

# Práctica 1. Acceso inicial y configuración segura del VPS

El objetivo de esta práctica es dejar preparado tu VPS de OVHCloud para trabajar durante el curso de forma segura y profesional. Configurarás el acceso SSH (por clave), la conexión desde VS Code y Git.

## Tareas:

### 1. Acceso inicial:

- Conéctate al VPS como usuario `debian` desde Windows por SSH (terminal o Solar Putty).

A screenshot of a terminal window titled "debian@vps-d0ce1e12: ~". The window shows the following text:  
Microsoft Windows [Versión 10.0.26100.4351]  
(c) Microsoft Corporation. Todos los derechos reservados.  
C:\Users\izand>ssh debian@vps-d0ce1e12.vps.ovh.net  
debian@vps-d0ce1e12.vps.ovh.net's password:  
Linux vps-d0ce1e12 6.1.0-40-cloud-amd64 #1 SMP PREEMPT\_DYNAMIC Debian 6.1.153-1 (2025-09-20) x86\_64  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*copyright.  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Mon Oct 27 12:51:35 2025 from 62.87.74.167  
debian@vps-d0ce1e12:~\$

Utilizamos el comando `ssh debian@nombre_vps` para acceder y ponemos la contraseña.

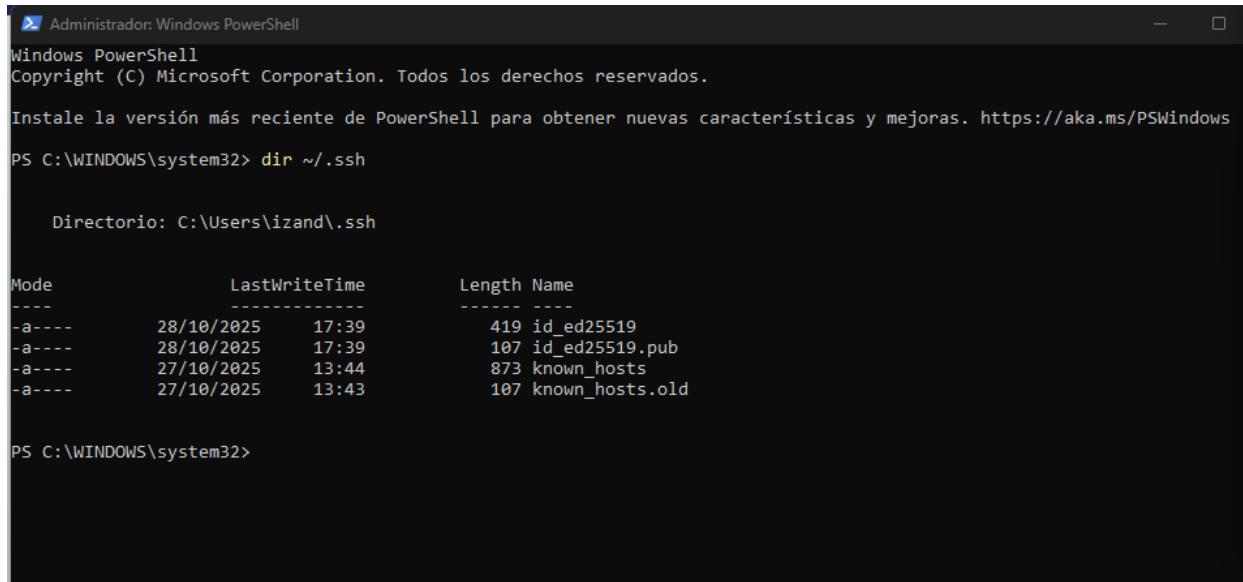
- Verifica que puedes ejecutar comando básicos: `ls`, `apt update`.

A screenshot of a terminal window titled "debian@vps-d0ce1e12: ~". The window shows the following text:  
debian@vps-d0ce1e12:~\$ sudo apt update  
Get:1 file:/etc/apt/mirrors/debian.list Mirrorlist [30 B]  
Get:2 file:/etc/apt/mirrors/debian-security.list Mirrorlist [39 B]  
Hit:7 https://download.docker.com/linux/debian bookworm InRelease  
Hit:3 https://deb.debian.org/debian bookworm InRelease  
Get:4 https://deb.debian.org/debian bookworm-updates InRelease [55.4 kB]  
Get:5 https://deb.debian.org/debian bookworm-backports InRelease [59.4 kB]  
Get:6 https://deb.debian.org/debian-security bookworm-security InRelease [48.0 kB]  
Get:8 https://deb.debian.org/debian bookworm-backports/main Sources.diff/Index [63.3 kB]  
Get:9 https://deb.debian.org/debian bookworm-backports/main Sources T-2025-10-28-1411.03-F-2025-10-28-  
1411.03.pdiff [33 B]  
Get:9 https://deb.debian.org/debian bookworm-backports/main Sources T-2025-10-28-1411.03-F-2025-10-28-  
1411.03.pdiff [33 B]  
Get:10 https://deb.debian.org/debian-security bookworm-security/main Sources [180 kB]  
Get:11 https://deb.debian.org/debian-security bookworm-security/main amd64 Packages [284 kB]  
Get:12 https://deb.debian.org/debian-security bookworm-security/main Translation-en [172 kB]  
Fetched 862 kB in 1s (697 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
6 packages can be upgraded. Run 'apt list --upgradable' to see them.  
W: https://download.docker.com/linux/debian/dists/bookworm/InRelease: Key is stored in legacy trusted.  
gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.  
debian@vps-d0ce1e12:~\$

