

## 10.- Con el uso de sus máquinas virtuales, realice la comunicación ssh entre la maquina Windows y Linux.

Primeramente descargamos e instalamos PuTTY desde su sitio oficial. <https://www.putty.org/>

### Download PuTTY: latest release (0.81)

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This page contains download links for the latest released version of PuTTY. Currently this is 0.81, released on 2024-04-15.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a [permanent link to the 0.81 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem has already been fixed in those versions.

#### 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.

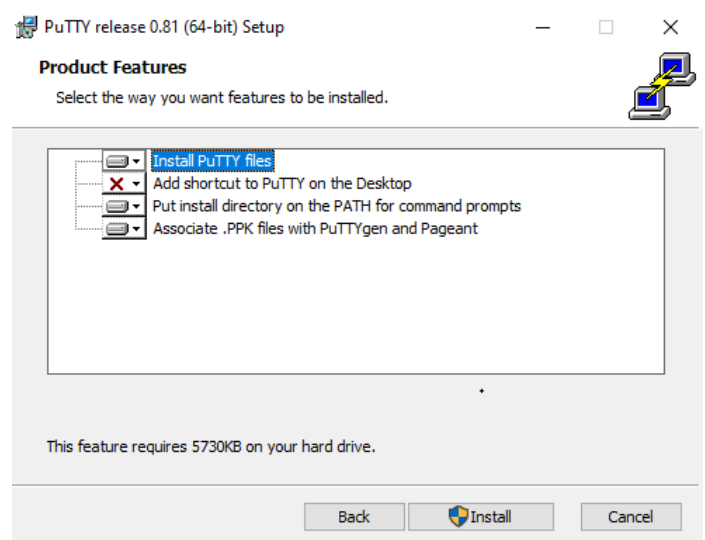
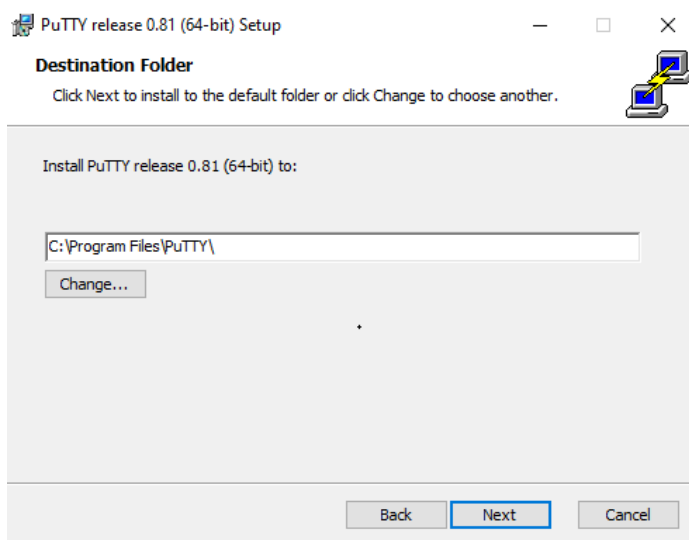
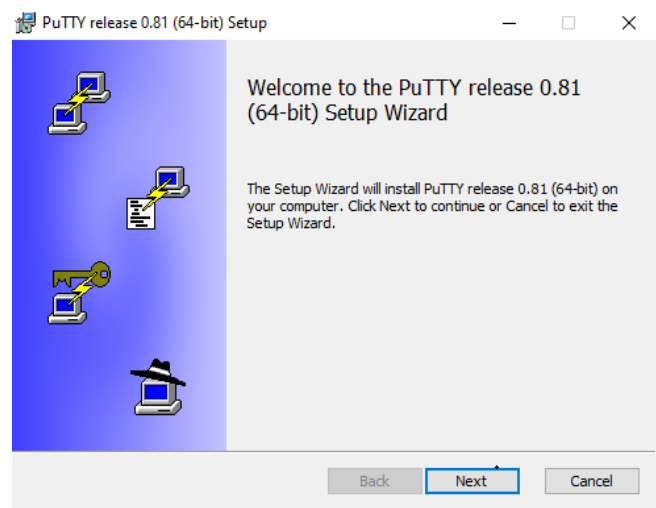
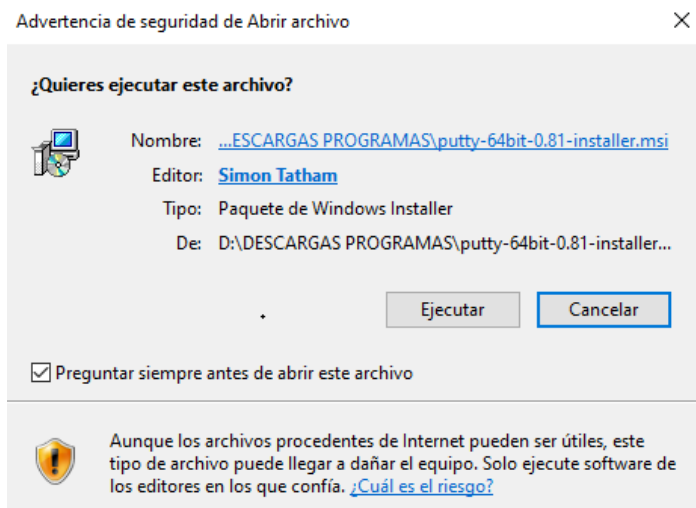
#### MSI ("Windows Installer")

