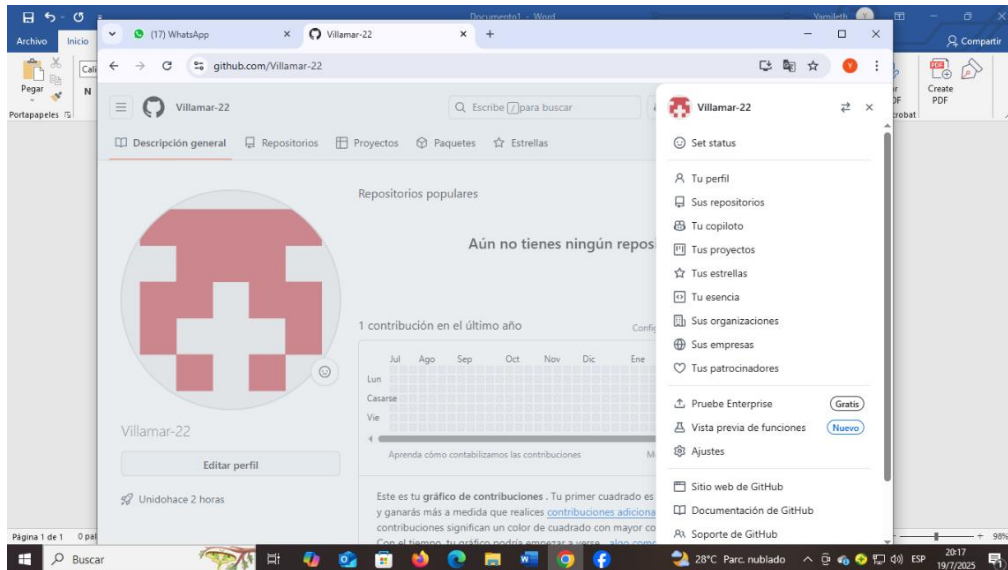
Fundamentos De Software Libre y Código Abierto

Ing. Ivan Hermosa Llanos, Mti

21 de julio 2025

CREACIÓN Y USO DE CUENTA GITHIB E INSTALACIÓN DE APACHE EN LINUX.

Realizamos la creación de nuestra cuenta en la plataforma GitHub.

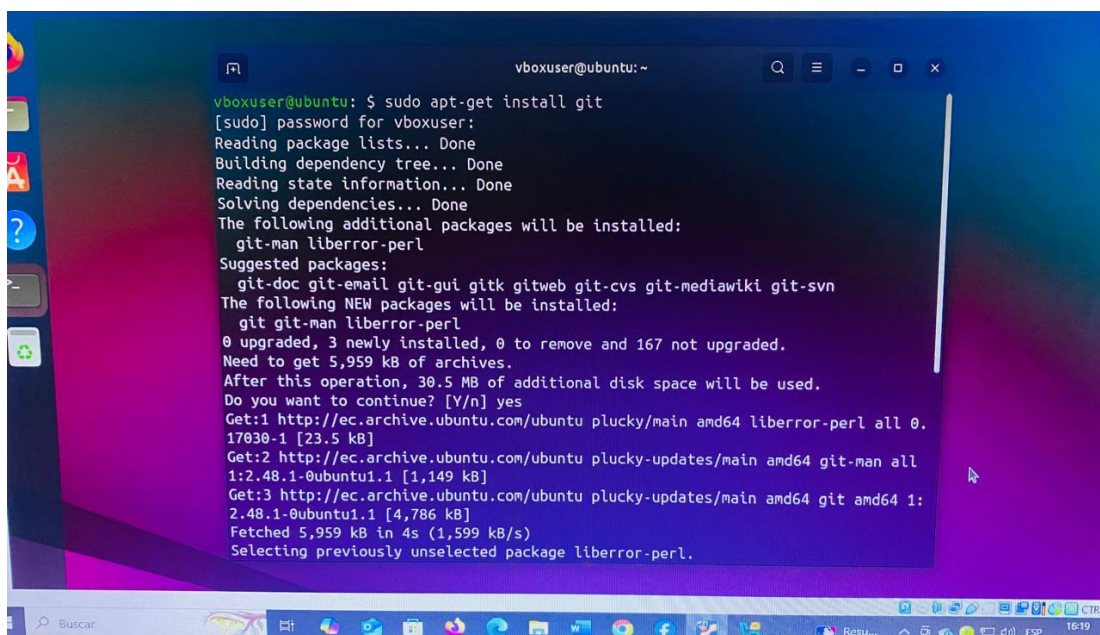


Luego acudimos a la maquina VirtualBox e ingresamos a Linux para dirigirnos a la terminal de la distribución.

