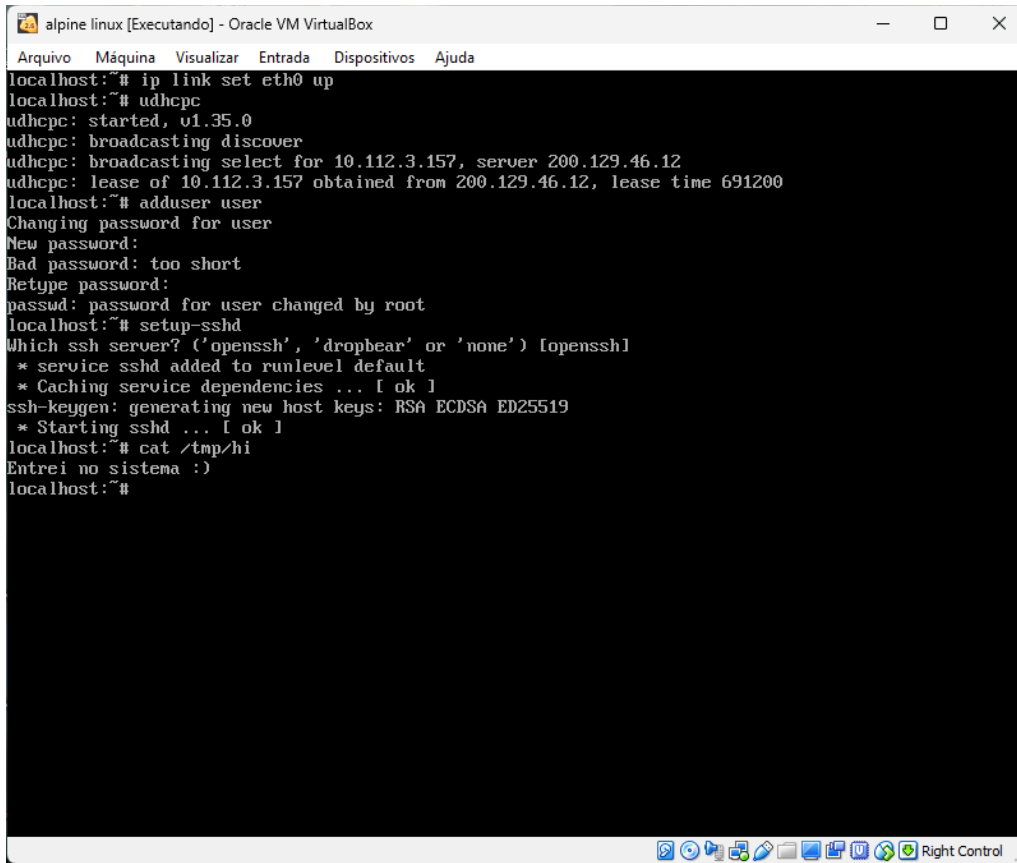


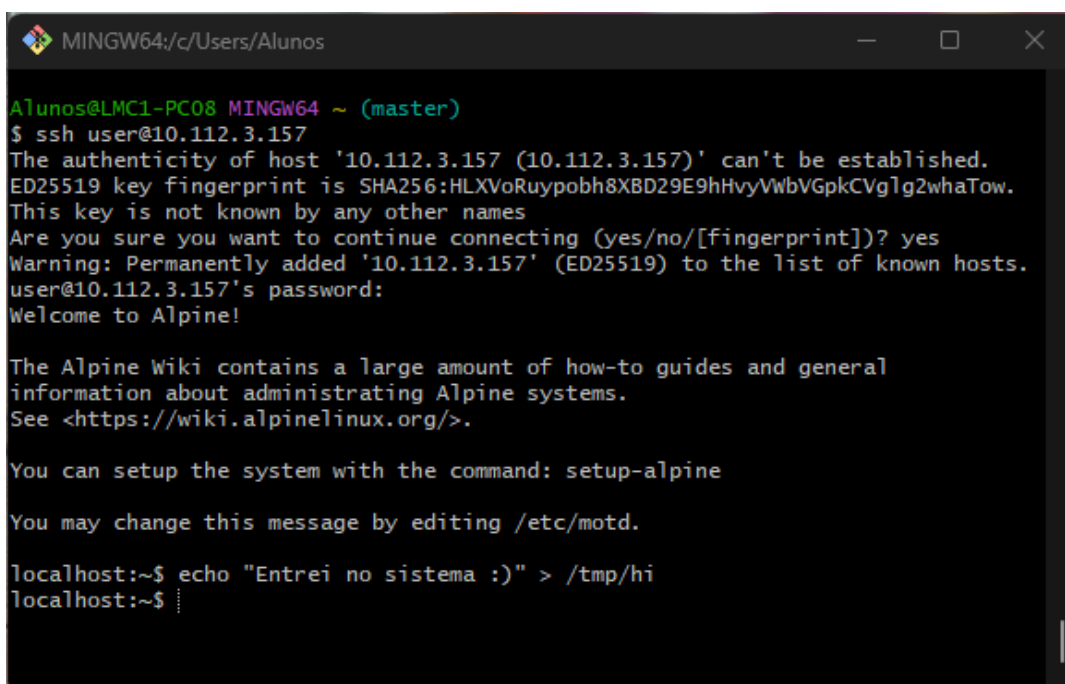
Conexão SSH

VirtualBox – AlpineLinux



```
alpine linux [Executando] - Oracle VM VirtualBox
Arquivo  Máquina  Visualizar  Entrada  Dispositivos  Ajuda
localhost:~# ip link set eth0 up
localhost:~# udhcpc
udhcpc: started, v1.35.0
udhcpc: broadcasting discover
udhcpc: broadcasting select for 10.112.3.157, server 200.129.46.12
udhcpc: lease of 10.112.3.157 obtained from 200.129.46.12, lease time 691200
localhost:~# adduser user
Changing password for user
New password:
Bad password: too short
Retype password:
passwd: password for user changed by root
localhost:~# setup-sshd
Which ssh server? ('openssh', 'dropbear' or 'none') [openssh]
* service sshd added to runlevel default
* Caching service dependencies ... [ ok ]
ssh-keygen: generating new host keys: RSA ECDSA ED25519
* Starting sshd ... [ ok ]
localhost:~# cat /tmp/hi
Entrei no sistema :)
localhost:~#
```

Windows – Gitbash



```
MINGW64:/c/Users/Alunos
Alunos@LMC1-PC08 MINGW64 ~ (master)
$ ssh user@10.112.3.157
The authenticity of host '10.112.3.157 (10.112.3.157)' can't be established.
