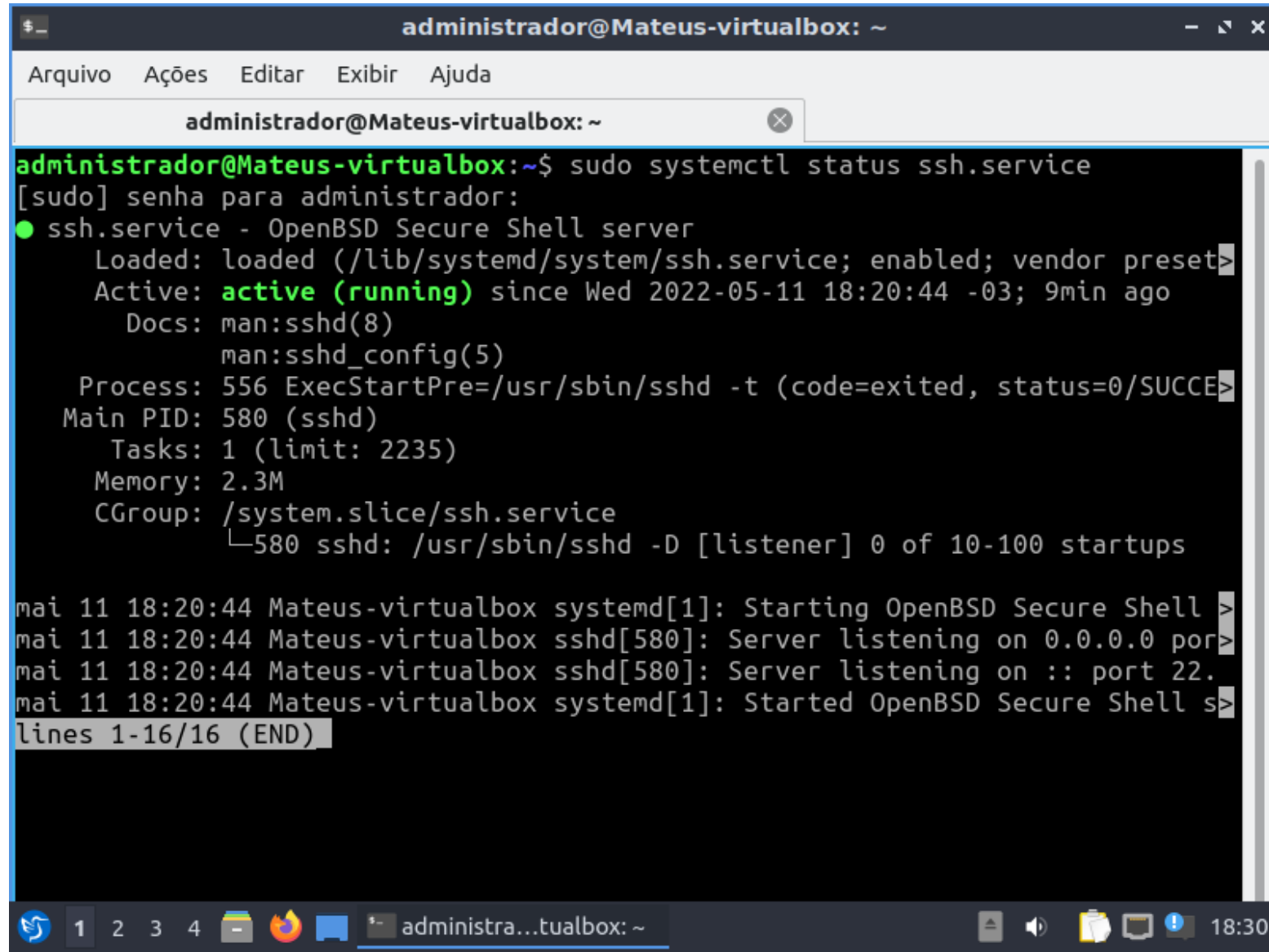


# Avaliação 04

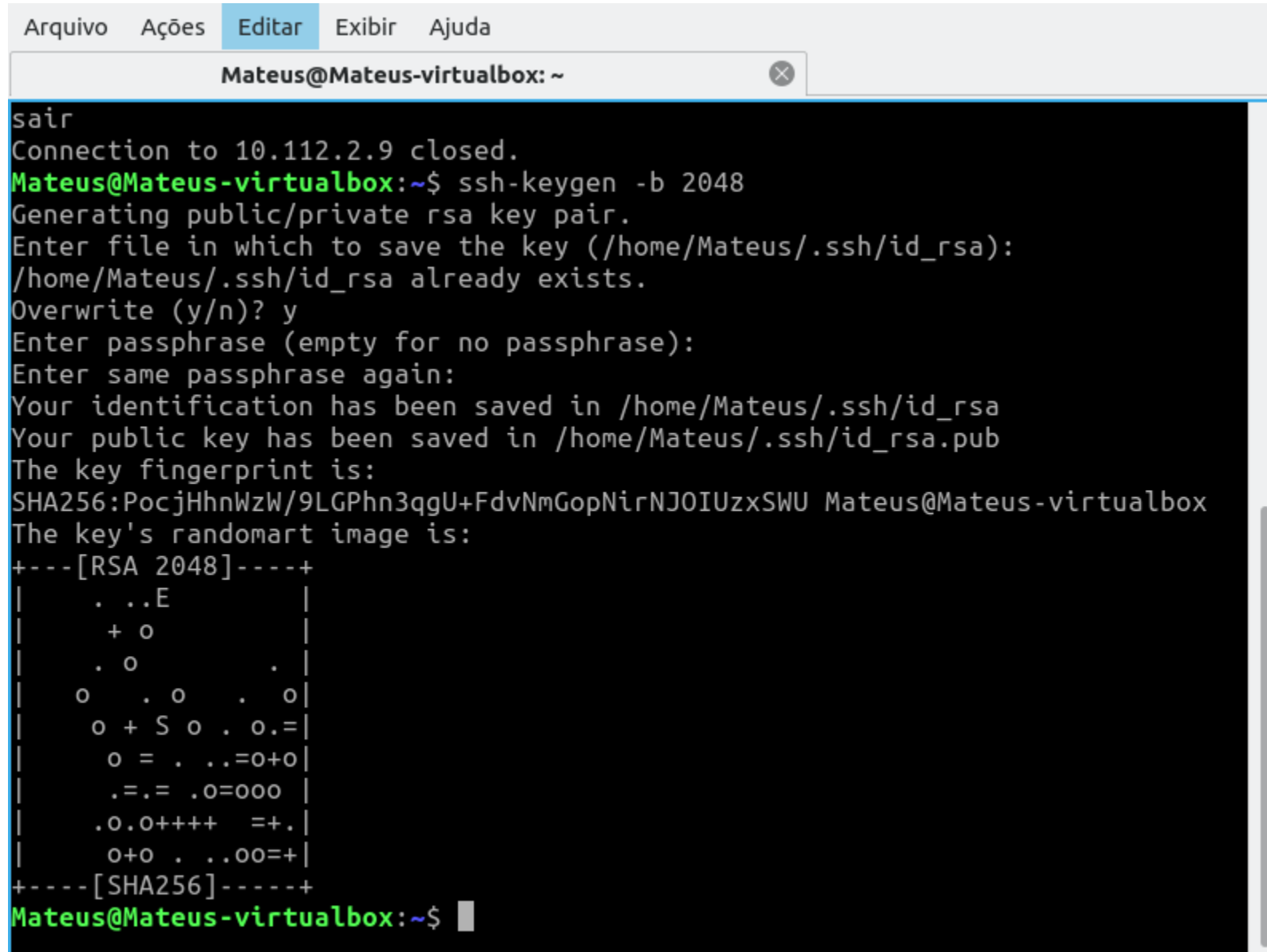
Aluno: Mateus Pereira Santos

# 1) Instalar o Openssh server em uma maquina virtual Linux;



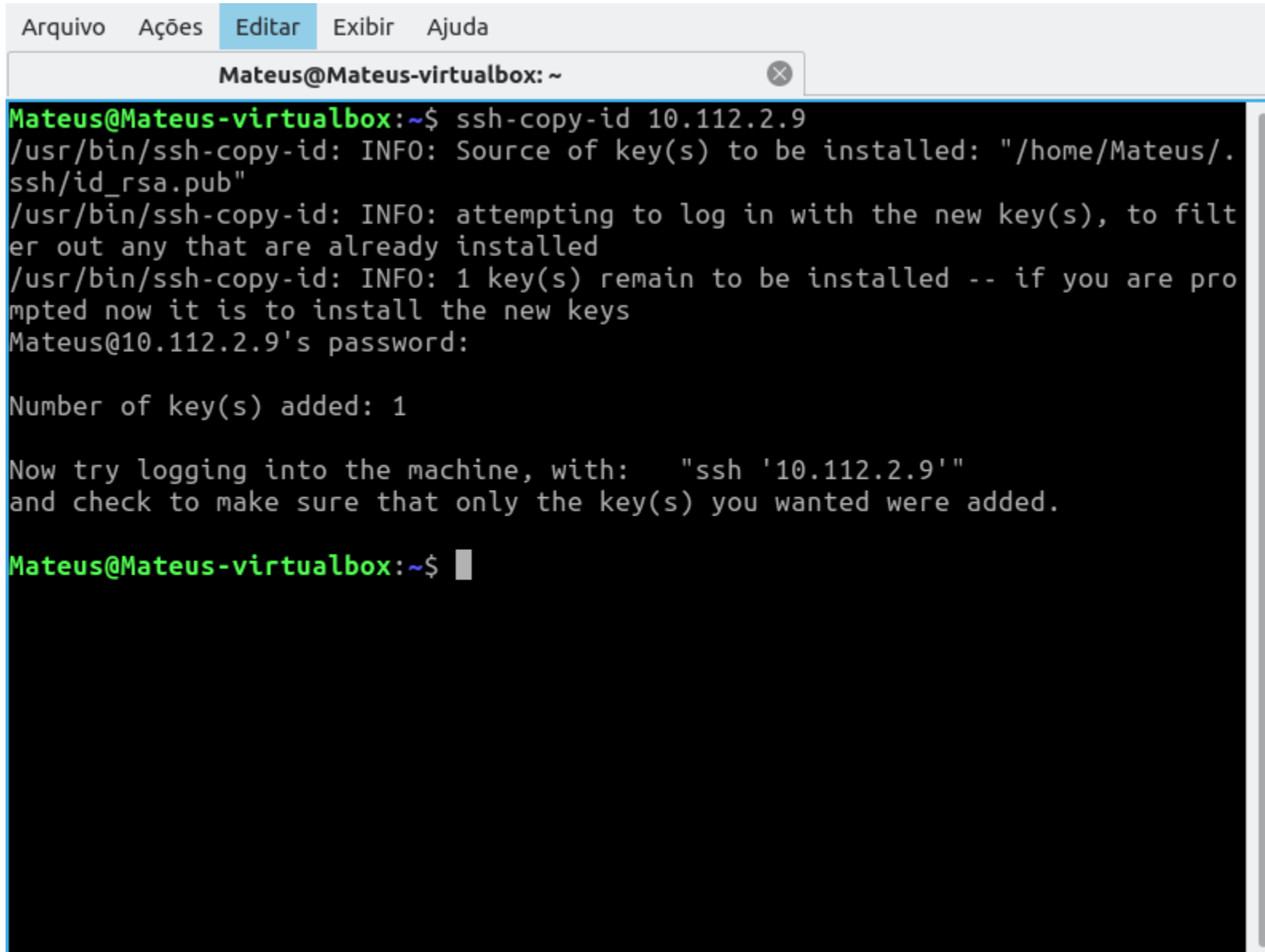
```
administrador@Mateus-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
administrador@Mateus-virtualbox: ~  
administrador@Mateus-virtualbox:~$ sudo systemctl status ssh.service  
[sudo] senha para administrador:  
● ssh.service - OpenBSD Secure Shell server  
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset  
   Active: active (running) since Wed 2022-05-11 18:20:44 -03; 9min ago  
     Docs: man:sshd(8)  
           man:sshd_config(5)  
   Process: 556 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCE  
 Main PID: 580 (sshd)  
    Tasks: 1 (limit: 2235)  
   Memory: 2.3M  
    CGroup: /system.slice/ssh.service  
           └─580 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups  
  
mai 11 18:20:44 Mateus-virtualbox systemd[1]: Starting OpenBSD Secure Shell >  
mai 11 18:20:44 Mateus-virtualbox sshd[580]: Server listening on 0.0.0.0 por>  
mai 11 18:20:44 Mateus-virtualbox sshd[580]: Server listening on :: port 22.  
mai 11 18:20:44 Mateus-virtualbox systemd[1]: Started OpenBSD Secure Shell s>  
lines 1-16/16 (END)
```

