

ATIVIDADE 03 - ASR

CARLA BEATRIZ DA SILVA TEIXEIRA

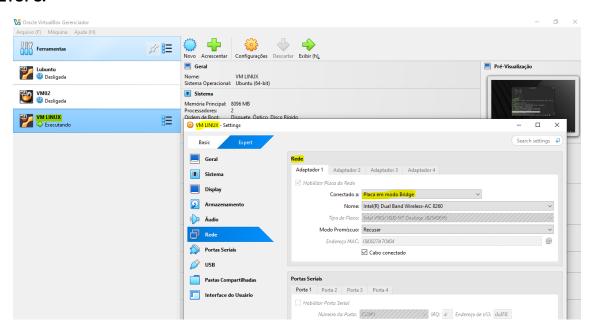
ATIVIDADE:

Faça um tutorial onde é evidenciado o passo a passo para criar uma conexão SSH entre um cliente Linux ou Windows e um Server rodando no Virtual Box.

Evidenciar a criação das chaves Publica e Privada, a copia da chave Publica para o servidor no Virtual Box e o teste da conexão SSH.

Fazer print de cada etapa. Reunir os prints em um documento identificando a execução de cada etapa. O documento final será convertido em PDF e alocado na atividade-03 do repositório no Github.

SETUPS:





M LINUX [Executando] - Oracle VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

TO run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

carlabea22@VM:-\$ ip addr

1: lo: <L00PBACK,UP,L0WER UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
 link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00
 inet 127.0.0.1/8 scope host lo
 valid lft forever preferred lft forever
 inet6 ::1/128 scope host noprefixroute
 valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,L0WER UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
 link/ether 08:00:27:a7:04:04 brd ff:ff:ff:ff:ff
 inet 192.168.18.84/24 brd 192.168.18.255 scope global dynamic noprefixroute enp0s3
 valid lft 2436sec preferred lft 2436sec
 inet6 2804:248:f85a:ba00:f5ef:5fcc:f88a:12d0/64 scope global temporary dynamic
 valid lft 85771sec preferred lft 84760sec
 inet6 2804:248:f85a:ba00:f5ef:55fcc:f88a:12d0/64 scope global dynamic mngtmpaddr noprefixroute
 valid_lft 85771sec preferred_lft 85771sec
 inet6 fe80::8735:7c66:ad2d:7bf0/64 scope link noprefixroute
 valid_lft forever preferred_lft forever

VM LINUX [Executando] - Oracle VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

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Valid_LTT Torever preterred_LTT torever

carlabea22@VM:~$ sudo apt update
[sudo] senha para carlabea22:
Ign:1 http://packages.linuxmint.com xia InRelease
Atingido:2 http://packages.linuxmint.com xia Release
Atingido:3 http://security.ubuntu.com/ubuntu noble-security InRelease
Atingido:4 http://archive.ubuntu.com/ubuntu noble InRelease
Atingido:5 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Atingido:6 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
268 pacotes podem ser atualizados. Corra 'apt list --upgradable' para vê-los.
carlabea22@VM:~$ sudo apt update
Ign:1 http://packages.linuxmint.com xia InRelease
Atingido:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Atingido:3 http://archive.ubuntu.com/ubuntu noble InRelease
Atingido:5 http://archive.ubuntu.com/ubuntu noble InRelease
Atingido:6 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Atingido:6 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
268 pacotes podem ser atualizados. Corra 'apt list --upgradable' para vê-los.
```



VM LINUX [Executando] - Oracle VirtualBox

Arquivo Maquina Visualizar Entada Dispositivos Ajuda

carlabea22@WM:
zuo pacutes puuem sei atualizatuus. Curia api List --upyjatuatute para ve-tus.

carlabea22@WM:
zuo pacutes puuem sei atualizatuus. Curia api List --upyjatuatute para ve-tus.

carlabea22@WM:
Lendo Listas de pacotes... Pronto

Construindo árvore de dependências... Pronto

tendo informação de estado... Pronto

Os pacotes adicionais seguintes serão instalados:

ncurses-term openssh-client openssh-sftp-server ssh-import-id

Pacotes sugeridos:

keychain Libpam-ssh monkeysphere ssh-askpass molly-guard

Os NOVOS pacotes a seguir serão instalados:

ncurses-term openssh-server openssh-sftp-server ssh-import-id

Os pacotes a seguir serão atualizados:

openssh-client

pacotes atualizados, 4 pacotes novos instalados, 0 a serem removidos e 267 não atualizados.

E preciso baixar 1.737 kB de arquivos.

Depois desta operação. 6.744 kB adicionais de espaço em disco serão usados.

Você quer continuar? [5/n] s

Obter:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 openssh-sftp-server amd64 1:9.6p1-3ubuntu13.11 [905 kB]

Obter:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 openssh-sftp-server amd64 1:9.6p1-3ubuntu13.11 [599 kB]

Obter:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 penssh-sftp-server amd64 1:9.6p1-3ubuntu13.11 [599 kB]

Obter:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 hcurses-term all 6.4+20240113-lubuntu2 [275 kB]

Obter:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 sh-import-id all 5.11-0ubuntu2.24.04.1 [10,1 kB]

Baixados 1.737 kB em 1s (1.199 kB/s)

Prê-configurando pacotes ...

(Lendo banco de dados ... 461618 ficheiros e diretórios atualmente instalados.)

A preparar para desempacotar .../openssh-sftp-server.

A preparar para desempacotar .../openssh-server_l%3a9.6p1-3ubuntu13.11_amd64.deb

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Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

A descompactar openssh-server (1:9.6p1-3ubuntu13.11) ...

