

# ATIVIDADE 06

## ALUNO: JOÃO DANIEL FERREIRA DA SILVA

### INSTALAÇÃO DO SSH SERVER

```
Atividades Terminal 19 de jun 02:03
joaodaniel@fedora:~
[joaodaniel@fedora ~]$ sudo dnf install openssh-server
Última verificação de metadados: 0:33:50 atrás em seg 19 jun 2023 01:28:17.
Dependências resolvidas.
=====
Pacote            Arquitetura  Versão           Repositório      Tam.
=====
Instalando:
  openssh-server  x86_64       8.8p1-10.fc37    updates          449 k
=====
Resumo da transação
=====
Instalar 1 pacote

Tamanho total do download: 449 k
Tamanho depois de instalado: 1.0 M
Correto? [s/N]: S
Baixando pacotes:
openssh-server-8.8p1-10.fc37.x86_64.rpm      311 kB/s | 449 kB      00:01
-----
Total                                         143 kB/s | 449 kB      00:03
Executando verificação da transação
Verificação de transação concluída.
Executando teste de transação
Teste de transação concluído.
```

### HABILITAÇÃO E VERIFICAÇÃO DO SSH SERVICE

```
Atividades Terminal 19 de jun 02:05
joaodaniel@fedora:~
[joaodaniel@fedora ~]$ sudo systemctl enable sshd
Created symlink /etc/systemd/system/multi-user.target.wants/sshd.service → /usr/lib/systemd/system/sshd.service.
[joaodaniel@fedora ~]$ sudo systemctl start sshd
[joaodaniel@fedora ~]$ sudo systemctl status sshd
● sshd.service - OpenSSH server daemon
   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; preset: disabled)
   Active: active (running) since Mon 2023-06-19 02:05:06 -03; 5s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
    Main PID: 2608 (sshd)
      Tasks: 1 (limit: 4637)
    Memory: 1.3M
       CPU: 22ms
    CGroup: /system.slice/sshd.service
            └─2608 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

jun 19 02:05:06 fedora systemd[1]: Starting sshd.service - OpenSSH server daemon...
jun 19 02:05:06 fedora sshd[2608]: Server listening on 0.0.0.0 port 22.
jun 19 02:05:06 fedora sshd[2608]: Server listening on :: port 22.
jun 19 02:05:06 fedora systemd[1]: Started sshd.service - OpenSSH server daemon.
[joaodaniel@fedora ~]$
```

### INDICAÇÃO DA PORTA 22 COMO PADRÃO

```
Atividades Terminal 19 de jun 02:09
joaodaniel@fedora:~
[joaodaniel@fedora ~]$ netstat -ant | grep 22
tcp        0      0 0.0.0.0:22 0.0.0.0:*        OUÇA
tcp6       0      0 :::22     :::*              OUÇA
[joaodaniel@fedora ~]$
```

## CRIAÇÃO DAS CHAVES

```
Atividades Terminal 19 de jun 02:13
joaodaniel@fedora:~
[joaodaniel@fedora ~]$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/joaodaniel/.ssh/id_rsa):
Created directory '/home/joaodaniel/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/joaodaniel/.ssh/id_rsa
Your public key has been saved in /home/joaodaniel/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:cTnQlopQ6GQzAyXNjKWJWyxpMPTnd9bV83u0UIh0y5Q joaodaniel@fedora
The key's randomart image is:
+---[RSA 3072]-----+
|.oOoo. . . . |
|.=o+% .+. . . |
|+.== * ..0= E. o |
|. + . .+.+.o o|
|. . .So..+ . . |
|. o . . . |
| . . . |
|. o. |
|. . |
+----[SHA256]-----+
[joaodaniel@fedora ~]$
```

## CONEXÃO COM SERVIDOR REMOTO ATRAVÉS DA PORTA 22

```
Atividades Terminal 19 de jun 02:55
joaodaniel@fedora:~ — ssh joaodaniel@10.0.2.15
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 (Loopback Local)
    RX packets 36 bytes 3274 (3.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 36 bytes 3274 (3.1 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[joaodaniel@fedora ~]$ ssh joaodaniel@10.0.2.15
The authenticity of host '10.0.2.15 (10.0.2.15)' can't be established.
ED25519 key fingerprint is SHA256:4wgxnSs87L4HKZVQvAMYomiRdb2Ph4rHxcvhF8Rr+2k.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.2.15' (ED25519) to the list of known hosts.
joaodaniel@10.0.2.15's password:
Permission denied, please try again.
joaodaniel@10.0.2.15's password:
Last failed login: Mon Jun 19 02:55:07 -03 2023 from 10.0.2.15 on ssh:notty
There was 1 failed login attempt since the last successful login.
Last login: Mon Jun 19 01:54:15 2023
[joaodaniel@fedora ~]$
```