Usando los siguientes comandos:

Instalación:

`Sudo apt-get install git`



Clonamos repositorio:

Sudo mkdir git

Cd git

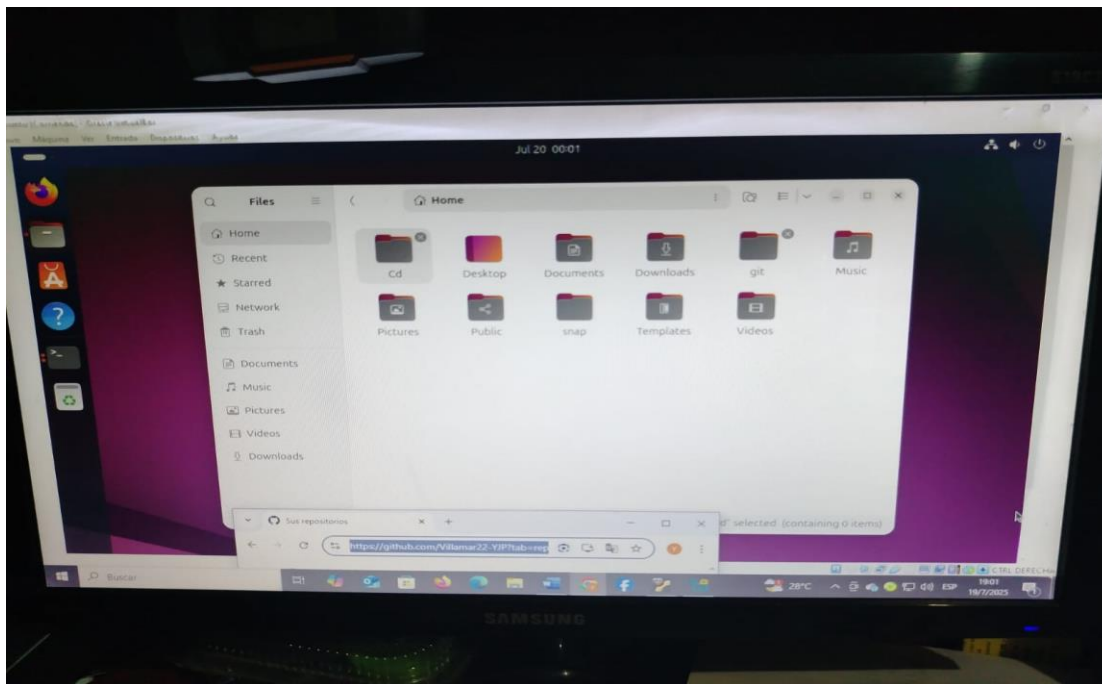
```
vboxuser@ubuntu: ~  
17030-1 [23.5 kB]  
Get:2 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 git-man all  
1:2.48.1-0ubuntu1.1 [1,149 kB]  
Get:3 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 git amd64 1:  
2.48.1-0ubuntu1.1 [4,786 kB]  
Fetched 5,959 kB in 4s (1,599 kB/s)  
Selecting previously unselected package liberror-perl.  
(Reading database ... 140486 files and directories currently installed.)  
Preparing to unpack .../liberror-perl_0.17030-1_all.deb ...  
Unpacking liberror-perl (0.17030-1) ...  
Selecting previously unselected package git-man.  
Preparing to unpack .../git-man_1%3a2.48.1-0ubuntu1.1_all.deb ...  
Unpacking git-man (1:2.48.1-0ubuntu1.1) ...  
Selecting previously unselected package git.  
Preparing to unpack .../git_1%3a2.48.1-0ubuntu1.1_amd64.deb ...  
Unpacking git (1:2.48.1-0ubuntu1.1) ...  
Setting up liberror-perl (0.17030-1) ...  
Setting up git-man (1:2.48.1-0ubuntu1.1) ...  
Setting up git (1:2.48.1-0ubuntu1.1) ...  
Processing triggers for man-db (2.13.0-1) ...  
Error: Timeout was reached  
vboxuser@ubuntu:~$ sudo mkdir git  
mkdir: cannot create directory 'git': File exists  
vboxuser@ubuntu:~$ Cd git
```

