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Se tendrá a Lubuntu con servidor ssh y a Windows como cliente ssh, los 2 están en la misma red

ip de Lubuntu: 192.168.0.11

ip de Windows: 192.168.0.12

```
rowell@rowell-vmwarevirtualplatform:~/Desktop$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:61:ec:9c brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.0.11/24 brd 192.168.0.255 scope global dynamic noprefixroute ens33
        valid_lft 3459sec preferred_lft 3459sec
    inet6 fe80::e5c0:5d6b:c4fc:9f0e/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\IssacLondon>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . : 
    IPv6 Address. . . . . : ::adcc:661e:958d:fce1
    Temporary IPv6 Address. . . . . : ::a569:6663:35ed:688e
    Link-local IPv6 Address . . . . . : fe80::adcc:661e:958d:fce1%11
    IPv4 Address. . . . . : 192.168.0.12
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.0.1

Tunnel adapter isatap.{28D94DBE-1978-4B77-8204-139BF26F0C9F}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :
```

En modo administrador, primero se instala el servidor openssh-server en Lubuntu

```
rowell@rowell-vmwarevirtualplatform:~/Desktop$ sudo su
[sudo] contraseña para rowell:
root@rowell-vmwarevirtualplatform:/home/rowell/Desktop# apt install openssh-server
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
openssh-server ya está en su versión más reciente (1:9.6p1-3ubuntu13.5).
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 188 no actualizados.
```

Se verifica si está activado el servicio con este comando:

systemctl status ssh

```
root@rowell-vmwarevirtualplatform:/home/rowell/Desktop# systemctl status ssh
o ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
   Active: inactive (dead)
   TriggeredBy: ● ssh.socket
   Docs: man:sshd(8)
        man:sshd_config(5)
root@rowell-vmwarevirtualplatform:/home/rowell/Desktop#
```

Si está desactivado se activa con este comando:

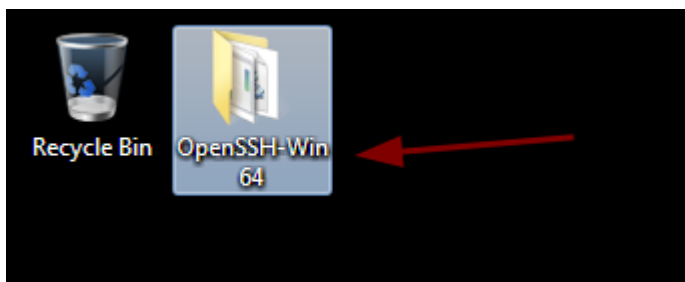
systemctl start ssh

```
root@rowell-vmwarevirtualplatform:/home/rowell/Desktop# systemctl start ssh
```

