INSTITUTO FEDERAL
Ceará
Campus Fortaleza

ADMINISTRAÇÃO DE SERVIÇOS DE REDE
Professor(a): Ricardo Duarte Taveira
Atividade 02

Dupla: Edvan Silva de Sousa Filho e Marília Fernandes de Lima

1. **Instalação do Open-SSH.**

```
teste1@teste1:~$ sudo apt-get install openssh-server
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
The following additional packages will be installed:
  libssl3 openssh-client openssh-sftp-server openssl
Pacotes sugeridos:
  keychain libpam-ssh monkeysphere ssh-askpass molly-guard
Os NOVOS pacotes a seguir serão instalados:
  openssh-server openssh-sftp-server
Os pacotes a seguir serão atualizados:
  libssl3 openssh-client openssl
3 pacotes atualizados, 2 pacotes novos instalados, 0 a serem removidos e 397 não
 atualizados.
É preciso baixar 4.965 kB de arquivos.
Depois desta operação, 2.237 kB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] S
Obter:1 https://deb.debian.org/debian bookworm/main amd64 libssl3 amd64 3.0.15-1
~deb12u1 [2.025 kB]
Obter:2 https://deb.debian.org/debian bookworm/main amd64 openssh-client amd64 1
:9.2p1-2+deb12u3 [991 kB]
Obter:3 https://deb.debian.org/debian bookworm/main amd64 openssh-sftp-server am
d64 1:9.2p1-2+deb12u3 [65,8 kB]
Obter:4 https://deb.debian.org/debian bookworm/main amd64 openssh-server amd64 1
```

2. **Gerar as Chaves SSH (Pública e Privada), Copiar a Chave Pública para o Servidor Linux**

```
teste1@teste1:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/teste1/.ssh/id_rsa):
Created directory '/home/teste1/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/teste1/.ssh/id_rsa
Your public key has been saved in /home/teste1/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:nJUFLDhpibyfIF5ZarNBl5+BvC3AV4gZ6vGpoxklUXs teste1@teste1
The key's randomart image is:
+---[RSA 3072]----+
|   .o.* O.....   |
| . oO # o .o     |
|. +.EX = +o      |
| o.+X.o.+o       |
|..o+o* oS        |
| o... o          |
|. o              |
| + .             |
|o                |
+----[SHA256]-----+
teste1@teste1:~$
```

```
teste1@teste1:~$ cat /home/teste1/ .ssh/id_rsa.pub
cat: /home/teste1/: É um diretório
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQC5hcBwysTRl8g4SS7PgIuDKit7a6KYSzIYh
rQsptc8Wj8fmfLGA1mxAi5wofcpvTkDp2L3DLXRIRo2cV+Kr8/+WzgT/S4VueaFb5vILrKDYX
L0V5XbPfCNJSv45SOS2a6EgYtGk1nsyr5f7NdorbX1GvSlifGyp4vs6UhsXs4GlXvVF4RAnoy
2CWI97SNcdVz4uRJSokZuzABIDF72YUwWI/wyvviOlUVRiYPP5rLAzuWPvPH0AWEa3WQS470E
79Au2x83B4QaZVpHit/qEhHJurdARPjEHk3IuYPNnjfyBHD7MTIGFp/wTFc1mo+Ts9mtbO5Uq
FgWrtpyZUfr8+n2FO3e7STL0mT7p2c/5GNMF3OSFz39AKIoO+lg6CWUGwM7GylHIRflh2EhKG
c3GaU1/8qcCuoU0v17UnMa0YxW1CAmHjuQBif76R571yh2UligdbLlTeOS1q3o+0CZ2ZahT0n
vuUI5x00RqZfT3Elz5SqZZxgGr8exhoaAYROewk0= teste1@teste1
teste1@teste1:~$
```

Chave pública:

sh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABgQC5hcBwysTRl8g4SS7PgIuDKit7a6KYSzIYhrQsptc8W
j8fmfLGA1mxAi5wofcpvTkDp2L3DLXRIRo2cV+Kr8/+WzgT/S4VueaFb5vILrKDYXL0V5XbPfCNJS
v45SOS2a6EgYtGk1nsyr5f7NdorbX1GvSlifGyp4vs6UhsXs4GlXvVF4RAnoy2CWI97SNcdVz4uRJ
SokZuzABIDF72YUwWI/wyvviOlUVRiYPP5rLAzuWPvPH0AWEa3WQS470E79Au2x83B4QaZVp
Hit/qEhHJurdARPjEHk3IuYPNnjfyBHD7MTIGFp/wTFc1mo+Ts9mtbO5UqFgWrtpyZUfr8+n2FO3e
7STL0mT7p2c/5GNMF3OSFz39AKIoO+lg6CWUGwM7GylHIRflh2EhKGc3GaU1/8qcCuoU0v17U
nMa0YxW1CAmHjuQBif76R571yh2UligdbLlTeOS1q3o+0CZ2ZahT0nvuUI5x00RqZfT3Elz5SqZZx
gGr8exhoaAYROewk0= teste1@teste1

3. **Testar a conexão usando as chaves Pública e Privada.**

```
wtmp begins Fri Nov 15 08:44:33 2024
teste1@teste1:~$ ssh teste2@192.168.0.106
The authenticity of host '192.168.0.106 (192.168.0.106)' can't be established.
ED25519 key fingerprint is SHA256:NHqT0B1q5BQmaTBaoPAtLJnM611B9fdVVOF7JIvI1cU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.0.106' (ED25519) to the list of known hosts.
teste2@192.168.0.106's password:
Linux teste2 6.1.0-12-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.52-1 (2023-09-07)
x86_64

Last login: Fri Nov 15 17:13:39 2024 from 127.0.0.1
teste2@teste2:~$ last
teste2   pts/2        192.168.0.107    Fri Nov 15 17:33   still logged in
teste2   pts/1        127.0.0.1        Fri Nov 15 17:13   still logged in
teste2   pts/2        127.0.0.1        Fri Nov 15 15:35 - 15:45  (00:10)
teste2   pts/1        127.0.0.1        Fri Nov 15 15:12 - 15:45  (00:32)
teste2   tty7         :0               Fri Nov 15 14:15   still logged in
reboot   system boot  6.1.0-12-amd64   Fri Nov 15 14:14   still running
teste2   tty7         :0               Fri Nov 15 08:12 - crash  (06:01)
reboot   system boot  6.1.0-12-amd64   Fri Nov 15 08:12   still running
teste2   tty7         :0               Thu Nov 14 23:16 - crash  (08:56)
reboot   system boot  6.1.0-12-amd64   Thu Nov 14 23:15   still running
```