```
A descompactar openssh-server (1:9.6p1-3ubuntu13.11) ...
A seleccionar pacote anteriormente não seleccionado ncurses-term.
A preparar para desempacotar .../ncurses-term_6.4+20240113-1ubuntu2_all.deb ...
A descompactar ncurses-term (6.4+20240113-1ubuntu2) ...
A seleccionar pacote anteriormente não seleccionado ssh-import-id.
A preparar para desempacotar .../ssh-import-id_5.11-0ubuntu2.24.04.1_all.deb ...
A descompactar ssh-import-id (5.11-0ubuntu2.24.04.1) ...
Configurando openssh-client (1:9.6p1-3ubuntu13.11) ...
Configurando ncurses-term (6.4+20240113-1ubuntu2) ...
Configurando ncurses-term (6.4+20240113-1ubuntu2) ...
Configurando openssh-sftp-server (1:9.6p1-3ubuntu13.11) ...
Configurando openssh-server (1:9.6p1-3ubuntu13.11) ...
Creating config file /etc/ssh/sshd_config with new version
Creating SSH2 BSA key; this may take some time ...
3072 SHA256:4/02MCNY+0=HTTEXENMP+ORGTJd4EYcnihGGQX7/UrA root@VM (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:302RW74L4Ze6sgOtfj9TR9xwzITJ5bBg0hkZjcDujEg root@VM (ECDSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:20LqkklJqJnuQC0t4opD6zqYKYG8Pqo4KW/0bC6Uo4I root@VM (ED25519)
Created symlink /etc/systemd/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/system/syste
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VM LINUX [Executando] - Oracle VirtualBox

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Arquivo Maquina Visualizar Entrada Dispositivos Ajuda

Carlabea22@VM:-

Sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysV-install.

Executing: /usr/lib/systemd/sysVemd-sysV-install enable ssh
Created symlink /etc/systemd/systemd/sysV-install enable ssh
Created symlink /etc/systemd/system/sshd.service - /usr/lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service - /usr/lib/systemd/system/ssh.service.
carlabea22@VM:-5 sudo systemctl start ssh
carlabea22@VM:-5 ip a

1: lo: <loopBaCk,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo

valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever

2: enpos3: <a href="mailto:BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500">BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500</a> qdisc fq_codel state UP group default qlen 1000
link/ether 08:00:27:37:104:04 brd ff:fff:ff:ff:ff:ff:
inet 192.168.18.84/24 brd 192.168.18.255 scope global dynamic noprefixroute enpos3
valid_lft 2024sec preferred_lft 2024sec
inet6 2804:248:f85a:1800:00:56f:5fc:(188a:12d0)64 scope global temporary dynamic
valid_lft 86210sec preferred_lft 86210sec
inet6 2804:248:f85a:ba00:f56f:5fc:(188a:12d0)64 scope global dynamic mngtmpaddr noprefixroute
valid_lft forever preferred_lft 86210sec
inet6 1800:18735:7666:ad2d:7bf0/64 scope link noprefixroute
valid_lft forever preferred_lft forever
```

VM LINUX [Executando] - Oracle VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

```
carlabea22@VM:~$ ssh carlabea22@192.168.18.84
The authenticity of host '192.168.18.84 (192.168.18.84)' can't be established.
ED25519 key fingerprint is SHA256:20LqkklJqJnuQC0t4opD6zqYKYG8Pqo4KW/0bC6Uo4I.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.18.84' (ED25519) to the list of known hosts.
carlabea22@192.168.18.84's password:
carlabea22@VM:~$
```