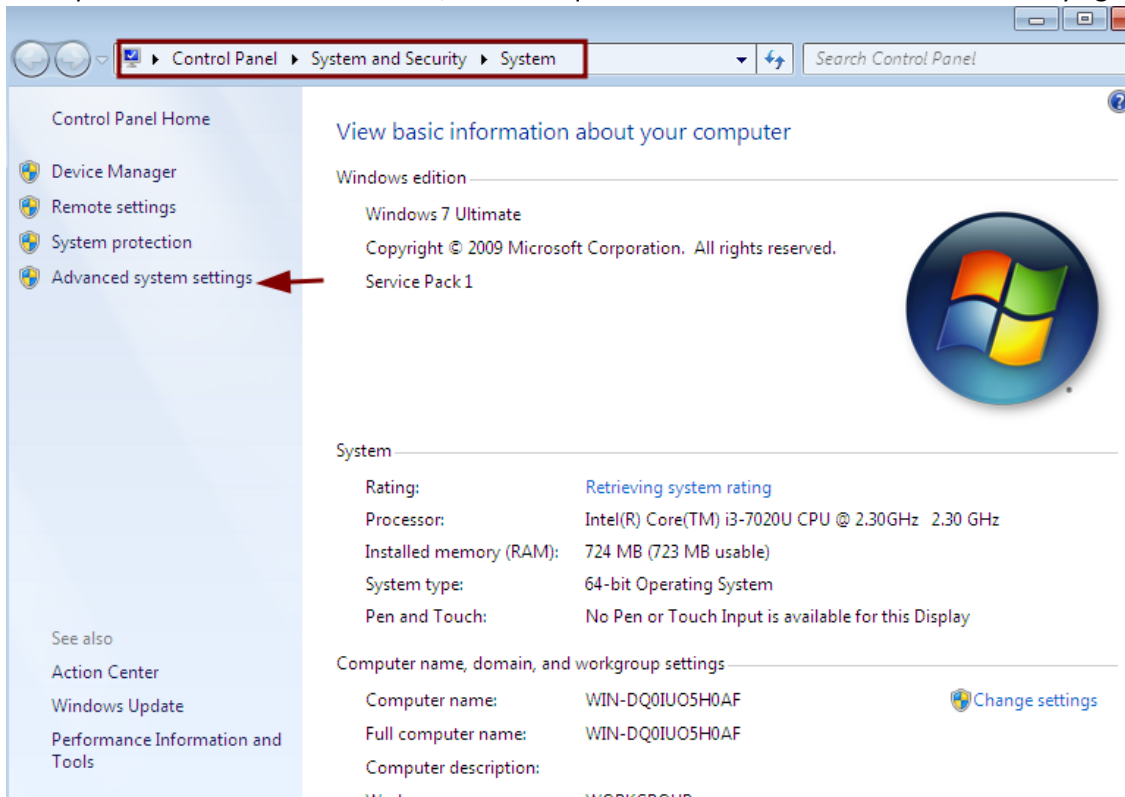
```
root@rowell-vmwarevirtualplatform:/home/rowell/Desktop# systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
   Active: active (running) since Wed 2024-10-09 05:19:18 -04; 11s ago
     TriggeredBy: ● ssh.socket
    Docs: man:sshd(8)
          man:sshd_config(5)
   Process: 2743 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
    Main PID: 2745 (sshd)
       Tasks: 1 (limit: 1000)
      Memory: 4.5M (peak: 4.8M)
         CPU: 50ms