ED25519 key fingerprint is SHA256:HLXVoRuypobh8XBD29E9hHvyVWbVGpkCVglg2whaTow.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.112.3.157' (ED25519) to the list of known hosts.
user@10.112.3.157's password:
Welcome to Alpine!

The Alpine Wiki contains a large amount of how-to guides and general
information about administrating Alpine systems.
See <https://wiki.alpinelinux.org/>.

You can setup the system with the command: setup-alpine

You may change this message by editing /etc/motd.

localhost:~$ echo "Entrei no sistema :)" > /tmp/hi
localhost:~$
```

Chaves do servidor

```
localhost:~# cat /etc/ssh/ssh_host_ed25519_key
-----BEGIN OPENSSH PRIVATE KEY-----
b3B1bnNzaC1rZXktZjEAAAABAG5ubmUAAAABbm9uZQAAAAAAAAABAAAAMwAAAAtzc2gtZW
QyNTUxOQAAACBTd9QU1LaxtJrbbQmai jMcXk4g3E1Swd6hIKVs31hCUQAAAJ jE/JmUxPyZ
IAAAAAtzc2gtZWQyNTUxOQAAACBTd9QU1LaxtJrbbQmai jMcXk4g3E1Swd6hIKVs31hCUQ
AAAEAl7Y4/uQ+pQfIBkGutCOC0EHdnvGIQqSiEm ji58wyAkIN31BTUsDG0mtttCZqKMxxe
TiDcSULB3qEgPWzfWEJRAAADnJvb3RABG9 jYWxob3N0AQIDBAUGBw==
-----END OPENSSH PRIVATE KEY-----
localhost:~# cat /etc/ssh/ssh_host_ed25519_key.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIFN31BTUsDG0mtttCZqKMxxeTiDcSULB3qEgPWzfWEJR root@localhost
localhost:~#
```