Una vez descargado el repositorio:

Sudo git code <https://github.com/Villamar-22>

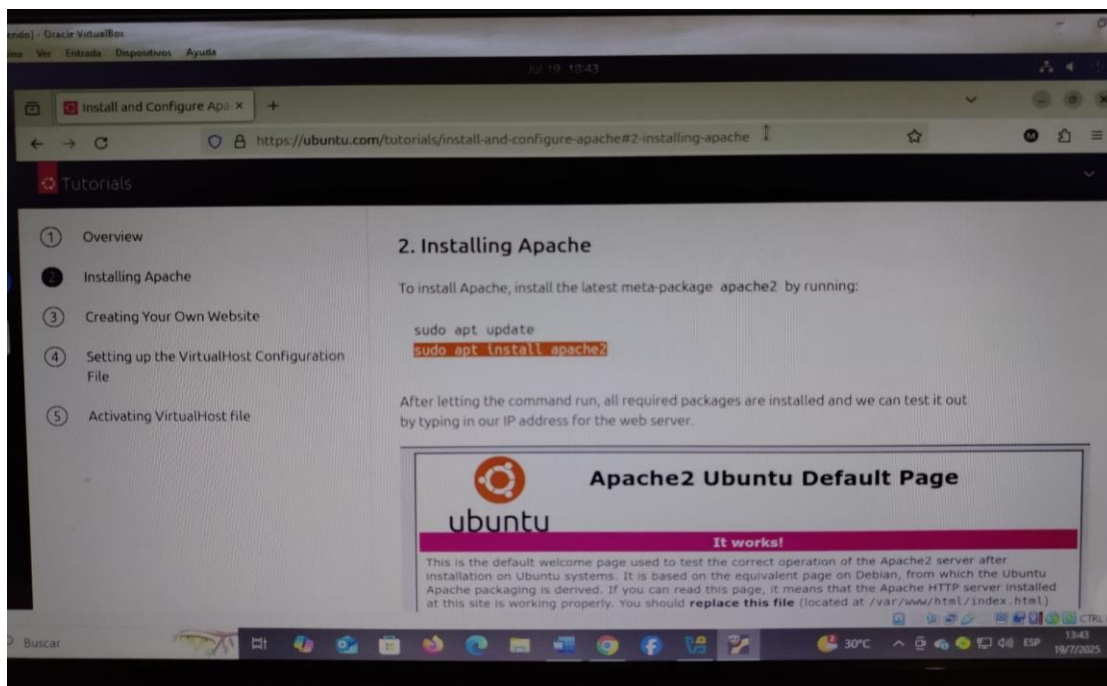
```
Jul 19 23:28  
vboxuser@ubuntu: ~  
vboxuser@ubuntu: ~/git/git  
vboxuser@ubuntu:~$ sudo apt-get install git  
[sudo] password for vboxuser:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
git is already the newest version (1:2.48.1-0ubuntu1.1).  
Solving dependencies... Done  
0 upgraded, 0 newly installed, 0 to remove and 167 not upgraded.  
vboxuser@ubuntu:~$ sudo mkdir git  
vboxuser@ubuntu:~$ cd git  
vboxuser@ubuntu:~/git$ sudo git code http://github.com/Villamar-22  
[sudo] password for vboxuser:  
git: 'code' is not a git command. See 'git --help'.  
  
The most similar command is  
clone  
vboxuser@ubuntu:~/git$ sudo mkdir git clone  
vboxuser@ubuntu:~/git$ cd git  
vboxuser@ubuntu:~/git/git$ sudo git code http://github.com/Villamar-22
```

En esta imagen logramos visualizar la carpeta del repositorio.



Una vez realizado este proceso.