    CGroup: /system.slice/ssh.service
            └─2745 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

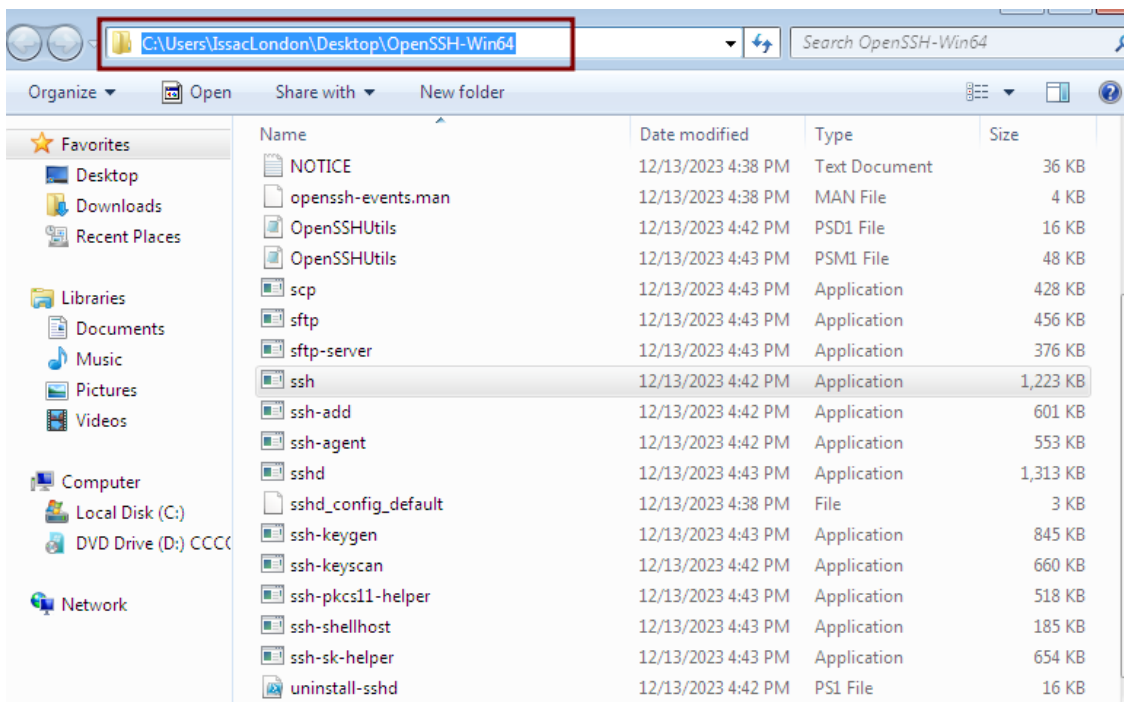
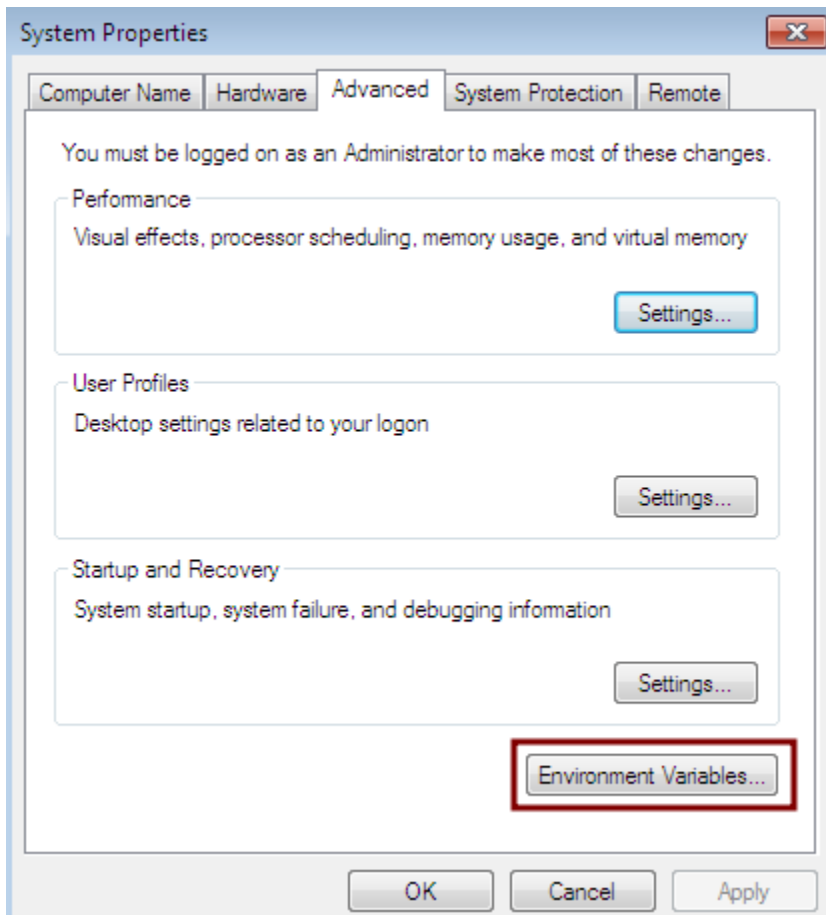
oct 09 05:19:18 rowell-vmwarevirtualplatform systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
oct 09 05:19:18 rowell-vmwarevirtualplatform sshd[2745]: Server listening on :: port 22.
oct 09 05:19:18 rowell-vmwarevirtualplatform systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
```

