

Avaliação 04

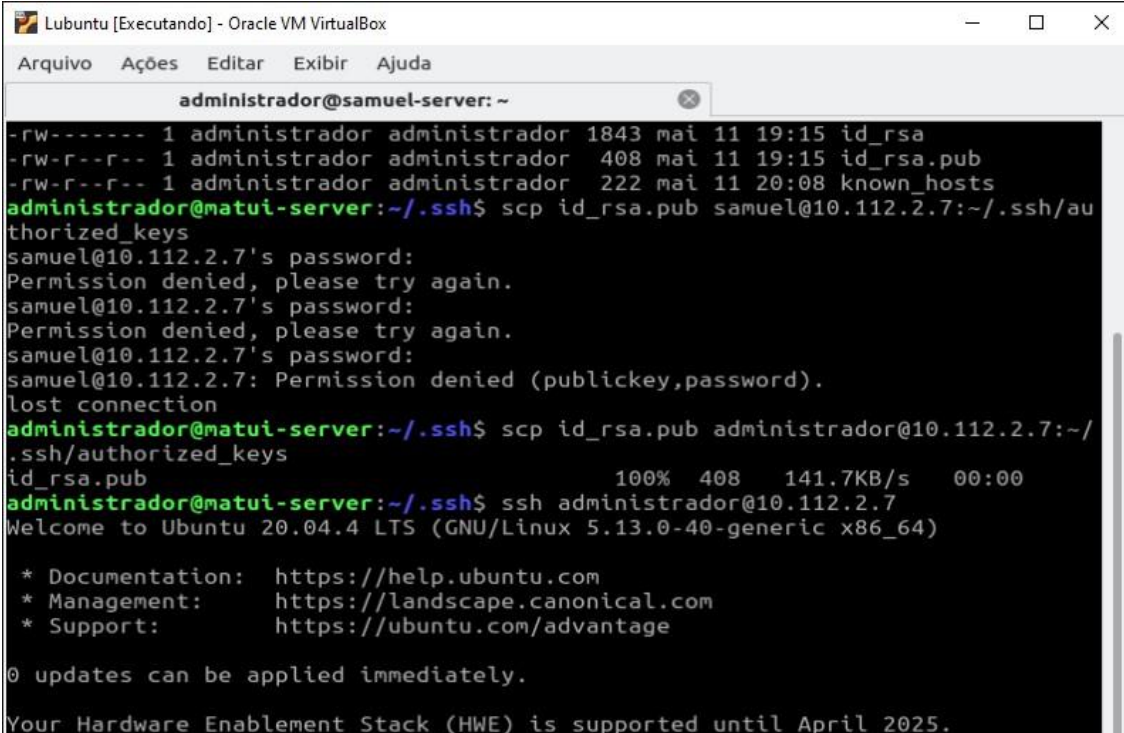
Disciplina: Sistemas Operacionais de Redes 2

