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Instalação e ativação do serviço SSH:

```
→ sudo su
[sudo] password for kali:
(root@kali)~[/home/kali]
# apt-get install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:9.7p1-7).
openssh-server set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 919 not upgraded.

(root@kali)~[/home/kali]
# sudo systemctl start ssh
sudo: systemctl: command not found

(root@kali)~[/home/kali]
# sudo systemctl status ssh

o ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:sshd(8)
           man:sshd_config(5)
```

```
(root@kali)~[/home/kali]
# sudo systemctl status ssh

● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: disabled)
   Active: active (running) since Wed 2024-11-20 22:47:54 EST; 9s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
  Main PID: 24646 (sshd)
    Tasks: 1 (limit: 4980)
  Memory: 2.6M (peak: 2.8M)
     CPU: 49ms
    CGroup: /system.slice/ssh.service
            └─24646 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Nov 20 22:47:54 kali systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Nov 20 22:47:54 kali sshd[24646]: Server listening on 0.0.0.0 port 22.
Nov 20 22:47:54 kali sshd[24646]: Server listening on :: port 22.
Nov 20 22:47:54 kali systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
```

Configuração das chaves SSH no servidor

```
(root@kali)~[/home/kali]
# mkdir -p ~/.ssh
chmod 700 ~/.ssh
touch ~/.ssh/authorized_keys
chmod 600 ~/.ssh/authorized_keys

(root@kali)~[/home/kali]
# sudo nano /etc/ssh/sshd_config
```

```
# Authentication:

#LoginGraceTime 2m
#PermitRootLogin prohibit-password
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

#PubkeyAuthentication yes
```

```
# To disable tunneled clear text passwords, change to no here!
#PasswordAuthentication no
#PermitEmptyPasswords no
```

Reinicie o serviço SSH:

```
(root@kali)-[/home/kali]
# sudo systemctl restart ssh
```

Gerei as chaves SSH no Windows:

```
PS C:\WINDOWS\system32> ssh-keygen -t rsa -b 4096 -C "denilsonbarbosa452@gmail.com"
>>
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Denilson\.ssh/id_rsa):
Created directory 'C:\Users\Denilson\.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\Denilson\.ssh/id_rsa
Your public key has been saved in C:\Users\Denilson\.ssh/id_rsa.pub
The key fingerprint is:
SHA256:L7txZlTr/PKKGh1pr6i4iGcDOMtVR1bp/oyu542g2SY denilsonbarbosa452@gmail.com
The key's randomart image is:
+---[RSA 4096]-----+
|          .          |
|         o .         |
|        o .         |
|       . o .         |
|      . = S o        |
|     . = S o        |
|    + . o o * .      |
|   .+. . .o= B       |
|  +O+  E++=Ooo       |
| +=.oo+=+XXo.       |
+---[SHA256]-----+
PS C:\WINDOWS\system32>
```

Copiei a chave pública para o servidor Linux:



Testado a conexão e funcionou:

```
O Windows PowerShell
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Instale o PowerShell mais recente para obter novos recursos e aprimoramentos! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> ssh -i $HOME\.ssh\id_rsa kali@10.0.2.15
ssh: connect to host 10.0.2.15 port 22: Connection timed out
PS C:\WINDOWS\system32> ssh -i $HOME\.ssh\id_rsa kali@192.168.1.72
The authenticity of host '192.168.1.72 (192.168.1.72)' can't be established.
ED25519 key fingerprint is SHA256:l84/D7E/KY08/4mi5F66x1LHR+JF2u48gdjPdIaitmM.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.72' (ED25519) to the list of known hosts.
kali@192.168.1.72's password:
Linux kali 6.6.15-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.6.15-2kali1 (2024-05-17) x86_64

The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
kali@kali:~$
```