64-bit x86: [putty-64bit-0.81-installer.msi](#) (signature)  
64-bit Arm: [putty-arm64-0.81-installer.msi](#) (signature)  
32-bit x86: [putty-0.81-installer.msi](#) (signature)

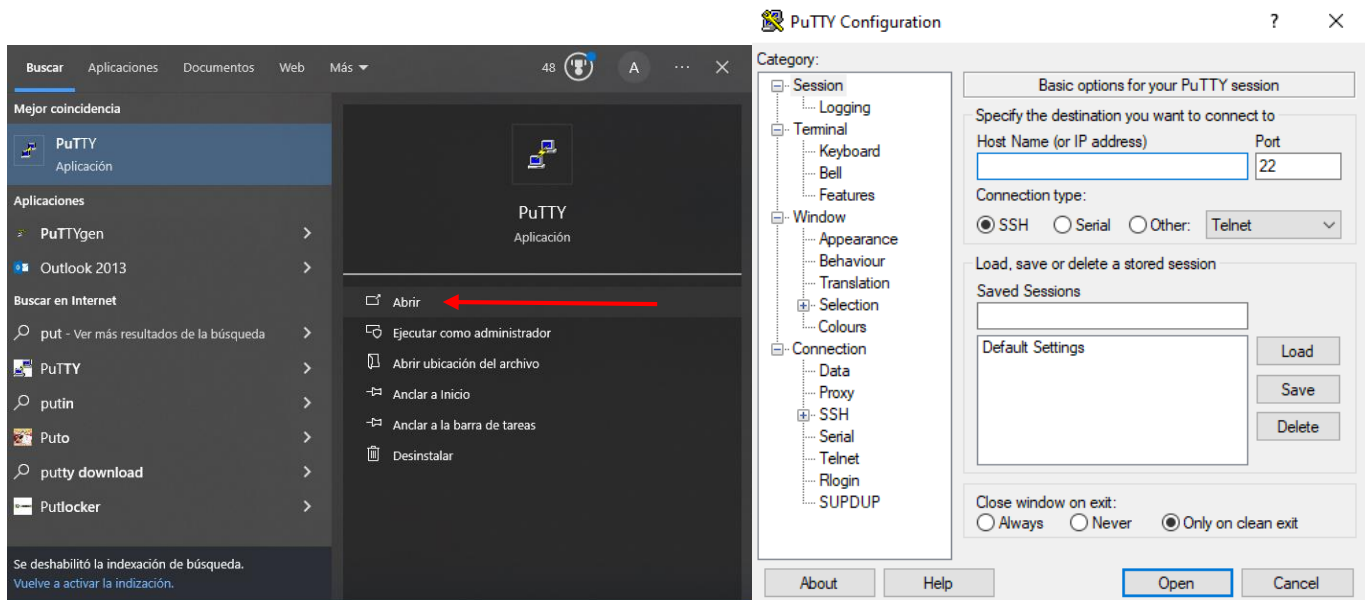
#### Unix source archive

.tar.gz: [putty-0.81.tar.gz](#) (signature)

## Instalamos el programa



Abrimos la aplicación Putty



Luego en la máquina de debían instalamos ssh-server. Para esto utilizaremos estos comandos:

