

Avaliação 04

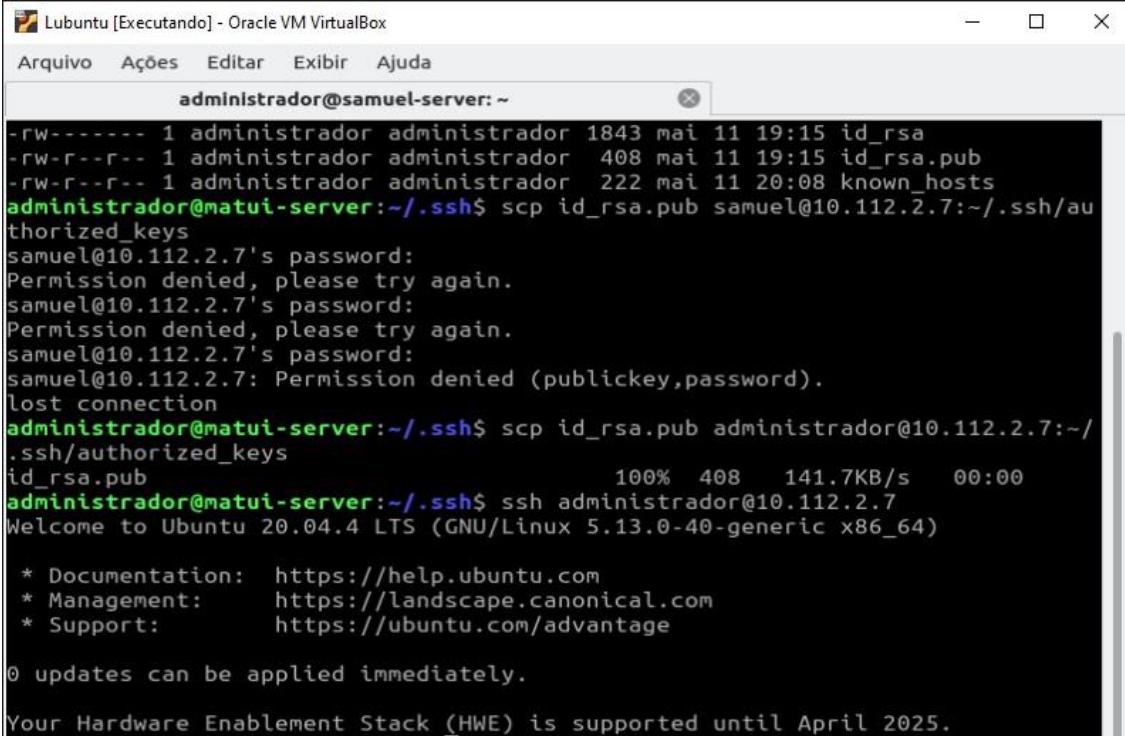
Disciplina: Sistemas Operacionais de Redes 2

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Instalação do Openssh na maquina virtual



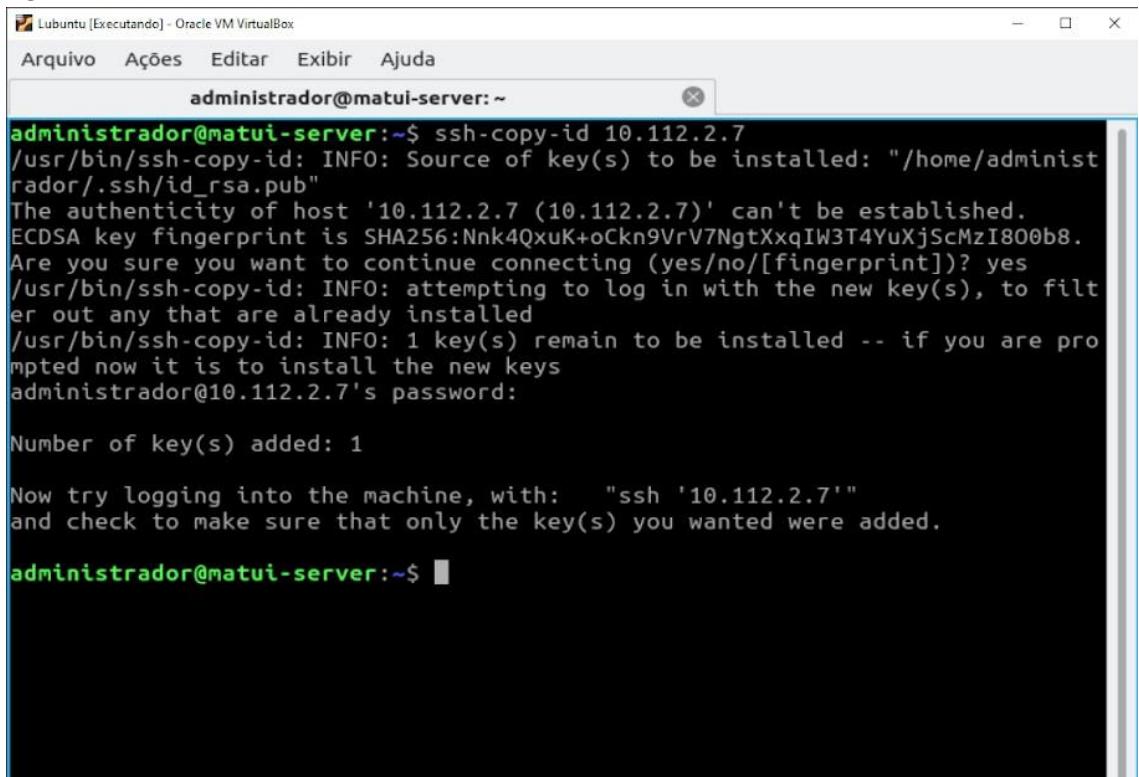
```
Lubuntu [Executando] - Oracle VM VirtualBox
Arquivo Ações Editar Exibir Ajuda
administrador@samuel-server: ~
-rw----- 1 administrador administrador 1843 mai 11 19:15 id_rsa
-rw-r--r-- 1 administrador administrador 408 mai 11 19:15 id_rsa.pub
-rw-r--r-- 1 administrador administrador 222 mai 11 20:08 known_hosts
administrador@matui-server:~/ssh$ scp id_rsa.pub samuel@10.112.2.7:~/ssh/au
thorized_keys
samuel@10.112.2.7's password:
Permission denied, please try again.
samuel@10.112.2.7's password:
Permission denied, please try again.
samuel@10.112.2.7's password:
samuel@10.112.2.7: Permission denied (publickey,password).
Lost connection
administrador@matui-server:~/ssh$ scp id_rsa.pub administrador@10.112.2.7:~/
.ssh/authorized_keys
id_rsa.pub                                100% 408    141.7KB/s   00:00
administrador@matui-server:~/ssh$ ssh administrador@10.112.2.7
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.
```