## 2) Criar um par de chaves (Publica/Privada);



```
Arquivo  Ações  Editar  Exibir  Ajuda
Mateus@Mateus-virtualbox: ~
sair
Connection to 10.112.2.9 closed.
Mateus@Mateus-virtualbox:~$ ssh-keygen -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/home/Mateus/.ssh/id_rsa):
/home/Mateus/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/Mateus/.ssh/id_rsa
Your public key has been saved in /home/Mateus/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:PocjHhnWzW/9LGPhn3qgU+FdvNmGopNirNJOIUzxSWU Mateus@Mateus-virtualbox
The key's randomart image is:
+---[RSA 2048]---+
|      . . . E      |
|      + o          |
|      . o          |
|    o   . o   . o   |
|    o + S o   . o   =|
|    o = . . . =o+o  |
|    . = . . o=ooo   |
|    . o . o + + + + =+. |
|    o + o   . . . oo =+|
+-----[SHA256]-----+
Mateus@Mateus-virtualbox:~$
```

### 3) Copiar a chave pública em uma maquina virtual que está executando o Openssh Server;



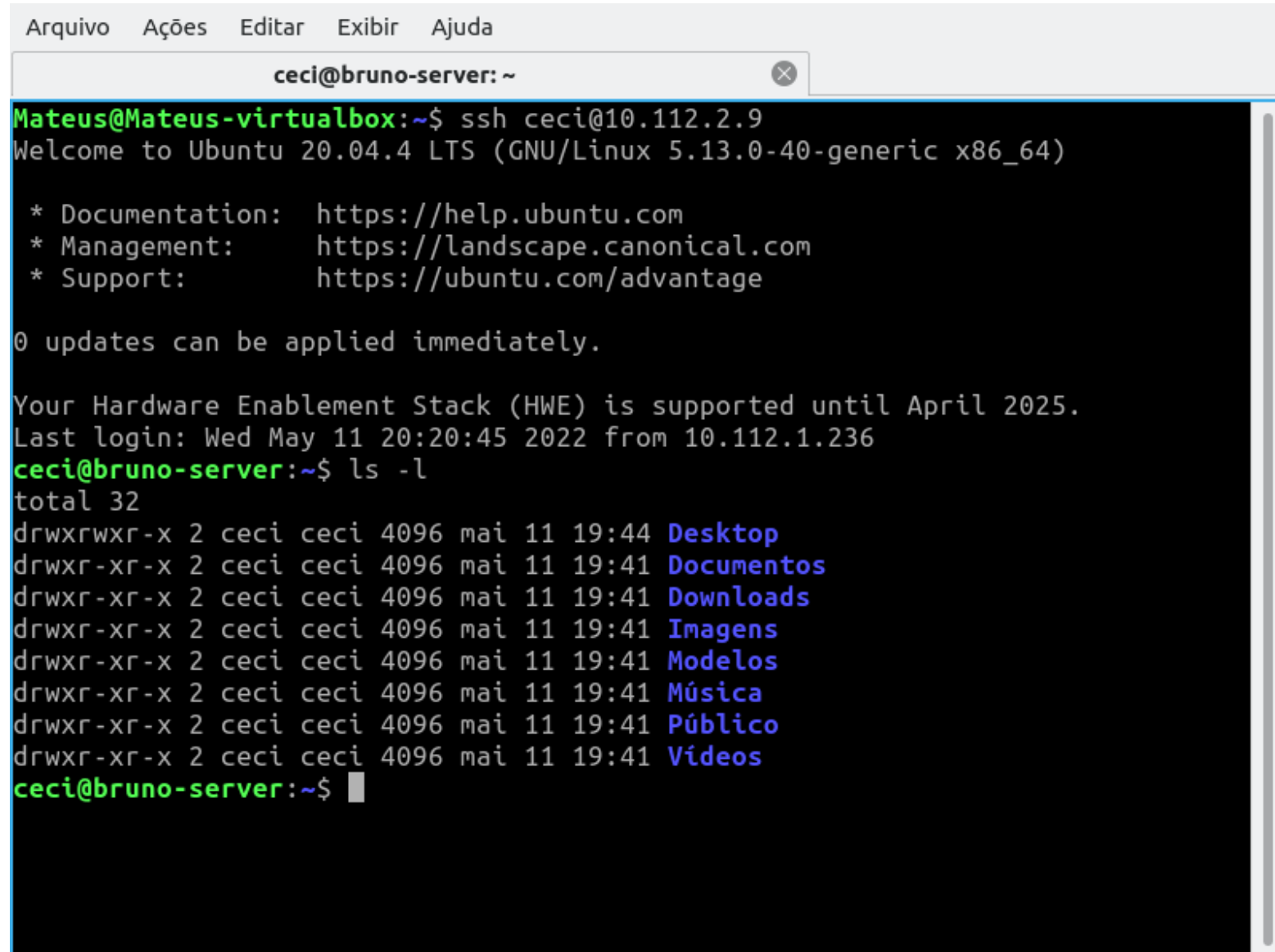
```
Arquivo  Ações  Editar  Exibir  Ajuda
Mateus@Mateus-virtualbox: ~
Mateus@Mateus-virtualbox:~$ ssh-copy-id 10.112.2.9
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/Mateus/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any 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
Mateus@10.112.2.9's password:

Number of key(s) added: 1

Now try logging into the machine, with:  "ssh '10.112.2.9'"
and check to make sure that only the key(s) you wanted were added.