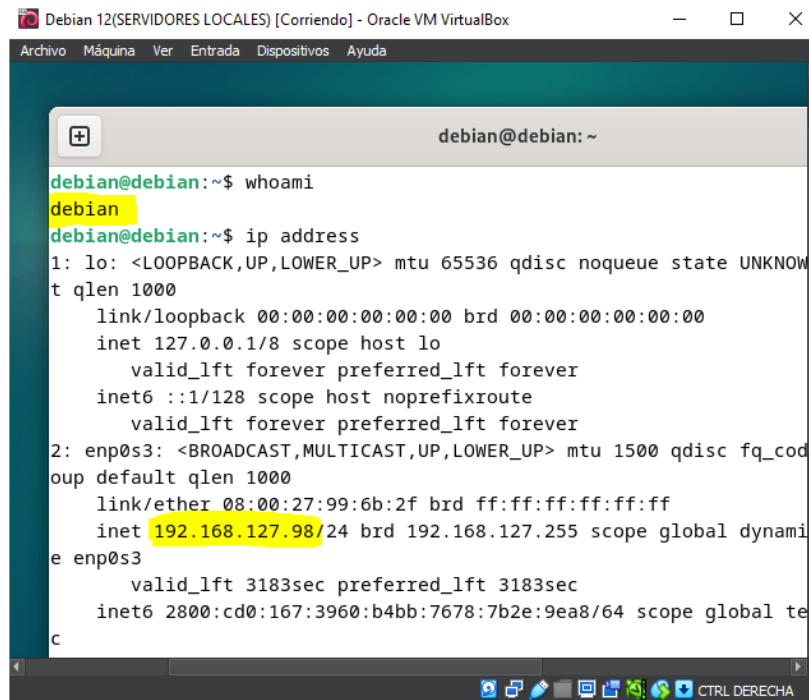
**su apt update**

**su apt install openssh-server**

**su systemctl start ssh**

```
debian@debian: ~  
root@debian:/home/debian# apt update  
Obj:1 http://security.debian.org/debian-security bookworm-security InRelease  
Obj:2 http://deb.debian.org/debian bookworm InRelease  
Obj:3 http://deb.debian.org/debian bookworm-updates InRelease  
Leyendo lista de paquetes... Hecho  
Creando árbol de dependencias... Hecho  
Leyendo la información de estado... Hecho  
Todos los paquetes están actualizados.  
root@debian:/home/debian# apt install openssh-server  
Leyendo lista de paquetes... Hecho  
Creando árbol de dependencias... Hecho  
Leyendo la información de estado... Hecho  
openssh-server ya está en su versión más reciente (1:9.2p1-2+deb12u3).  
Los paquetes indicados a continuación se instalaron de forma automática y ya no  
son necesarios.  
libdbus-glib-1-2 libwpe-1.0-1 libwpebackend-fdo-1.0-1  
linux-image-6.1.0-10-amd64  
Utilice «apt autoremove» para eliminarlos.  
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 0 no actualizados.  
root@debian:/home/debian# systemctl start ssh  
root@debian:/home/debian# systemctl status ssh  
• ssh.service - OpenBSD Secure Shell server  
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; preset: enabled)  
   Active: active (running) since Thu 2024-10-10 21:14:45 -04; 5min ago  
     Docs: man:sshd(8)  
           man:sshd_config(5)  
  Process: 546 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)  
    Main PID: 591 (sshd)
```

En nuestra máquina virtual Linux (Debian), debemos saber la dirección IP y el nombre del usuario. Para lo cual utilizaremos los comando **Whoami** e **Ip address**.

