

Avaliação – 06

1) Instalar o SSH Server e um SSH Client

```
airon@Airon:~$ sudo apt update
Hit:1 http://br.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://br.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:4 http://br.archive.ubuntu.com/ubuntu jammy-backports InRelease [99,8 kB]
Get:5 http://br.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [95,0 kB]
Get:6 http://br.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [255 kB]
Get:7 http://br.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B]
Get:8 http://br.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [12,6 kB]
Fetched 688 kB in 1s (533 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
180 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
airon@Airon:~$ sudo apt upgrade
[sudo] password for airon:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2
Use 'sudo apt autoremove' to remove them.
The following packages will be upgraded:
  alsa-ucm-conf apt apt-utils bind9-dnsutils bind9-host bind9-libs dbus
  dbus-user-session dmidecode evolution-data-server
  evolution-data-server-common fonts-opensymbol fprintd fwupd gdb ghostscript
  ghostscript-x gir1.2-gdkpixbuf-2.0 gir1.2-gnomedesktop-3.0 gir1.2-gtk-4.0
  gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0 gjs gnome-control-center
  gnome-control-center-data gnome-control-center-faces gnome-desktop3-data
  gnome-remote-desktop gnome-shell gnome-shell-common gstreamer1.0-pipewire
  gzip intel-microcode isc-dhcp-client isc-dhcp-common libapt-pkg6.0
  libcamel-1.2-63 libcryptsetup12 libcurl3-gnutls libcurl4 libdbus-1-3
  libebook-1.2-10 libebook-1.2-20 libebook-contacts-1.2-3 libecal-2.0-1
  libedata-book-1.2-26 libedata-cal-2.0-1 libedataserver-1.2-26
  libedataserverui-1.2-3 libfwupd2 libfwupdplugin5 libgdk-pixbuf-2.0-0
  libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common libgjs0g libgnome-bg-4-1
  libgnome-desktop-3-19 libgnome-desktop-4-1 libgs9 libgs9-common libgtk-4-1
  libgtk-4-bin libgtk-4-common libjavascriptcoregtk-4.0-18 libksba8
```

```

airon@Airon:~$ sudo apt-get install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  ncurses-term openssh-sftp-server ssh-import-id
Suggested packages:
  molly-guard monkeysphere ssh-askpass
The following NEW packages will be installed:
  ncurses-term openssh-server openssh-sftp-server ssh-import-id
0 upgraded, 4 newly installed, 0 to remove and 180 not upgraded.
Need to get 751 kB of archives.
After this operation, 6.046 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 openssh-sftp-server
amd64 1:8.9p1-3 [38,8 kB]
Get:2 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 openssh-server amd64
1:8.9p1-3 [434 kB]
Get:3 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 ncurses-term all 6.3
-2 [267 kB]
Get:4 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 ssh-import-id all 5.
11-0ubuntu1 [10,1 kB]
Fetched 751 kB in 1s (1.038 kB/s)
Preconfiguring packages ...
Selecting previously unselected package openssh-sftp-server.
(Reading database ... 201360 files and directories currently installed.)

```

2) Criar Chaves Pública e Privada

```

airon@Airon:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/airon/.ssh/id_rsa):
/home/airon/.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/airon/.ssh/id_rsa
Your public key has been saved in /home/airon/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:Z4nMCKMiD8Yi0lv9AeXBzBv6xalUJaWgDR7nzA2LuuA airon@Airon
The key's randomart image is:
+---[RSA 3072]---+
|      o+* .oo      |
| . . &=* .o        |
|=o. *.B=o.         |
|+=+ =..oo+. .      |
|+ + +o.oS +        |
|. = . +oo o         |
|.E.  o              |
|                    |
|                    |
+-----[SHA256]-----+

```

3) Copiar as Chave Pública no SSH Server

```

valid_ttt forever preferred_ttt forever
airon@Airon:~$ ssh-copy-id airon@10.0.2.15
The authenticity of host '10.0.2.15 (10.0.2.15)' can't be established.
ED25519 key fingerprint is SHA256:zfnxetLk0y0pfeFAaLze19pLGKecW6TFaH076j0VKSE.
This key is not known by any other names
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 promp
ted now it is to install the new keys
airon@10.0.2.15's password:

Number of key(s) added: 1

Now try logging into the machine, with:  "ssh 'airon@10.0.2.15'"
and check to make sure that only the key(s) you wanted were added.

```

4) Fazer um login remoto a partir do SSH Client para um SSH Server

```

airon@Airon: ~
login as: airon
airon@192.168.1.64's password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-52-generic x86_64)

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

0 updates can be applied immediately.

Last login: Sat Oct 29 18:35:09 2022 from 10.0.2.15
airon@Airon:~$
airon@Airon:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.64 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 2804:d4b:9ad1:6700:8cb7:d74:35be:e2f0 prefixlen 64 scopeid 0x0<g
lobal>
    inet6 2804:d4b:9ad1:6700:2b51:3b26:3296:5e83 prefixlen 64 scopeid 0x0<
global>
    ether 08:00:27:f1:3b:dc txqueuelen 1000 (Ethernet)
    RX packets 385 bytes 325250 (325.2 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 319 bytes 44707 (44.7 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 171 bytes 15894 (15.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 171 bytes 15894 (15.8 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

airon@Airon:~$

```