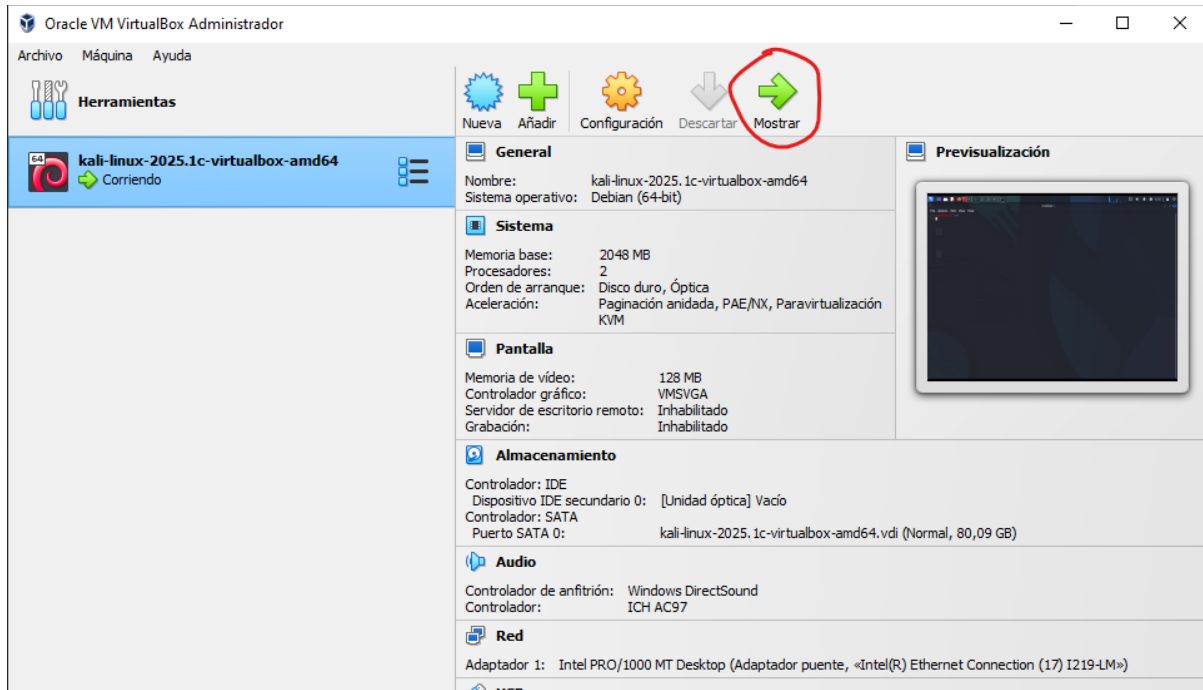
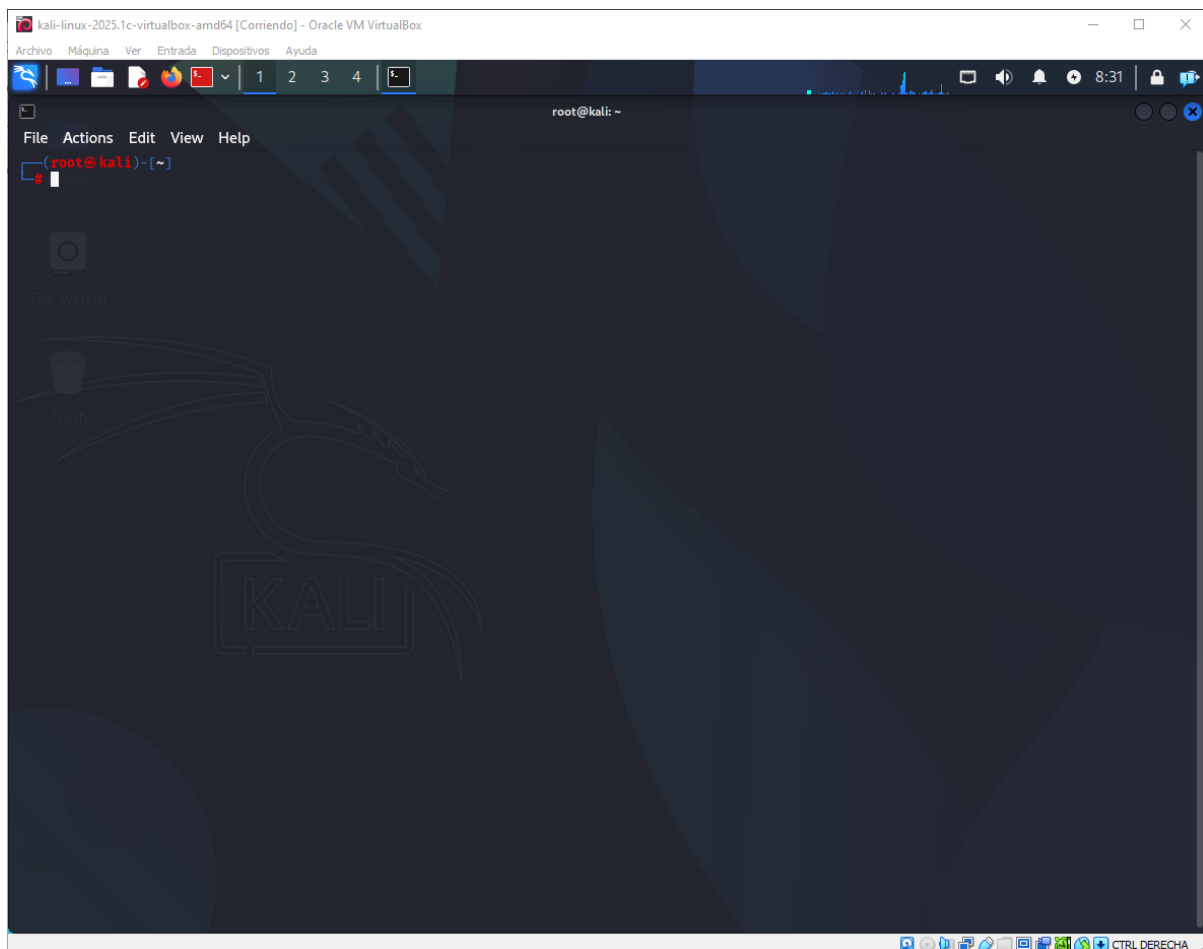