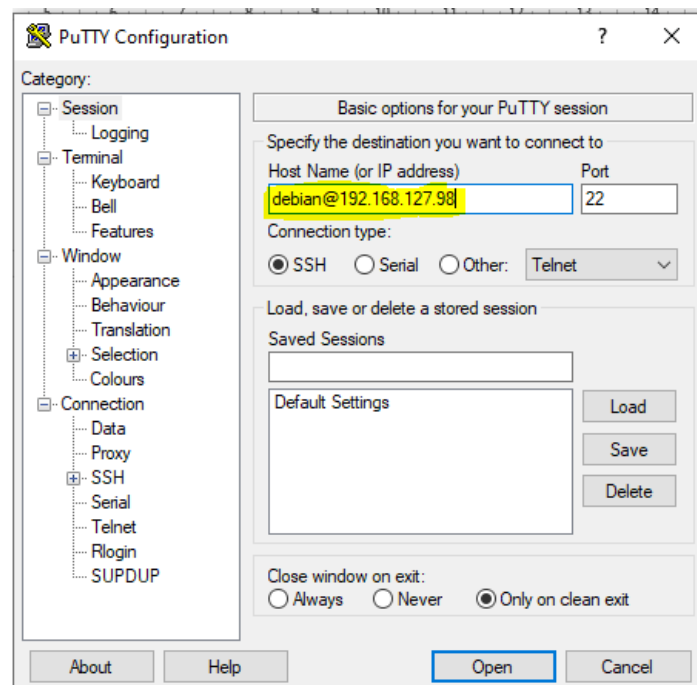


```
Debian 12(SERVIDORES LOCALES) [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

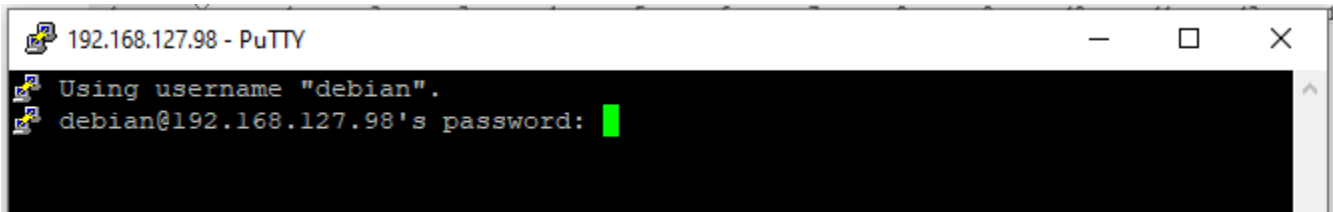
debian@debian: ~

debian@debian:~$ whoami
debian
debian@debian:~$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel
    link/ether 08:00:27:99:6b:2f brd ff:ff:ff:ff:ff:ff
    inet 192.168.127.98/24 brd 192.168.127.255 scope global dynamic
        valid_lft 3183sec preferred_lft 3183sec
    inet6 2800:cd0:167:3960:b4bb:7678:7b2e:9ea8/64 scope global tentative
```

Con esos datos ya podemos hacer la conexión con el programa Putty.

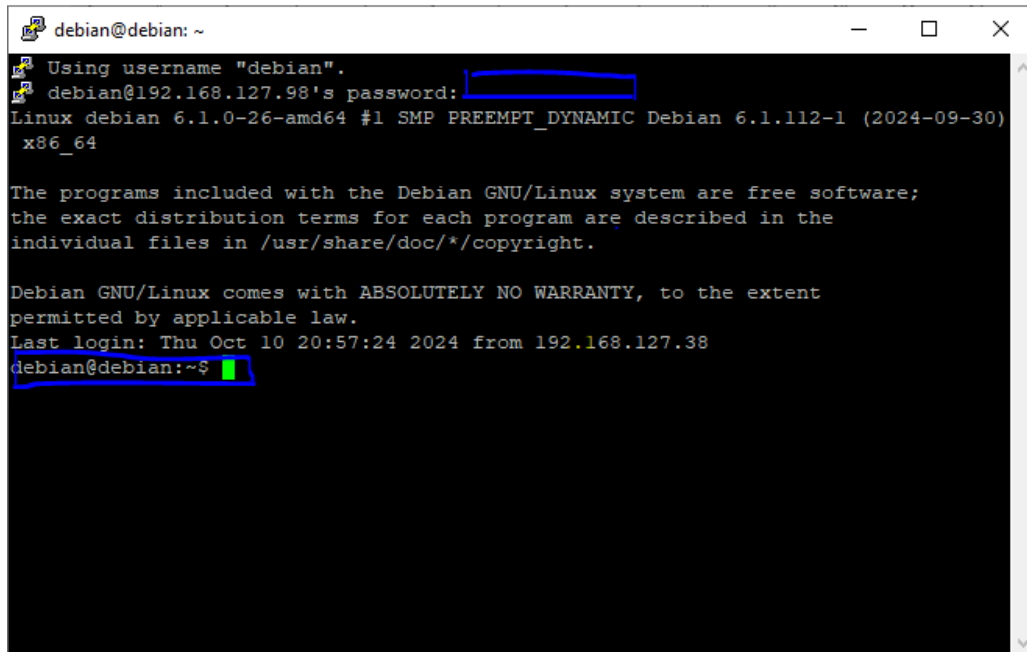


Luego nos pedirá la contraseña del usuario Debian



```
192.168.127.98 - PuTTY
Using username "debian".
debian@192.168.127.98's password: 
```