Professor: Ricardo Taveira

Nomes: Werbster Marques Teixeira

José Matheus de Lima Alvino

Instalação do Openssh na maquina virtual



```
Lubuntu [Executando] - Oracle VM VirtualBox
Arquivo  Ações  Editar  Exibir  Ajuda

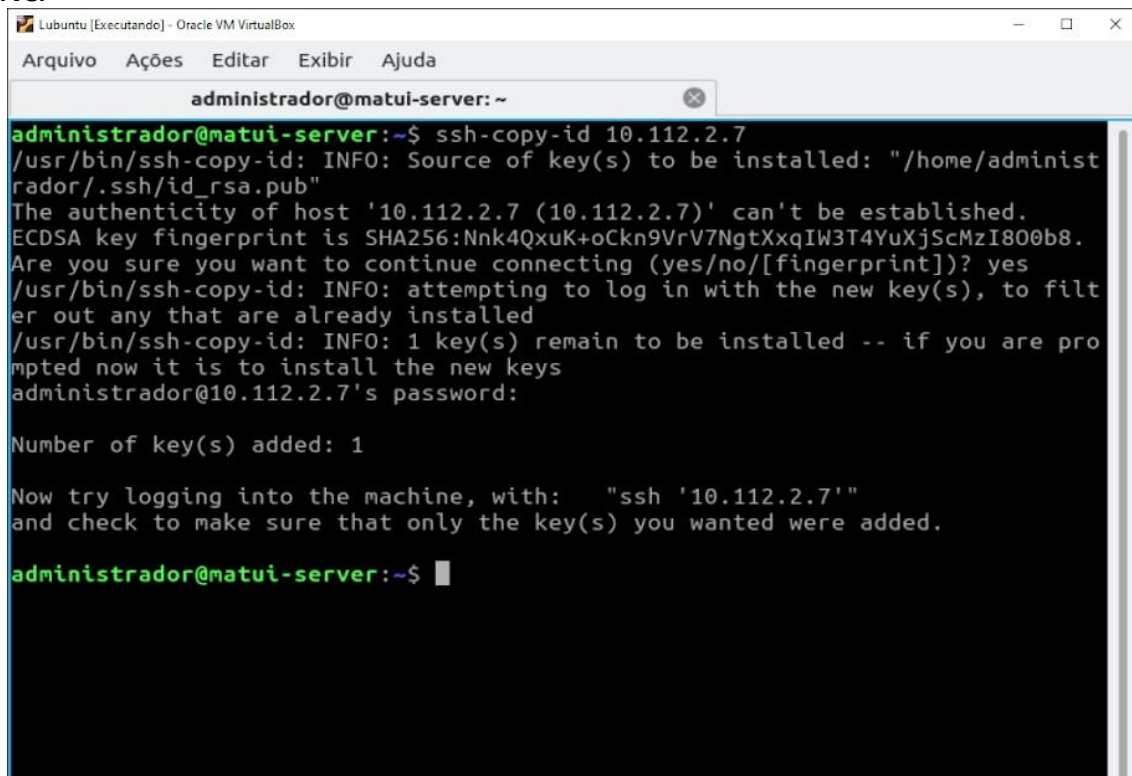
administrador@samuel-server: ~
-rw----- 1 administrador administrador 1843 mai 11 19:15 id_rsa
-rw-r--r-- 1 administrador administrador 408 mai 11 19:15 id_rsa.pub
-rw-r--r-- 1 administrador administrador 222 mai 11 20:08 known_hosts
administrador@matui-server: ~/.ssh$ scp id_rsa.pub samuel@10.112.2.7:~/.ssh/au
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 da chave publica para ser usado em uma maquina virtual com Openssh Server



```
Lubuntu [Executando] - Oracle VM VirtualBox
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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

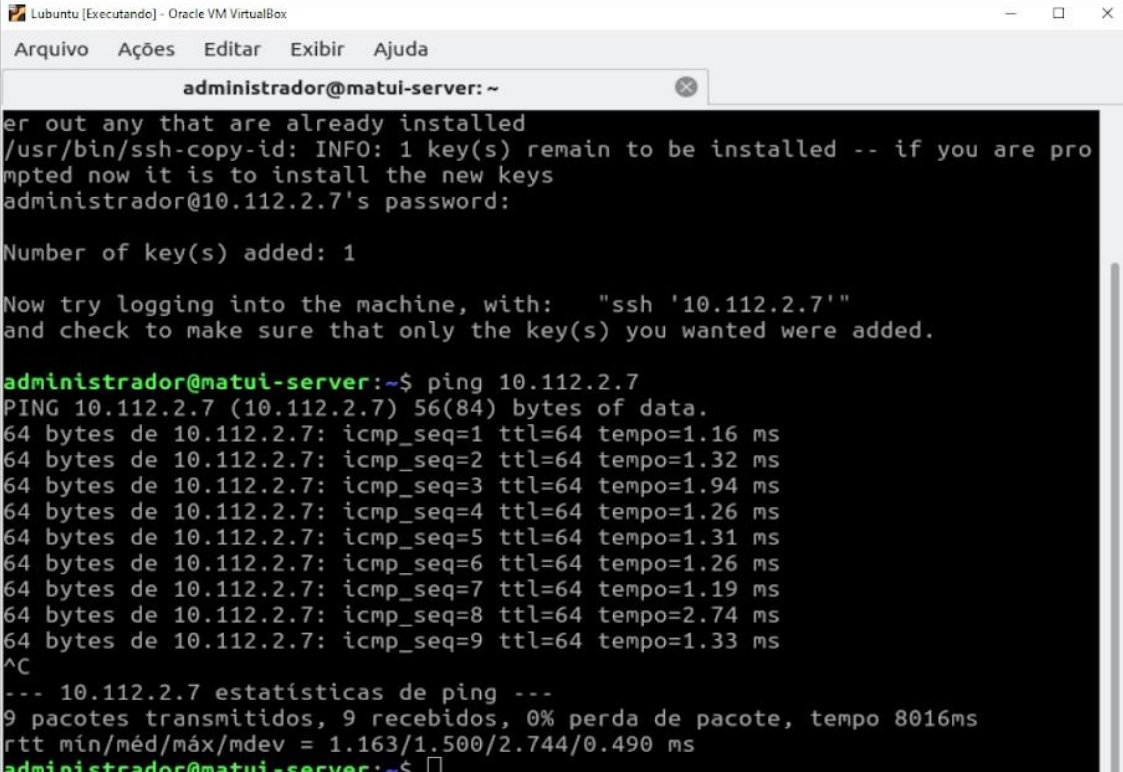
Now try logging into the machine, with:  "ssh '10.112.2.7'"
and check to make sure that only the key(s) you wanted were added.