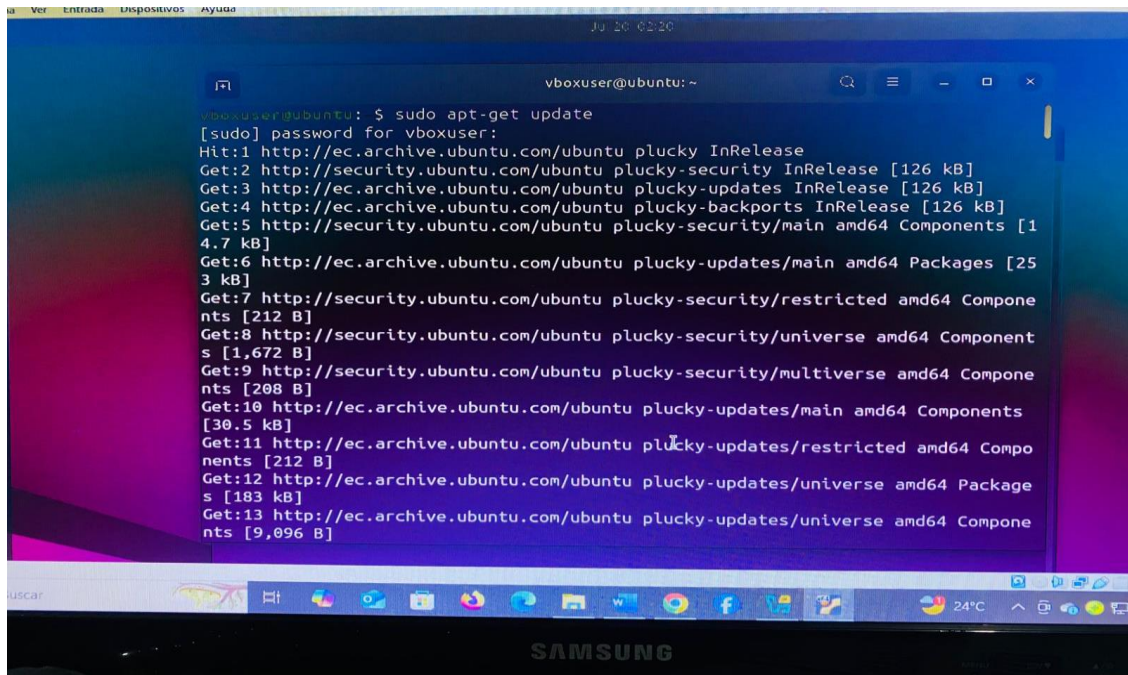
Iniciamos la instalación de Apache:



Usando los siguientes comandos:

Sudo apt-get update: actualización del sistema Linux

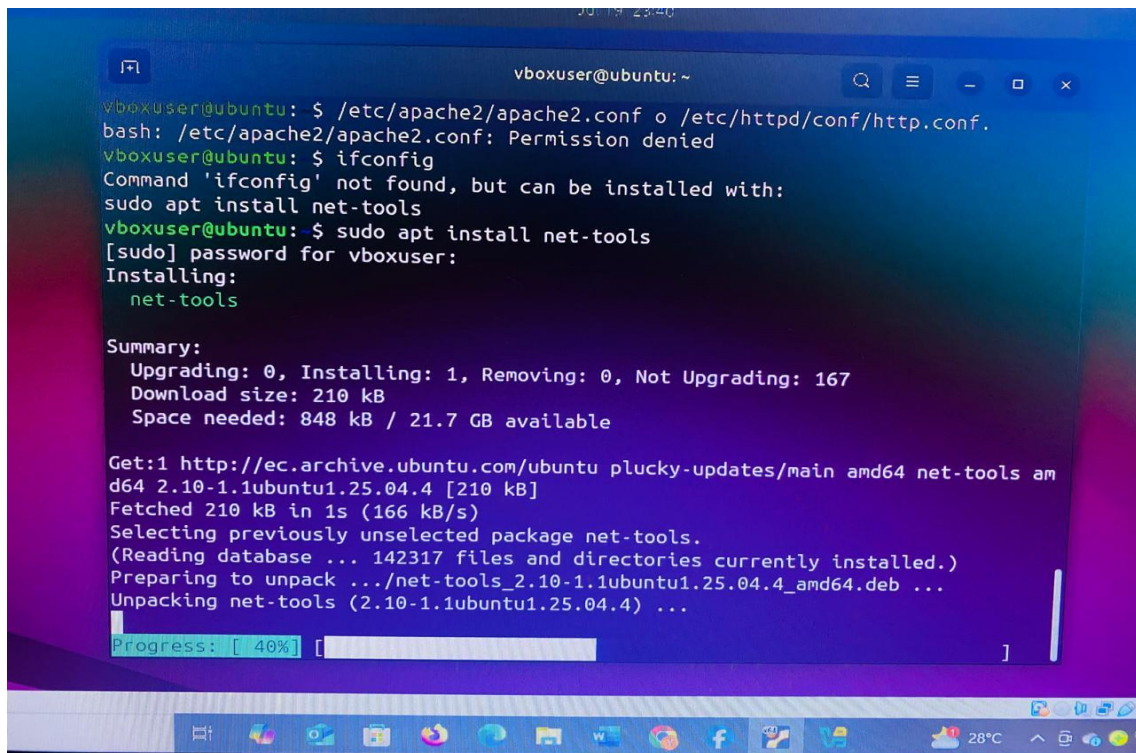
`sudo apt-get install apache2`



```
vboxuser@ubuntu: ~  
vboxuser@ubuntu: $ sudo apt-get update  
[sudo] password for vboxuser:  
Hit:1 http://ec.archive.ubuntu.com/ubuntu plucky InRelease  
Get:2 http://security.ubuntu.com/ubuntu plucky-security InRelease [126 kB]  
Get:3 http://ec.archive.ubuntu.com/ubuntu plucky-updates InRelease [126 kB]  
Get:4 http://ec.archive.ubuntu.com/ubuntu plucky-backports InRelease [126 kB]  
Get:5 http://security.ubuntu.com/ubuntu plucky-security/main amd64 Components [1  
4.7 kB]  
Get:6 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 Packages [25  
3 kB]  
Get:7 http://security.ubuntu.com/ubuntu plucky-security/restricted amd64 Compone  
nts [212 B]  
Get:8 http://security.ubuntu.com/ubuntu plucky-security/universe amd64 Component  
s [1,672 B]  
Get:9 http://security.ubuntu.com/ubuntu plucky-security/multiverse amd64 Compone  
nts [208 B]  
Get:10 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 Components  
[30.5 kB]  
Get:11 http://ec.archive.ubuntu.com/ubuntu plucky-updates/restricted amd64 Compone  
nts [212 B]  
Get:12 http://ec.archive.ubuntu.com/ubuntu plucky-updates/universe amd64 Package  
s [183 kB]  
Get:13 http://ec.archive.ubuntu.com/ubuntu plucky-updates/universe amd64 Compone  
nts [9,096 B]
```

Configuración del archivo `httpd.conf`:

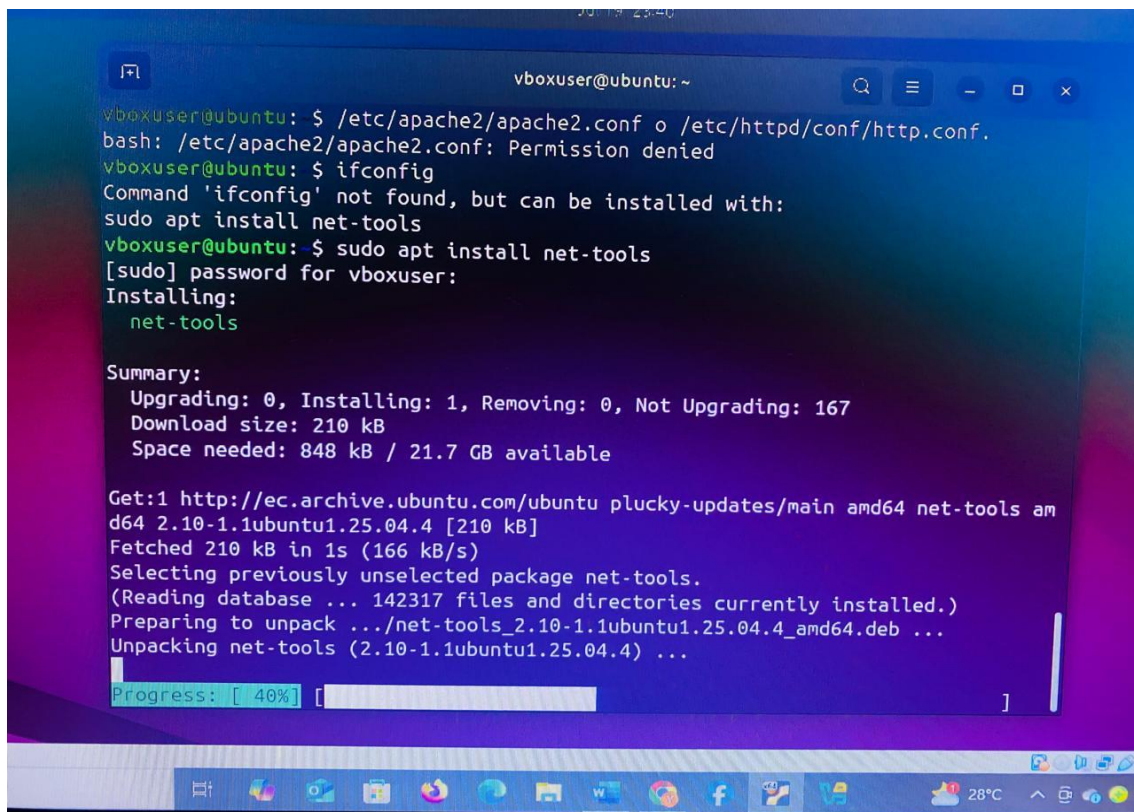
`/etc/apache2/apache2.conf` o `/etc/httpd/conf/httpd.conf`.



```
vboxuser@ubuntu: ~  
vboxuser@ubuntu: $ /etc/apache2/apache2.conf o /etc/httpd/conf/httpd.conf.  
bash: /etc/apache2/apache2.conf: Permission denied  
vboxuser@ubuntu: $ ifconfig  
Command 'ifconfig' not found, but can be installed with:  
sudo apt install net-tools  
vboxuser@ubuntu: $ sudo apt install net-tools  
[sudo] password for vboxuser:  
Installing:  
  net-tools  
  
Summary:  
  Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 167  
  Download size: 210 kB  
  Space needed: 848 kB / 21.7 GB available  
  
Get:1 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 net-tools am  
d64 2.10-1.1ubuntu1.25.04.4 [210 kB]  
Fetched 210 kB in 1s (166 kB/s)  
Selecting previously unselected package net-tools.  
(Reading database ... 142317 files and directories currently installed.)  
Preparing to unpack .../net-tools_2.10-1.1ubuntu1.25.04.4_amd64.deb ...  
Unpacking net-tools (2.10-1.1ubuntu1.25.04.4) ...  
Progress: [ 40%]
```

Modificar la directiva `DocumentRoot`:

DocumentRoot "/var/www/html/mi_sitio"