Comprobamos que podemos hacer `sudo apt update`

## 2. Configuración de clave SSH:

- *Genera un par de claves SSH en tu equipo*



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\WINDOWS\system32> dir ~/.ssh

Directorio: C:\Users\izand\.ssh

Mode                LastWriteTime         Length Name
----                -              -          -
-a---    28/10/2025      17:39           419 id_ed25519
-a---    28/10/2025      17:39          107 id_ed25519.pub
-a---    27/10/2025     13:44          873 known_hosts
-a---    27/10/2025     13:43          107 known_hosts.old

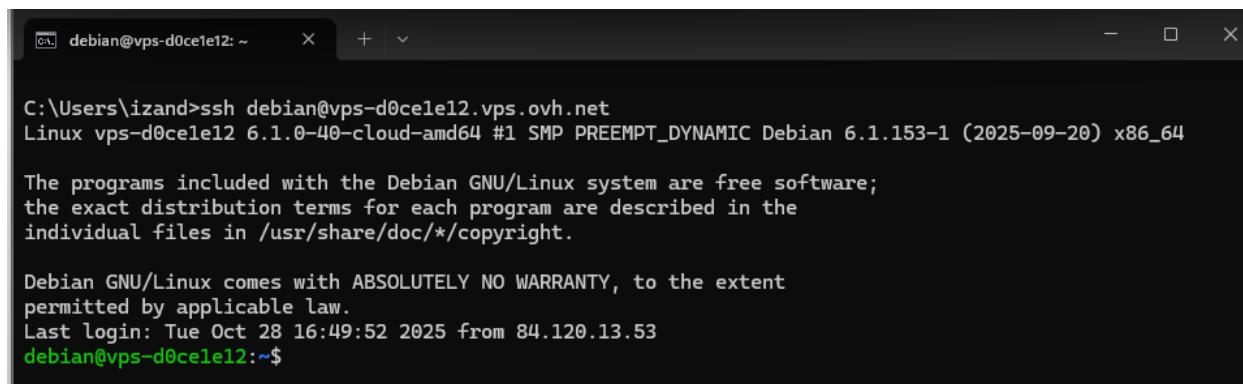
PS C:\WINDOWS\system32>
```

Una vez generado el par de claves lo comprobamos en el directorio ssh

- *Copia la clave pública al VPS (~/.ssh/authorized\_keys)*

Utilizamos los comandos:

- **mkdir -p ~/.ssh**
- **nano ~/.ssh/authorized\_keys**
- *Comprueba que puedes acceder sin escribir contraseña*