Executando a copia da chave publica para ser usado em uma maquina virtual com Openssh Server



```
Lubuntu [Executando] - Oracle VM VirtualBox
Arquivo  Ações  Editar  Exibir  Ajuda
administrador@matui-server: ~

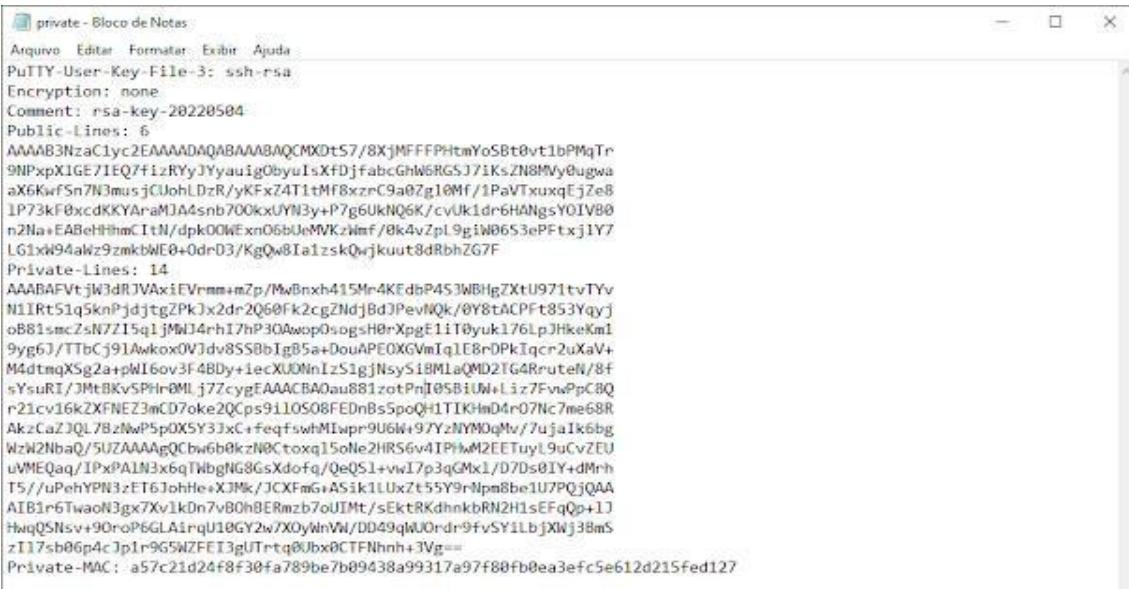
administrador@matui-server:~$ ssh-copy-id 10.112.2.7
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/administrador/.ssh/id_rsa.pub"
The authenticity of host '10.112.2.7 (10.112.2.7)' can't be established.
ECDSA key fingerprint is SHA256:Nnk4QxuK+oCkn9VrV7NgtXxqIW3T4YuXjScMzI800b8.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
/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
administrador@10.112.2.7's password:

Number of key(s) added: 1

Now try logging into the machine, with:    "ssh '10.112.2.7'"
and check to make sure that only the key(s) you wanted were added.

administrador@matui-server:~$
```