Laboratorio 20 y 21

Abrimos Virtual box e iniciamos Kali linux

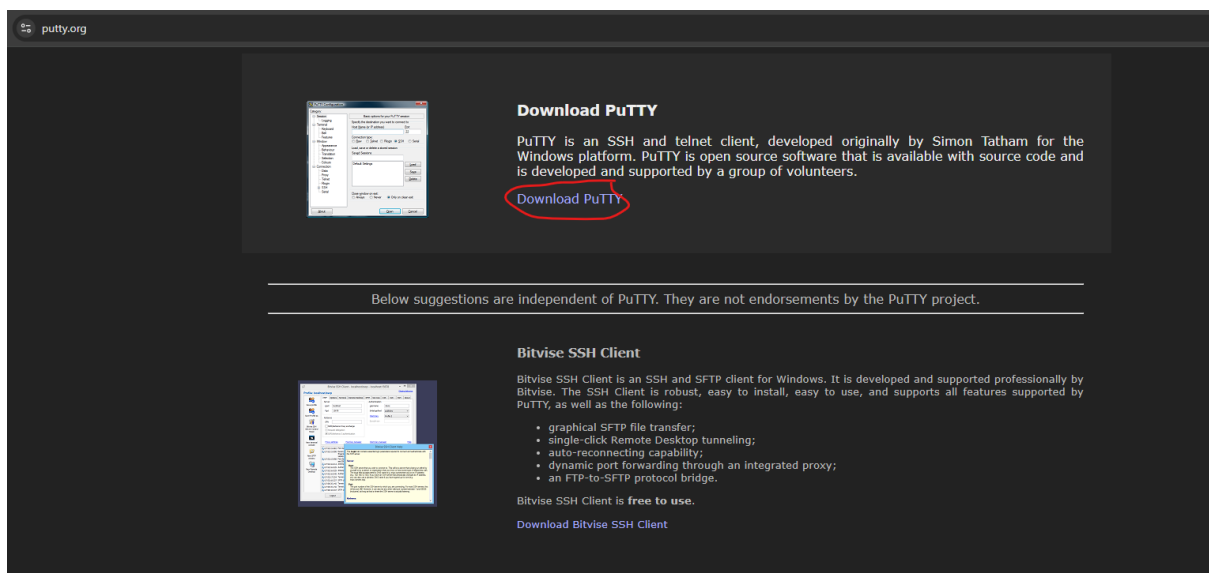


Despues de que inicie Kali linux Abrimos la terminal en root



```
(root@kali)-[/home/kali/Desktop]
# apt update
Get:1 http://mirrors.jevincanders.net/kali kali-rolling InRelease [41.5 kB]
Get:2 http://mirrors.jevincanders.net/kali kali-rolling/main amd64 Packages [21.0 MB]
Get:3 http://mirrors.jevincanders.net/kali kali-rolling/main amd64 Contents (deb) [51.9 MB]
Ign:3 http://mirrors.jevincanders.net/kali kali-rolling/main amd64 Contents (deb)
Get:4 http://mirrors.jevincanders.net/kali kali-rolling/contrib amd64 Packages [121 kB]
Ign:4 http://mirrors.jevincanders.net/kali kali-rolling/contrib amd64 Packages
Get:5 http://mirrors.jevincanders.net/kali kali-rolling/contrib amd64 Contents (deb) [327 kB]
Ign:5 http://mirrors.jevincanders.net/kali kali-rolling/contrib amd64 Contents (deb)
Get:6 http://mirrors.jevincanders.net/kali kali-rolling/non-free amd64 Packages [204 kB]
