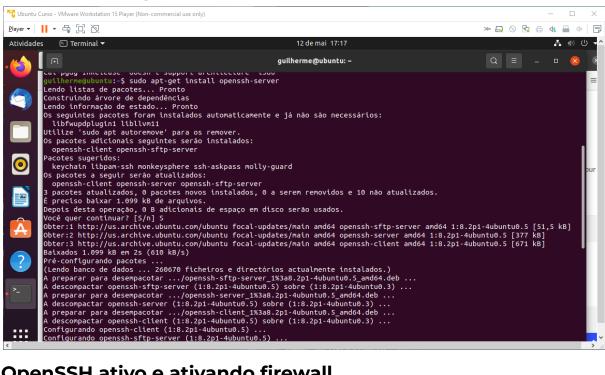
Sistemas Operacionais de Redes II **Guilherme Estevam de Castro**

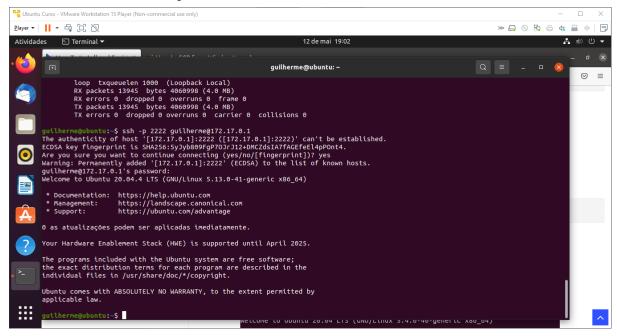
1) Instalar o OpenSSH server em uma máquina virtual Linux Instalando o OpenSSH



OpenSSH ativo e ativando firewall

```
Player ▼ | | | ▼ 📮 🗀 📎
                                                                                                                                                                                                                                        » 🗗 🕥 📴 🖨 🐠 🖺 🐠 🗐
Atividades № Terminal ▼
               Configurando openssh-client (1:8.2p1-4ubuntu0.5)
                mai 12 17:14:01 ubuntu systemd[1]: ssh.service: Succeeded.
mai 12 17:14:01 ubuntu systemd[1]: Stopped OpenBSD Secure Shell server.
mai 12 17:14:01 ubuntu systemd[1]: Starting OpenBSD Secure Shell server...
mai 12 17:14:01 ubuntu sshd[7951]: Server listening on 0.0.0.0 port 22.
mai 12 17:14:01 ubuntu sshd[7951]: Server listening on :: port 22.
mai 12 17:14:01 ubuntu systemd[1]: Started OpenBSD Secure Shell server.
gutlherme@ubuntu:-$ sudo ufw allow ssh
                 Regra adicionada
Regra adicionada (v6)
guilherme@ubuntu:~$
```

Conectando ao OpenSSH Server na Porta 2222



2) Criar um Par de Chaves (Pública/Privada) Gerando Chave SSH no Windows

```
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Use
Enter passphrase (empty for no passphrase)
Enter same passphrase again:
Your identification has been saved in C:\U
Your public key has been saved in C:\Users
The key fingerprint is:
SHA256:dcmmCjG5VZKN008Fa9TFShFHakOwwDbIkh0
The key's randomart image is:
 ---[RSA 3072]----+
     +==Bo+oo+*+
     0+++B+++0+.
      .*..+0+0.
       * .+=0.
       o Soo.
        0 =.
         Е
    -[SHA256]----+
```

Gerando Chave SSH no Ubuntu

```
guilherme@ubuntu:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/guilherme/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/guilherme/.ssh/id_rsa
Your public key has been saved in /home/guilherme/.ssh/id rsa.pub
The key fingerprint is:
SHA256:4z/RoeK8gf3567tsK0AMz8qbBe0FWlyU0feI860Mr9I guilherme@ubuntu
The key's randomart image is:
+---[RSA 3072]----+
        . 0++
       0. 00
       0 * . + . .
       =S. o +
       0+=.0.0
       .*++ + . .
       o ++Eo+
         .o=0X=
   --[SHA256]----+
```

3) Copiar a Chave Pública em uma Máquina Virtual que está executando o OpenSSH Server

```
C:\Users\Guii>scp C:/Users/Guii/.ssh/id_rsa.pub guilherme@192.168.31.128:~/.ssh/authorized_keys
guilherme@192.168.31.128's password:
id_rsa.pub 100% 569 278.0KB/s 00:00
```

4) Testar a conexão entre a máquina Cliente e a Servidora

```
C:\Users\Guii>ssh guilherme@192.168.31.128
guilherme@192.168.31.128's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.13.0-41-generic x86_64)

* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage

6 as atualizações podem ser aplicadas imediatamente.
Para ver as actualizações adicionais corre o comando: apt list --upgradable

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Thu May 12 19:01:53 2022 from 192.168.31.128
```