Conexão utilizando chaves

Criando chaves no cliente

```
Alunos@LMC1-PC08 MINGW64 ~ (master)
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Alunos/.ssh/id_rsa): chave
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in chave
Your public key has been saved in chave.pub
The key fingerprint is:
SHA256:p619q4rgnSK9vmibsPoR3LaspxIqezxy7MPK8XEx9Ao Alunos@LMC1-PC08
The key's randomart image is:
+----[RSA 3072]-----+
|
|.
|. . . .
| oEoo .S .
|. +..+ +
|o*.o+o . .
|*o&**o o o .
|B%OX=++ o.o..
+----[SHA256]-----+
```

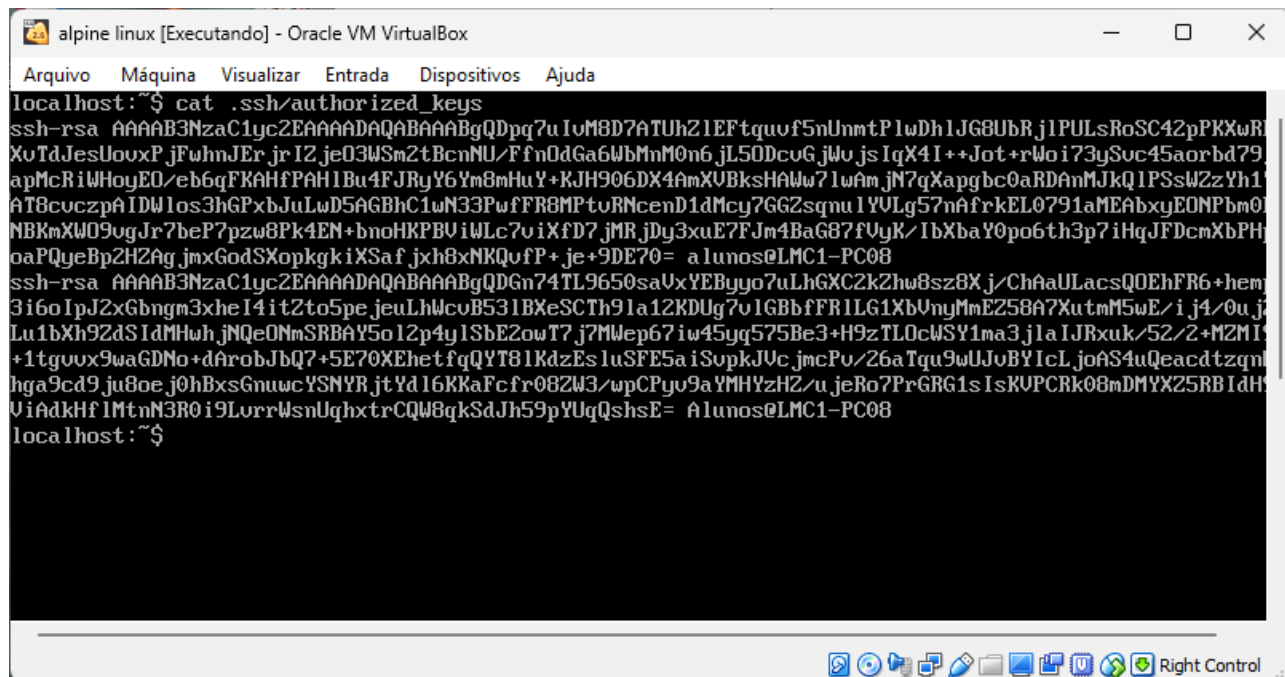
Copiando chave publica do cliente para o servidor

```
Alunos@LMC1-PC08 MINGW64 ~ (master)
$ ssh-copy-id -i chave user@10.112.3.157
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "chave.pub"
/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

Number of key(s) added: 1

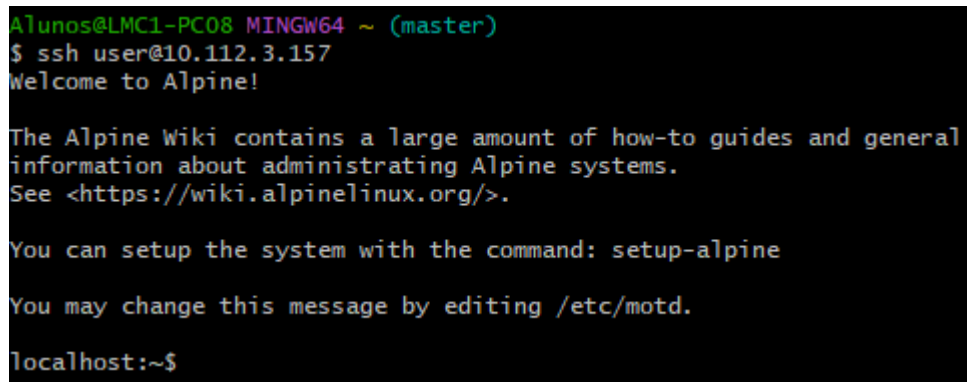
Now try logging into the machine, with: "ssh 'user@10.112.3.157'"
and check to make sure that only the key(s) you wanted were added.
```