Ign:6 http://mirrors.jevincanders.net/kali kali-rolling/non-free amd64 Packages
Get:7 http://mirrors.jevincanders.net/kali kali-rolling/non-free amd64 Contents (deb) [915 kB]
Get:8 http://mirrors.jevincanders.net/kali kali-rolling/non-free-firmware amd64 Packages [10.6 kB]
Get:9 http://mirrors.jevincanders.net/kali kali-rolling/non-free-firmware amd64 Contents (deb) [24.3 kB]
Get:3 http://mirrors.jevincanders.net/kali kali-rolling/main amd64 Contents (deb) [51.9 MB]
Get:4 http://mirrors.jevincanders.net/kali kali-rolling/contrib amd64 Packages [121 kB]
Get:5 http://mirrors.jevincanders.net/kali kali-rolling/contrib amd64 Contents (deb) [327 kB]
Get:6 http://mirrors.jevincanders.net/kali kali-rolling/non-free amd64 Packages [204 kB]
Fetched 56.1 MB in 2min 38s (356 kB/s)
1260 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Mientras esperamos a que se actualicen los paquetes descargamos e instalamos putty en Windows



Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the new and slightly experimental Windows pterm).

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge download at the [Microsoft Store](#); they usually take a few days to appear there after we release them.

MSI ('Windows Installer')

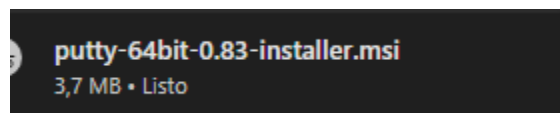
64-bit x86: [putty-64bit-0.83-installer.msi](#) ([signature](#))


64-bit Arm: [putty-arm64-0.83-installer.msi](#) ([signature](#))

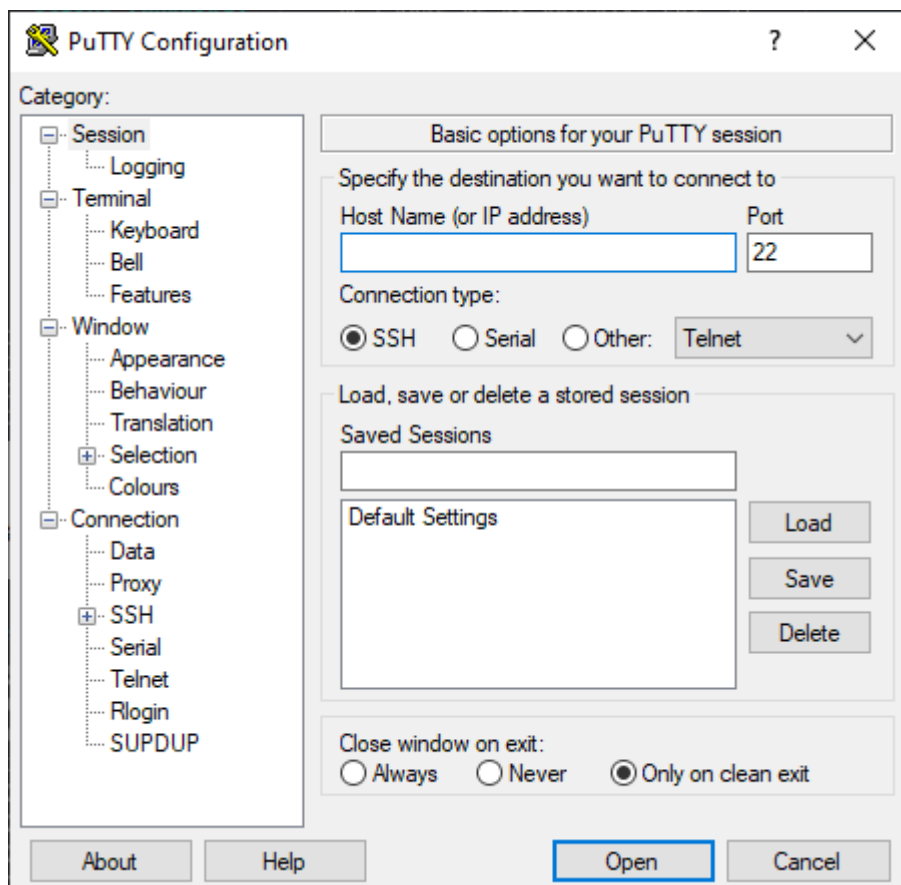
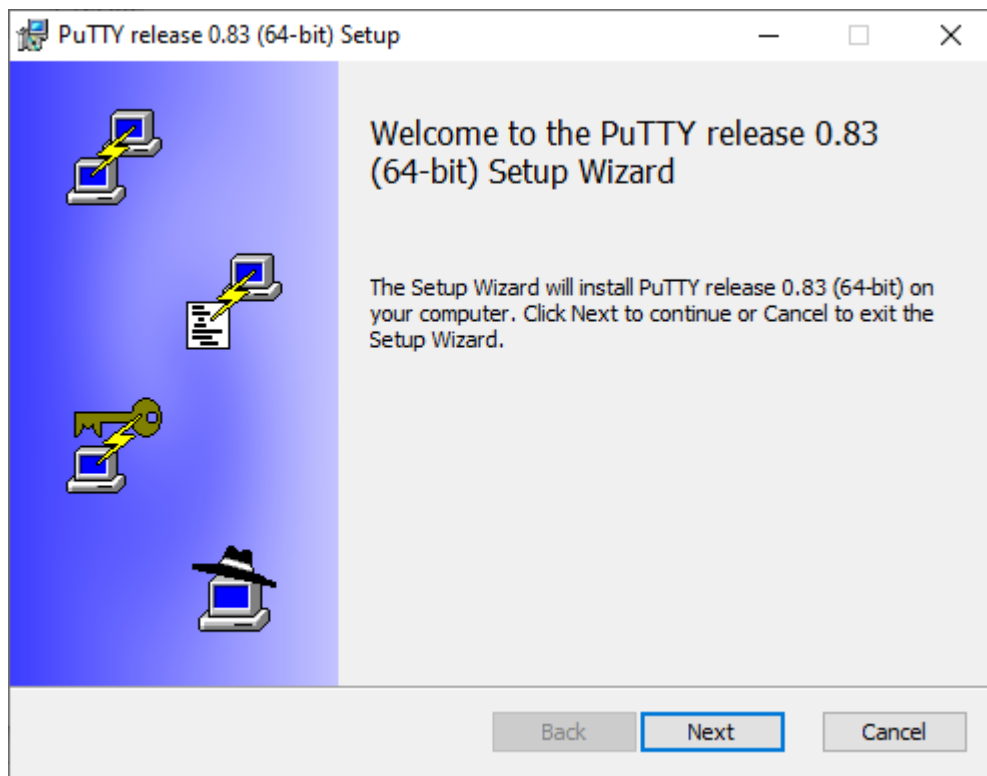
32-bit x86: [putty-0.83-installer.msi](#) ([signature](#))

Unix source archive

.tar.gz: [putty-0.83.tar.gz](#) ([signature](#))



 putty-64bit-0.83-installer	21/05/2025 7:41 a. m.	Paquete de Windo...	3.742 KB
--	-----------------------	---------------------	----------



Volvemos a Kali linux y realizamos los siguientes comandos

sudo install openssh-server -y

