

## Generamos las claves ssh

The screenshot shows a terminal window titled "kali-linux-2025.3-virtualbox-amd64 [Corriendo] - Oracle VM VirtualBox". The terminal session starts at the root prompt:

```
(root㉿kali)-[~]
```

The user runs the command `ssh-keygen`:

```
# ssh-keygen
```

Output:

```
Generating public/private ed25519 key pair.  
Enter file in which to save the key (/root/.ssh/id_ed25519): /home/hadoop/.ssh  
Enter passphrase for "/home/hadoop/.ssh" (empty for no passphrase):  
Enter same passphrase again:  
Saving key "/home/hadoop/.ssh" failed: No such file or directory
```

The user then creates a new user named "hadoop" using `adduser`:

```
# sudo adduser hadoop
```

Output:

```
New password:  
Retype new password:  
passwd: password updated successfully  
Changing the user information for hadoop  
Enter the new value, or press ENTER for the default  
    Full Name []: Jorge  
    Room Number []: 1  
    Work Phone []: 684313657  
    Home Phone []:  
    Other []:  
Is the information correct? [Y/n] Y
```

The user switches to the "hadoop" user:

```
# su - hadoop
```

Output:

```
(hadoop㉿kali)-[~]
```

The user runs `ssh-keygen` again:

```
$ ssh-keygen
```

Output:

```
Generating public/private ed25519 key pair.  
Enter file in which to save the key (/home/hadoop/.ssh/id_ed25519):  
Created directory '/home/hadoop/.ssh'.  
Enter passphrase for "/home/hadoop/.ssh/id_ed25519" (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/hadoop/.ssh/id_ed25519  
Your public key has been saved in /home/hadoop/.ssh/id_ed25519.pub  
The key fingerprint is:  
SHA256:Fa4vGy7ZX3IG9Zuryhd39EeFZJM7gKU77Kh1//cdrCE hadoop@kali  
The key's randomart image is:  
+--[ED25519 256]--+  
| . . . + |  
| .. . . . |  
| + .. .. |  
| + o . o o |  
| S = .+. |  
| + o. oo+ |  
| o= =E++o+. |  
| o+. * * o.+ |  
| .. o.+oo+o+. |  
+---[SHA256]---
```

The user lists the files in the `~/.ssh` directory:

```
$ ls -l
```

Vamos al directorio `~/.ssh` listando su contenido

The screenshot shows a terminal window titled "hadoop@kali [~/.ssh]".

The user changes directory to `~/.ssh`:

```
$ cd ~/.ssh
```

The user lists the files in the `~/.ssh` directory:

```
$ ls -l
```

Output:

```
total 8  
-rw----- 1 hadoop hadoop 399 Oct 21 12:00 id_ed25519  
-rw-r--r-- 1 hadoop hadoop 93 Oct 21 12:00 id_ed25519.pub
```

Comprobamos que la conexión sea correcta

```
(hadoop㉿kali)-[~]
└─$ ssh localhost
The authenticity of host 'localhost (::1)' can't be established.
ED25519 key fingerprint is SHA256:CDXPklK+dF5DjP7oMEfnJFY6LwqYoordPspvE6s66uw.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'localhost' (ED25519) to the list of known hosts.
Linux kali 6.12.38+kali-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.12.38-1kali1 (2025-08-12) 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.
(hadoop㉿kali)-[~]
└─$
```