Chave pública do cliente já está no servidor



```
alpine linux [Executando] - Oracle VM VirtualBox
Arquivo  Máquina  Visualizar  Entrada  Dispositivos  Ajuda
localhost:~$ cat .ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDpqr7uIvM8D7ATUhZ1EFtquovf5nUnmtP1wDh1JG8Ubrj1PULsRoSC42pPKXwR
XuTdJesUouxPjFwhnJErjrI2je03WsmZtBcnNU/Ffn0dGa6WbMnM0n6jL50DcuGjWvjsIqX4I++Jot+rWoi73ySvC45aorbd79
apMcRiWHoyED/eb6qFKAHfPAH1Bu4FJRyY6Ym8mHuY+KJH906DX4AmXVBksHAWw7lwAmjN7qXapgbC0aRDAnMJkQ1PSsWZzYh1
AT8cvczpAIDWlos3hGPxbJuLwD5AGBhC1wN33PwfFR8MPtuRNCenD1dMcy7GGZsqnu1YULg57nAfrkEL0791aMEAbxyEONPbm0
NBKmxW09vgJr7beP7pzw8Pk4EN+bnoHKPBViWLC7viXfD7jMRjDy3xuE7FJm4BaG87fUyK/IbXbaY0po6th3p7iHqJFDcmXbPH
oaPQyeBp2H2AgjmxGodSXopkgkiXSafjxh8xNKQvFP+je+9DE70= alunos@LMC1-PC08
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDGn74TL9650saUxYEBuyjo7uLhGXc2kZhw8sz8Xj/ChAaULacsQOEhFR6+hemy
3i6oIpJ2xGbnmg3xheI4itZto5pejeuLhWcuB53lBXeSCTH9la12KDUG7v1GBbfFRILG1XbUngMme258A7XutM5wE/i j4/0u j
Lu1bXh9ZdSI dMhwHjNqeONmSRBAy5o12p4y1SbE2owT7j7Mlep67iw45yq575Be3+H9zTL0cWSY1ma3jlaIJRxuk/52/2+M2MI
+1tgvux9waGDNo+dArobJbQ7+5E70XEhetfqQYT8lKdzEs1uSFE5aiSupkJVcjmcpv/26aTqu9wUJuBYIcLjoAS4uQeacdztzqn
hga9cd9ju8oej0hBxsGnuwcYSNYRjtYd16KkaFcfr08Zw3/wpCPyu9aYMHYZHZ/ujeRo7PrGRG1sIsKVPCrk08mDMYXZ5RBIdH
ViAdkhfIMtnN3R0i9LorrWsnUqhxtrCQW8qkSdJh59pYUqQshsE= Alunos@LMC1-PC08
localhost:~$
```

Logando utilizando a chave do cliente



```
Alunos@LMC1-PC08 MINGW64 ~ (master)
$ ssh user@10.112.3.157
Welcome to Alpine!

The Alpine Wiki contains a large amount of how-to guides and general
information about administrating Alpine systems.
See <https://wiki.alpinelinux.org/>.

You can setup the system with the command: setup-alpine

You may change this message by editing /etc/motd.

localhost:~$
```