```
(root@kali)-[/home/kali/Desktop]
# sudo apt install openssh-server -y
Upgrading:
  openssh-client  openssh-client-gssapi  openssh-server  openssh-sftp-server

Summary:
  Upgrading: 4, Installing: 0, Removing: 0, Not Upgrading: 1256
  Download size: 1,686 kB
  Freed space: 38.9 kB

Get:3 http://kali.darklab.sh/kali kali-rolling/main amd64 openssh-client amd64 1:9.9p2-2 [968 kB]
Get:2 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 openssh-server amd64 1:9.9p2-2 [523 kB]
Ign:2 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 openssh-server amd64 1:9.9p2-2
Get:2 http://mirror.math.princeton.edu/pub/kali kali-rolling/main amd64 openssh-server amd64 1:9.9p2-2 [523 kB]
Get:3 http://kali.darklab.sh/kali kali-rolling/main amd64 openssh-client amd64 1:9.9p2-2
Ign:3 http://kali.darklab.sh/kali kali-rolling/main amd64 openssh-client amd64 1:9.9p2-2
Get:1 http://mirror.ufro.cl/kali kali-rolling/main amd64 openssh-sftp-server amd64 1:9.9p2-2 [65.4 kB]
Get:3 http://kali.darklab.sh/kali kali-rolling/main amd64 openssh-client amd64 1:9.9p2-2 [968 kB]
Ign:3 http://kali.darklab.sh/kali kali-rolling/main amd64 openssh-client amd64 1:9.9p2-2
Ign:1 http://mirror.ufro.cl/kali kali-rolling/main amd64 openssh-sftp-server amd64 1:9.9p2-2
Get:4 http://mirror.ufro.cl/kali kali-rolling/main amd64 openssh-client-gssapi all 1:9.9p2-2 [130 kB]
Get:3 http://kali.darklab.sh/kali kali-rolling/main amd64 openssh-client amd64 1:9.9p2-2 [968 kB]
Ign:4 http://mirror.ufro.cl/kali kali-rolling/main amd64 openssh-client-gssapi all 1:9.9p2-2
Get:1 http://mirror.ufro.cl/kali kali-rolling/main amd64 openssh-sftp-server amd64 1:9.9p2-2 [65.4 kB]
Get:4 http://mirror.ufro.cl/kali kali-rolling/main amd64 openssh-client-gssapi all 1:9.9p2-2 [130 kB]
Fetched 824 kB in 1min 44s (7,955 B/s)
Preconfiguring packages ...
(Reading database ... 408558 files and directories currently installed.)
Preparing to unpack .../openssh-sftp-server_1%3a9.9p2-2_amd64.deb ...
Unpacking openssh-sftp-server (1:9.9p2-2) over (1:9.9p1-3) ...
Preparing to unpack .../openssh-server_1%3a9.9p2-2_amd64.deb ...
Unpacking openssh-server (1:9.9p2-2) over (1:9.9p1-3) ...
Preparing to unpack .../openssh-client_1%3a9.9p2-2_amd64.deb ...
Unpacking openssh-client (1:9.9p2-2) over (1:9.9p1-3) ...
Preparing to unpack .../openssh-client-gssapi_1%3a9.9p2-2_all.deb ...
Unpacking openssh-client-gssapi (1:9.9p2-2) over (1:9.9p1-3) ...
Setting up openssh-client (1:9.9p2-2) ...
Setting up openssh-client-gssapi (1:9.9p2-2) ...
Setting up openssh-sftp-server (1:9.9p2-2) ...
Setting up openssh-server (1:9.9p2-2) ...
ssh.service is a disabled or a static unit not running, not starting it.
ssh.socket is a disabled or a static unit not running, not starting it.
Processing triggers for man-db (2.13.0-1) ...
Processing triggers for kali-menu (2025.1.1) ...
Processing triggers for ufw (0.36.2-9) ...
```

sudo systemctl status ssh

```
(root@kali)-[/home/kali/Desktop]
# sudo systemctl status ssh
o ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:sshd(8)
           man:sshd_config(5)
```

Podemos observar que el status de ssh está deshabilitado, lo habilitamos con:

Sudo systemctl enable ssh

```
(root@kali)-[/home/kali/Desktop]
# sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
Created symlink '/etc/systemd/system/ssh.service' → '/usr/lib/systemd/system/ssh.service'.
Created symlink '/etc/systemd/system/multi-user.target.wants/ssh.service' → '/usr/lib/systemd/system/ssh.service'.
```

Sudo systemctl start ssh