Con el servido ssh activado por el puerto 22, ahora obtenemos openssh para Windows 7

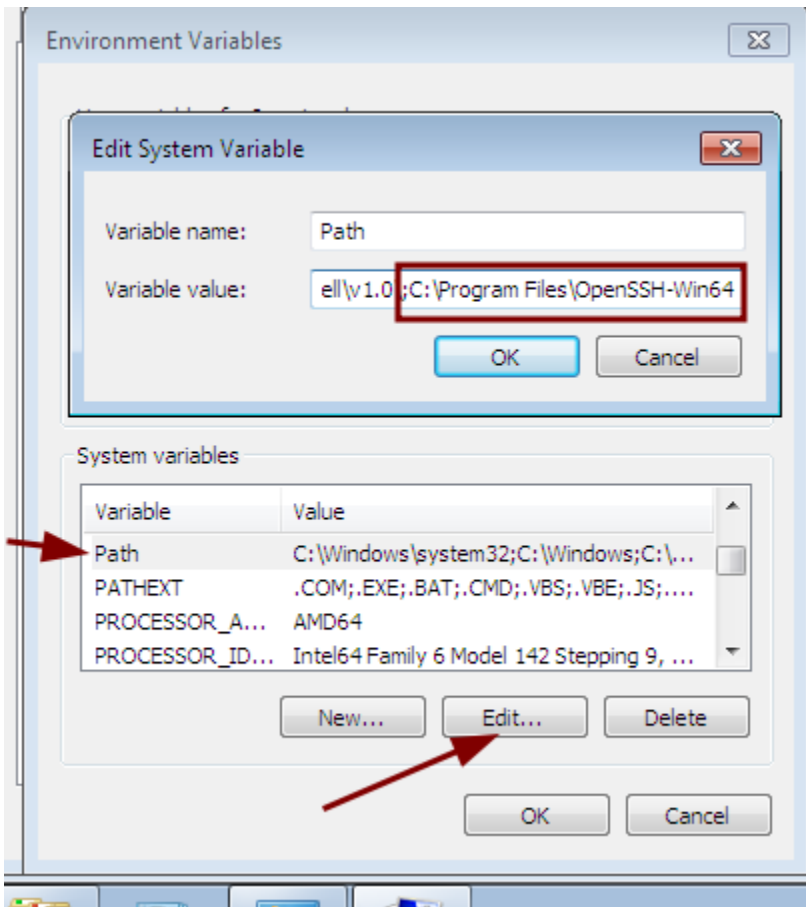


Para que en la terminal lo reconozca, tenemos que cambiar la variable de entorno PATH y agregar la ruta de la carpeta





Agregamos la dirección de la carpeta ssh a la variable PATH separando primero con un ';'.



Una vez modificado, abrimos la terminal de Windows y nos conectamos por ssh a Lubuntu con este comando:

ssh [rowell@192.168.0.12](mailto:rowell@192.168.0.12)

```
C:\Users\IssacLondon>ssh rowell@192.168.0.11
```

Escogemos la opción fingerprint, 'yes', y ponemos la contraseña del usuario rowell

```
C:\Users\IssacLondon>ssh rowell@192.168.0.11
The authenticity of host '192.168.0.11 (192.168.0.11)' can't be established.
ED25519 key fingerprint is SHA256:M+IqYNcz9QxwUuMDD2Tp6hXr2aaZu0Jw84YFkXwSyuE.
This host key is known by the following other names/addresses:
  C:\Users\IssacLondon/.ssh/known_hosts:1: 192.168.0.10
Are you sure you want to continue connecting (yes/no/[fingerprint])? fingerprint
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '192.168.0.11' (ED25519) to the list of known hosts.
rowell@192.168.0.11's password:
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-45-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro
Last login: Sun Oct  6 16:07:52 2024 from 192.168.0.11
```

Ya estamos conectados

```
pwd
/home/rowell
whoami
rowell
ip address

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:61:ec:9c brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.0.11/24 brd 192.168.0.255 scope global dynamic noprefixroute ens33
        valid_lft 2749sec preferred_lft 2749sec
    inet6 fe80::e5c0:5d6b:c4fc:9f0e/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```