Mateus@Mateus-virtualbox:~$
```

## 4) Testar a conexão entre a maquina cliente e a servidora.



A terminal window titled 'ceci@bruno-server: ~' with a menu bar containing 'Arquivo', 'Ações', 'Editar', 'Exibir', and 'Ajuda'. The terminal shows a successful SSH connection from 'Mateus@Mateus-virtualbox' to 'ceci@10.112.2.9'. The server is Ubuntu 20.04.4 LTS. The user 'ceci' runs 'ls -l', displaying a directory listing for the home directory with permissions, owner, group, size, date, and names of subdirectories like Desktop, Documentos, Downloads, etc.

```
Arquivo  Ações  Editar  Exibir  Ajuda
ceci@bruno-server: ~
Mateus@Mateus-virtualbox:~$ ssh ceci@10.112.2.9
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.13.0-40-generic x86_64)

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

0 updates can be applied immediately.

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Wed May 11 20:20:45 2022 from 10.112.1.236
ceci@bruno-server:~$ ls -l
total 32
drwxrwxr-x 2 ceci ceci 4096 mai 11 19:44 Desktop
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Documentos
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Downloads
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Imagens
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Modelos
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Música
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Público
drwxr-xr-x 2 ceci ceci 4096 mai 11 19:41 Vídeos
ceci@bruno-server:~$
```