```
debian@vps-d0ce1e12: ~      + - X

C:\Users\izand>ssh debian@vps-d0ce1e12.vps.ovh.net
Linux vps-d0ce1e12 6.1.0-40-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.153-1 (2025-09-20) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Oct 28 16:49:52 2025 from 84.120.13.53
debian@vps-d0ce1e12:~$
```

Si nos fijamos no aparece el apartado de introducir la contraseña

## 4. Acceso desde Visual Studio Code

(En este apartado he tenido que modificar unas cosas pues no me iba correctamente)

- *Instala la extensión Remote -SSH:*
- *Crea o edita el archivo C:\Users\<tu\_usuario>\.ssh\config*

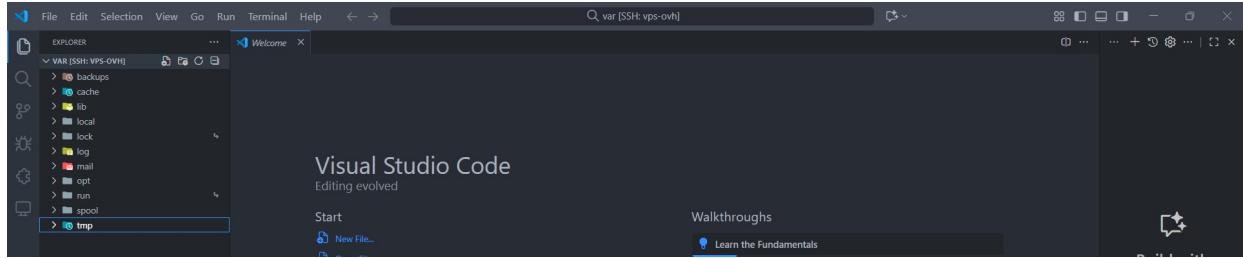
*Host vps-ovh*

*HostName vps-d0ce1e12.vps.ovh.net*

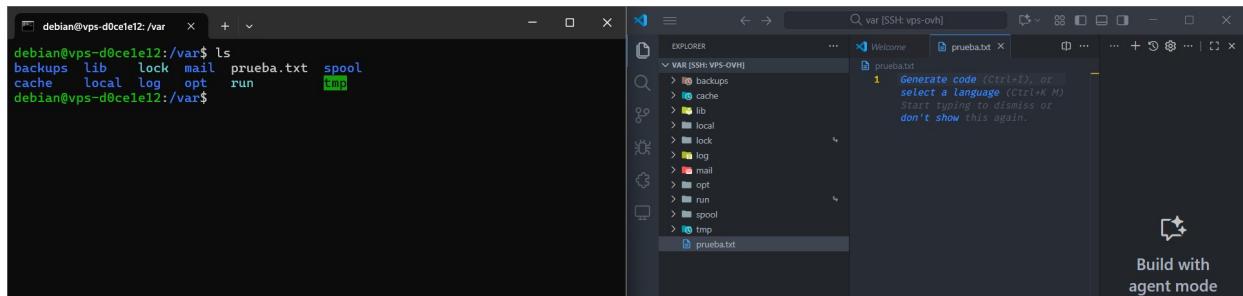
*User root*

*IdentityFile C:\Users\izand\.ssh\id\_ed25519*

- Conéctate al VPS desde VS Code y abre /var/www.

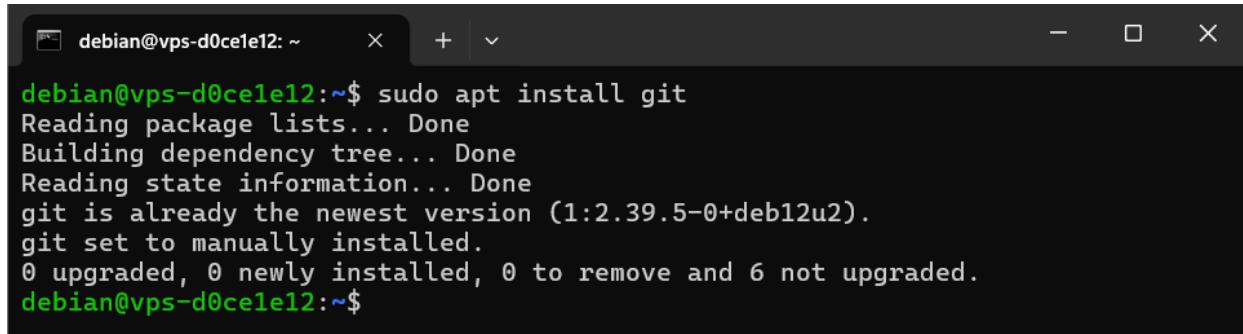


- Crea un archivo prueba.txt y verifica su existencia desde la terminal remota.

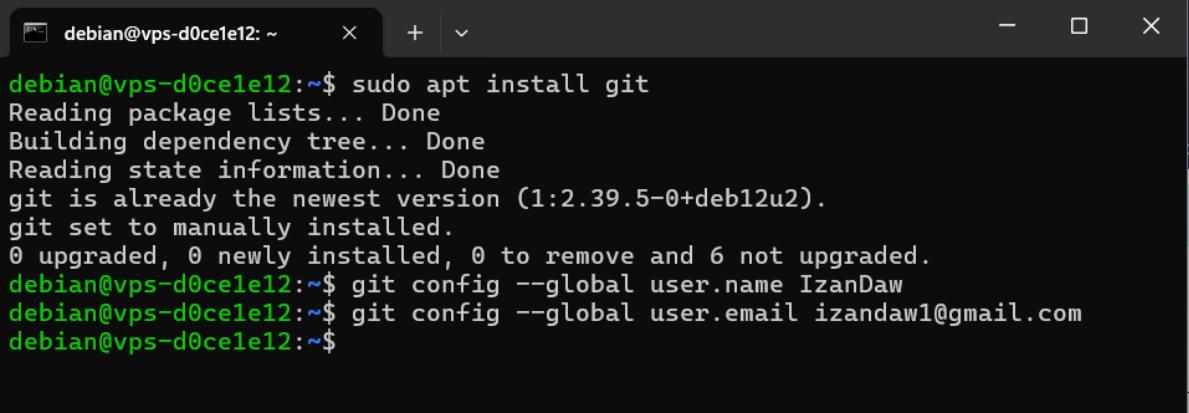


## 5. Instalación de Git:

- Instala Git (`sudo apt install git`).



- Configura tu identidad:
  - `git config --global user.name "Tu Nombre"`
  - `git config --global user.email "tu_email@dominio.com"`



A screenshot of a terminal window titled "debian@vps-d0ce1e12: ~". The window shows the following command-line session:

```
debian@vps-d0ce1e12:~$ sudo apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.39.5-0+deb12u2).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 6 not upgraded.
debian@vps-d0ce1e12:~$ git config --global user.name IzanDaw
debian@vps-d0ce1e12:~$ git config --global user.email izandaw1@gmail.com
debian@vps-d0ce1e12:~$
```