Par de chaves, Publica e Privada



A screenshot of a Windows Notepad window titled "private - Bloco de Notas". The content of the window is a long string of characters representing an RSA private key. The key includes fields for the algorithm (PuTTY-User-Key-File-3: ssh-rsa), encryption (Encryption: none), comment (Comment: rsa-key-20220504), public lines (Public-Lines: 6), and private lines (Private-Lines: 14). The private key itself is a large hexagonal string of characters.

```
private - Bloco de Notas
Arquivo Editar Formatar Exibir Ajuda
PuTTY-User-Key-File-3: ssh-rsa
Encryption: none
Comment: rsa-key-20220504
Public-Lines: 6
AAAAAB3NzaC1yc2EAAAQABAAA8AQCMXDt57/8XjMFFFFHtmYoS8t0vt1bPMqTr
9NPxpX1GE71F7fizRYyJYyaug0byu1sXfdjfabcGhW6RGSJ71KsZN8Mv0ugwa
aX6KwFSn7H3musjCUohLDzR/ykFxz4T1tMF8xzc9a07g10Mf/1PaVTxuxqEjZeB
1P73kF8xcdKYYaraMJA4snb700kxJUN3y+P7g6UkNQ6K/cvUkldr6HAnGsY0IVB0
n2Na+EAbehHhmC1tN/dpk00WExn06bUeMVKzWmf/8k4vZpl9g1M0653ePFtxj1Y7
LgixW94awZ9zmkbWE0+0drD3/KgQw8Ia1zskQwjkut8dRbhZG7F
Private-Lines: 14
AAAABAFVtjl3dJVAxiEVrmm+m7p/MwBnxh415Mr4KEdbP453WBHlgZXtU971tvTYv
N1IRt51q5knPjdjtgc2pkjx2dr2Q60fk2cgZNdjBdJPevNQk/0Y8tACPFt853Yqyj
oBB1smcZsN715q1jMj4rh17hP30Awop0sgsH0rXpgE11t0yuk176l.pJHkeKm1
9yg6J/TtbCj91AwkoxOVJdv8SSBb1g@5a+DuoAPEOXGVmIq1E8rDPKIqcr2uXaV4
M4dtmqXSg2a+pWI6ov3F4Bdy+iecXU0MnIzS1gjNsyS1BM1aQMD2TG4RruleN/8f
sYsuRI/JMtBKvSPhr8Ml.j77cygEAAACBA0au881zotPnJ0SB1Uw+Liz7FvuPpC8Q
r21cv16k2XFNEZ3mCD7oke2QcPs9i10SO8FE0nBs5poQh1TIKhM04r07Nc7me68R
AkzCaZQL7BzhNwP5p0XSY33xc+feqfswhMIwpr9U6W97YzNYMOqMv/7uja1k6bg
WzW2NbqQ/5UZAAAQgQCbw6b0kzN0ctoxq15oNe2HRS6v4IPhM2EEtuyL9uCvZEU
uVMEQaq/IpXPALN3x6qTwbgNG8GsXdofq/0eQS1+vwI7p3qGmx1/D7Ds0IY+dMrh
T5//uPehYPN3zET61ohHe+XJMk/JCXFmGvASik1LUxZt55Y9rNm8be1U7PQjQAA
AIB1r6TwaoN3gx7Xv1kDn7v80hBERmzb7oUIMt/sEktRKdhnkbnRm2H1sEFqQp+1J
HwqQSNsv+90rcP6GLA1rql106Y2w/XOyWhW/DD49qWUOrdr9fvSY1LbjXWj38mS
zI17sb06p4c3p1r9G5WZFT13glUTrq0bx8CTFNhnh+3Vg==

Private-MAC: a57c21d24f8f30fa789be7b09438a99317a97f80fb0ea3efc5e612d215fed127
```

Evidencia da conexão da maquina do cliente com a do servidor

```
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administrador@matui-server:~
```

```
er 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
administrador@10.112.2.7's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh '10.112.2.7'"
and check to make sure that only the key(s) you wanted were added.

administrador@matui-server:~$ ping 10.112.2.7
PING 10.112.2.7 (10.112.2.7) 56(84) bytes of data.
64 bytes de 10.112.2.7: icmp_seq=1 ttl=64 tempo=1.16 ms
64 bytes de 10.112.2.7: icmp_seq=2 ttl=64 tempo=1.32 ms
64 bytes de 10.112.2.7: icmp_seq=3 ttl=64 tempo=1.94 ms
64 bytes de 10.112.2.7: icmp_seq=4 ttl=64 tempo=1.26 ms
64 bytes de 10.112.2.7: icmp_seq=5 ttl=64 tempo=1.31 ms
64 bytes de 10.112.2.7: icmp_seq=6 ttl=64 tempo=1.26 ms
64 bytes de 10.112.2.7: icmp_seq=7 ttl=64 tempo=1.19 ms
64 bytes de 10.112.2.7: icmp_seq=8 ttl=64 tempo=2.74 ms
64 bytes de 10.112.2.7: icmp_seq=9 ttl=64 tempo=1.33 ms
^C
--- 10.112.2.7 estatísticas de ping ---
9 pacotes transmitidos, 9 recebidos, 0% perda de pacote, tempo 8016ms
rtt min/méd/máx/mdev = 1.163/1.500/2.744/0.490 ms
administrador@matui-server:~$
```