

## 1. Crear el par clave pública/privada del cliente.

```
sebas@SebasUbuntuPC:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/sebas/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/sebas/.ssh/id_rsa
Your public key has been saved in /home/sebas/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:ML+i/UKap5kBU67/6B+pUdmHt9MbXe9m53M72oR3oks sebas@SebasUbuntuPC
The key's randomart image is:
+---[RSA 3072]---+
|
| . o
| o * .
| o . o S o .
| + ... + o ....
| . o++ . o E.ooo
| .oXoo o +=*
| .X=+o. +o.*O
+-----[SHA256]-----+
sebas@SebasUbuntuPC:~$
```

## 2. Enviar la clave pública del cliente al servidor ssh.

```
sebas@SebasUbuntuPC:~$ ssh-copy-id usuario@127.0.0.1 -p 2222
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys

Sebas Server

usuario@127.0.0.1's password:
Permission denied, please try again.
usuario@127.0.0.1's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh -p '2222' 'usuario@127.0.0.1'"
and check to make sure that only the key(s) you wanted were added.

sebas@SebasUbuntuPC:~$
```

```
sebas@SebasUbuntuPC:~$ ssh-add
Identity added: /home/sebas/.ssh/id_rsa (sebas@SebasUbuntuPC)
sebas@SebasUbuntuPC:~$
```

### 3. Establecer la conexión sin falta de introducir usuario y contraseña.

(no pide contraseña)

```
sebas@SebasUbuntuPC:~$ ssh usuario@127.0.0.1 -p 2222

Sebas Server

Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.13.0-30-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

This system has been minimized by removing packages and content that are
not required on a system that users do not log into.

To restore this content, you can run the 'unminimize' command.
Last login: Wed Feb 23 20:26:18 2022 from 172.17.0.1
usuario@b745d39277f0:~$
```

#### 4. Copiar un archivo del cliente al servidor sin que me pida contraseña.

```
sebas@SebasUbuntuPC:~$ sudo nano sebas.txt  
[sudo] contraseña para sebas:  
sebas@SebasUbuntuPC:~$
```

```
sebas@SebasUbuntuPC:~$ scp sebas.txt usuario@172.17.0.2:/home/usuario  
The authenticity of host '172.17.0.2 (172.17.0.2)' can't be established.  
ECDSA key fingerprint is SHA256:+tLeIaZa3AzN3Z+JIKtyjEzEqcwU9SyeErrorMBewpoM.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '172.17.0.2' (ECDSA) to the list of known hosts.
```

```
Sebas Server
```

```
sebas.txt 100% 26 56.1KB/s 00:00  
sebas@SebasUbuntuPC:~$
```

```
root@b745d39277f0:/home/usuario# ls  
sebas.txt  
root@b745d39277f0:/home/usuario#
```