administrador@matui-server:~$
```

Par de chaves, Publica e Privada

```
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
AAAAB3NzaC1yc2EAAAADAQABAAQCMXdtS7/8XjMFFFPhtmYoSBt0vt1bPMqTr
9NPxpX1GE7IEQ7f1zRYyJYyauigObyuIsXFDjfabGhW6RGSJ71KsZN8MMy0ugwa
aX6KwfSn7N3musjCUohlDzR/yKFxZ4T1tMF8xzeC9a0Zg10Mf/1PaVTxuxqEjZe8
1P73kf0xcdKKYArAMJA4snb700kxUYN3y+P7g6ukNQ6K/cvUk1dr6HANGsY0IVB0
n2Na+EABeHhmCItN/dpk0OWEn06bUeMWKzWmf/0k4vZpl9giW0653ePFtxj1Y7
LG1xW94aWz9zmkbWE0+0drD3/KgQw8Ia1zskQwjuut8dRbhZG7F
Private-Lines: 14
AAABAEVtjW3dRjVAxiEVrmm+mZp/MwBnxb415Mr4KEdbP453WBlgZXtU971tvTYv
N1Irt51q5knPjdtgtZPkjx2dr2Q60fk2cgZNdjBdJPEvWQk/0Y8tACPFt853Yqyj
oB81smc2sN7I5q1jMwJ4rhI7hP30Awop0sogsH0rXpgE1i1T0yuk176LpJHkeKm1
9yg6J/TTbCj91Awkox0VJdv8SS0bIgB5a+DouAPE0XGVMlqLE8rDPkIqcr2uXaV+
M4dtmqXSg2a+plI6ov3F4BDy+1ecXU0NnIzS1gJNsyS18M1aQMD2IG4RruteN/8f
sYsuRI/3MtBKvSPHr0MLj77cygFAAACBA0au881zotPnJt0SBiUw+Liz7FvWpPC8Q
r21cv16kZXfNEZ3mCD7oke2QCps91LOS08FEDnBs5poQH1TIKHnD4r07Nc7me68R
AkzCaZ3QL7BzNwP5p0XSY33xC+feqfswMIwpr9U6W+97YzNYMQMv/7uJaIk6bg
WzW2NbaQ/5UZAAGQCbW6b0kzN0Ctoxq15oNe2HRS6v4IPhwM2EETuyL9uCVZEU
uVMEQaq/1PxPAlN3x6qTwbNG8GsXdoFq/QeQS1+vwI7p3qCMx1/D7Ds0IY+dMrh
T5//uPehYPN3zET6JohHe+XJMk/JCXFmG+ASik1LUxZt55Y9rNpm8be1U7PQjQAA
AIB1r6TwaoN3gx7Xv1kDn7vB0h8ERmzb7oUIMt/sEktRKdhkbnRN2H1sEFqQp+1J
HwqQSNsv+90roP6GLA1rqU10GY2w7X0yWnVW/DD49qWUOrd9fvSY11bJXWj38mS
zI17sb06p4c3p1r9G5WZFEI3gUTrtq0Ubx0CTFNhnh+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 pro
mpted 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 mín/méd/máx/mdev = 1.163/1.500/2.744/0.490 ms
administrador@matui-server:~$
```