```
(root@kali)-[/home/kali/Desktop]
# sudo systemctl start ssh
```

Ahora revisamos el estado del ssh

```
(root@kali)-[/home/kali/Desktop]
# sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: disabled)
   Active: active (running) since Wed 2025-05-21 08:52:17 EDT; 24s ago
     Invocation: 1148d380a1f94fec8ec40847087e6dcf
       Docs: man:sshd(8)
             man:sshd_config(5)
    Process: 12886 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 12896 (sshd)
      Tasks: 1 (limit: 2210)
     Memory: 1.6M (peak: 2.1M)
        CPU: 22ms
    CGroup: /system.slice/ssh.service
            └─12896 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

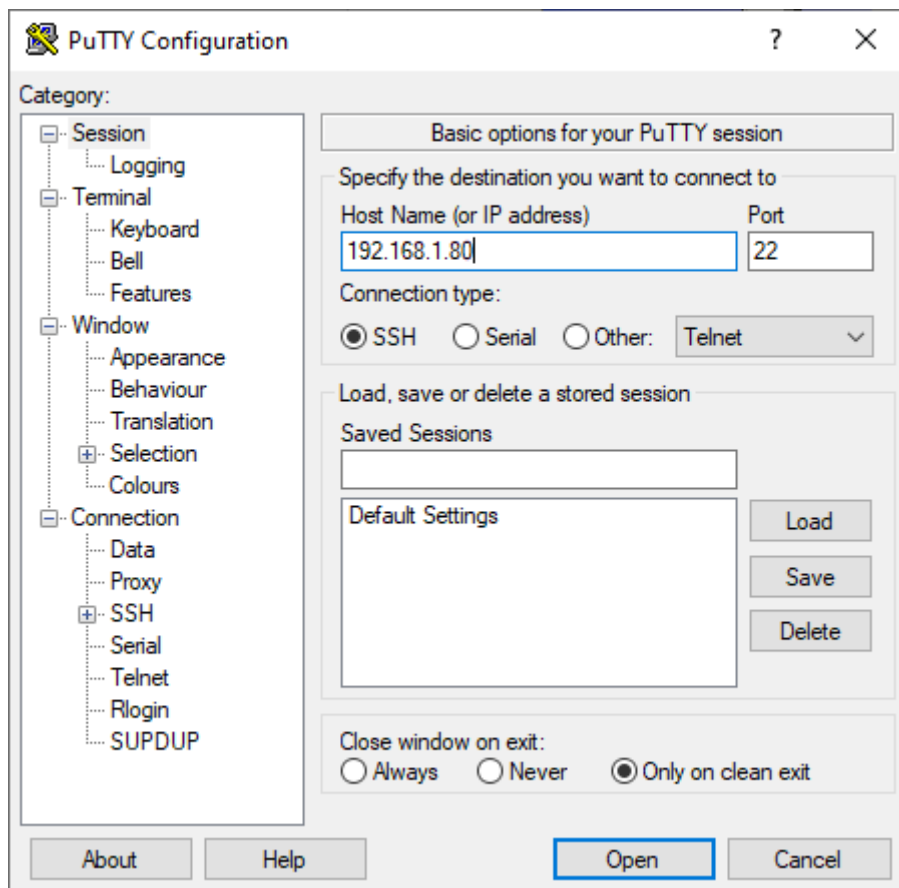
May 21 08:52:16 kali systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
May 21 08:52:17 kali sshd[12896]: Server listening on 0.0.0.0 port 22.
May 21 08:52:17 kali sshd[12896]: Server listening on :: port 22.
May 21 08:52:17 kali systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
```

Luego realizamos ifconfig

```
(root@kali)-[/home/kali/Desktop]
# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.80 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::c146:4eb7:b234:8ed4 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:b4:a1:05 txqueuelen 1000 (Ethernet)
    RX packets 54892 bytes 80307252 (76.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 13427 bytes 910391 (889.0 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 8 bytes 480 (480.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8 bytes 480 (480.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Con la ip que obtuvimos lo ingresamos en **Putty** y hacemos clic en **Open**



Ingresamos usando el usuario de **Kali Linux**

```
kali@kali: ~  
login as: kali  
kali@192.168.1.80's password:  
Linux kali 6.12.13-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.12.13-1kali1 (2025-02-11)  
x86_64  
  
The programs included with the Kali GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
(kali@kali)~$
```