Una vez que ingresado la contraseña, ya se puede acceder a la máquina de debían a través de SSH

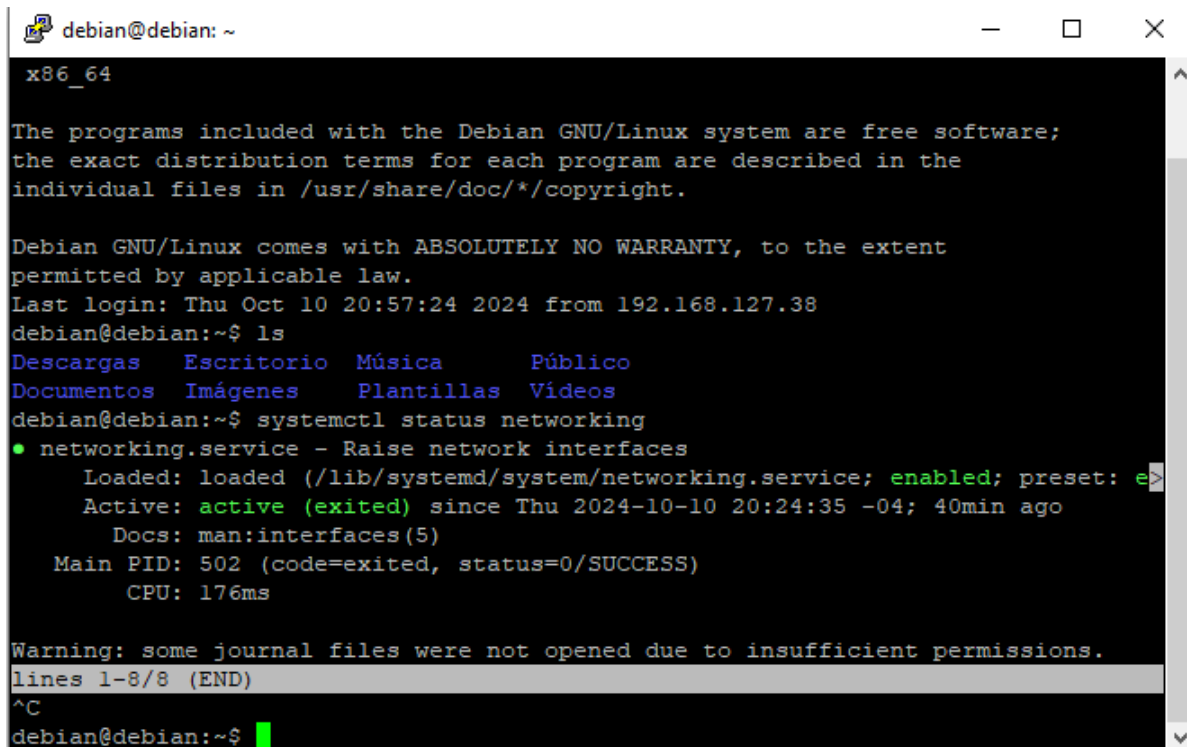


```
debian@debian: ~
Using username "debian".
debian@192.168.127.98's password: 
Linux debian 6.1.0-26-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.112-1 (2024-09-30)
x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Oct 10 20:57:24 2024 from 192.168.127.38
debian@debian:~$ 
```

Realizamos algunas pruebas con algunos comandos:



```
debian@debian: ~
x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Oct 10 20:57:24 2024 from 192.168.127.38
debian@debian:~$ ls
Descargas  Escritorio  Música      Público
Documentos Imágenes    Plantillas  Videos
debian@debian:~$ systemctl status networking
● networking.service - Raise network interfaces
   Loaded: loaded (/lib/systemd/system/networking.service; enabled; preset: e
   Active: active (exited) since Thu 2024-10-10 20:24:35 -04; 40min ago
     Docs: man:interfaces(5)
   Main PID: 502 (code=exited, status=0/SUCCESS)
    CPU: 176ms

Warning: some journal files were not opened due to insufficient permissions.
lines 1-8/8 (END)
^C
debian@debian:~$ 
```