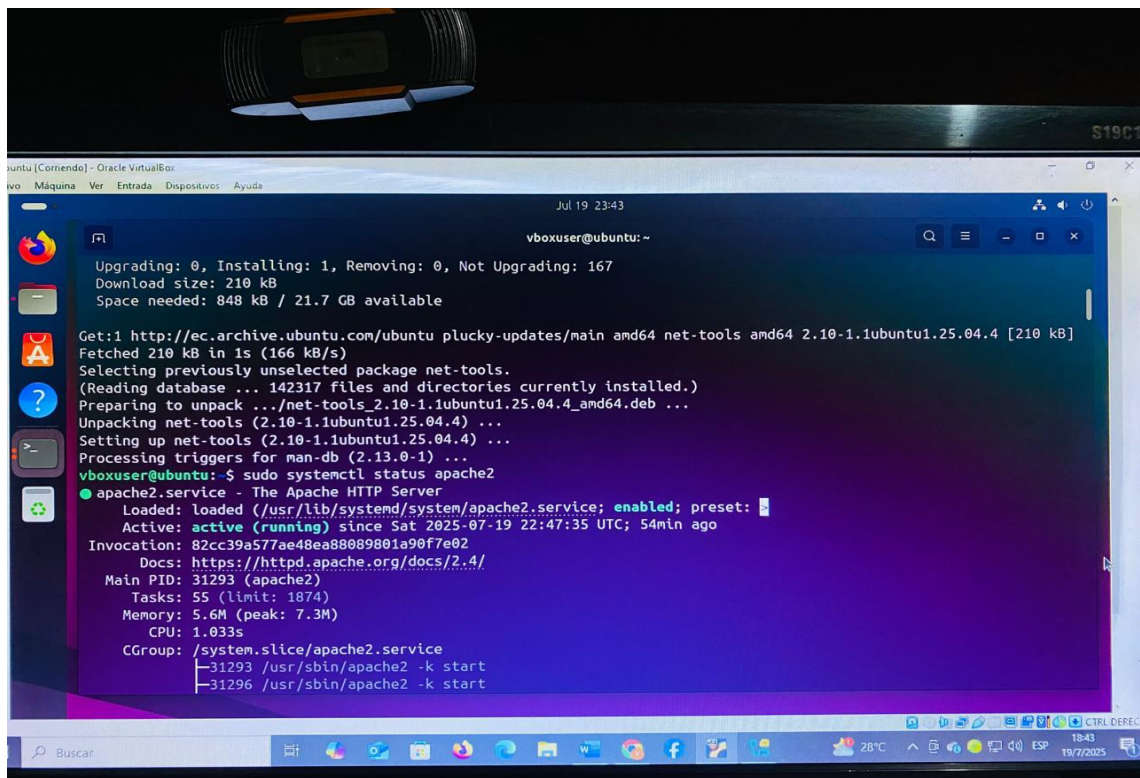


A terminal window titled 'vboxuser@ubuntu: ~' showing the installation of net-tools. The user attempts to edit /etc/apache2/apache2.conf but is denied permission. They then try to run 'ifconfig' but it's not found. They install net-tools using 'sudo apt install net-tools'. The terminal shows the progress of the installation, including downloading the package and unpacking it. A progress bar at the bottom indicates 40% completion.

```
vboxuser@ubuntu: ~  
vboxuser@ubuntu: $ /etc/apache2/apache2.conf o /etc/httpd/conf/http.conf.  
bash: /etc/apache2/apache2.conf: Permission denied  
vboxuser@ubuntu: $ ifconfig  
Command 'ifconfig' not found, but can be installed with:  
sudo apt install net-tools  
vboxuser@ubuntu: $ sudo apt install net-tools  
[sudo] password for vboxuser:  
Installing:  
net-tools  
  
Summary:  
Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 167  
Download size: 210 kB  
Space needed: 848 kB / 21.7 GB available  
  
Get:1 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 net-tools am  
d64 2.10-1.1ubuntu1.25.04.4 [210 kB]  
Fetched 210 kB in 1s (166 kB/s)  
Selecting previously unselected package net-tools.  
(Reading database ... 142317 files and directories currently installed.)  
Preparing to unpack .../net-tools_2.10-1.1ubuntu1.25.04.4_amd64.deb ...  
Unpacking net-tools (2.10-1.1ubuntu1.25.04.4) ...  
Progress: [ 40% ]
```

Reiniciamos Apache:

sudo systemctl restart apache2



A terminal window titled 'vboxuser@ubuntu: ~' showing the status of the apache2.service. The user has installed net-tools and is now checking the status of the Apache service. The terminal shows the service is loaded and active (running). It also displays the service's configuration, including the main PID, tasks, memory, CPU, and cgroup.

```
vboxuser@ubuntu: ~  
Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 167  
Download size: 210 kB  
Space needed: 848 kB / 21.7 GB available  
  
Get:1 http://ec.archive.ubuntu.com/ubuntu plucky-updates/main amd64 net-tools amd64 2.10-1.1ubuntu1.25.04.4 [210 kB]  
Fetched 210 kB in 1s (166 kB/s)  
Selecting previously unselected package net-tools.  
(Reading database ... 142317 files and directories currently installed.)  
Preparing to unpack .../net-tools_2.10-1.1ubuntu1.25.04.4_amd64.deb ...  
Unpacking net-tools (2.10-1.1ubuntu1.25.04.4) ...  
Setting up net-tools (2.10-1.1ubuntu1.25.04.4) ...  
Processing triggers for man-db (2.13.0-1) ...  
vboxuser@ubuntu: $ sudo systemctl status apache2  
● apache2.service - The Apache HTTP Server  
Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset:   
Active: active (running) since Sat 2025-07-19 22:47:35 UTC; 54min ago  
Invocation: 82cc39a577ae48ea88089801a90f7e02  
Docs: https://httpd.apache.org/docs/2.4/  
Main PID: 31293 (apache2)  
Tasks: 55 (limit: 1874)  
Memory: 5.6M (peak: 7.3M)  
CPU: 1.033s  
CGroup: /system.slice/apache2.service  
├─31293 /usr/sbin/apache2 -k start  
└─31296 /usr/sbin/apache2 -k start
```


Probamos la configuración: Abrimos el navegador web y navegamos a `http://localhost`.

