

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).*

```
debian@vps-d0ce1e12: ~
Microsoft Windows [Versión 10.0.26100.4351]
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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.

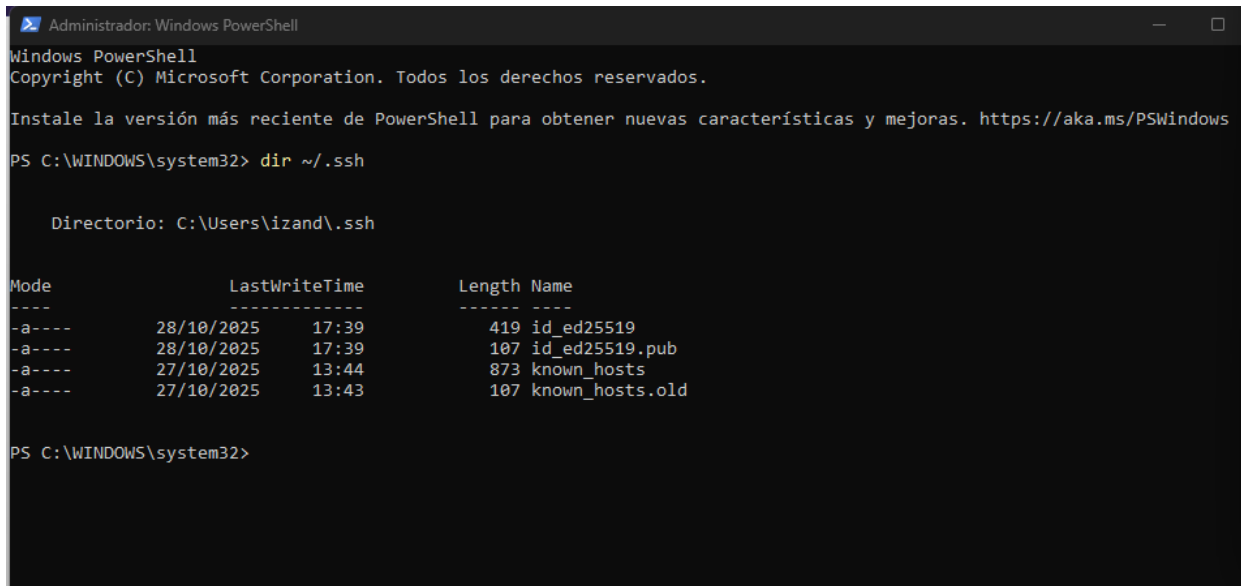
- *Verifica que puedes ejecutar comando básicos: **ls**, **apt update**.*

```
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*



```
Administrador: 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

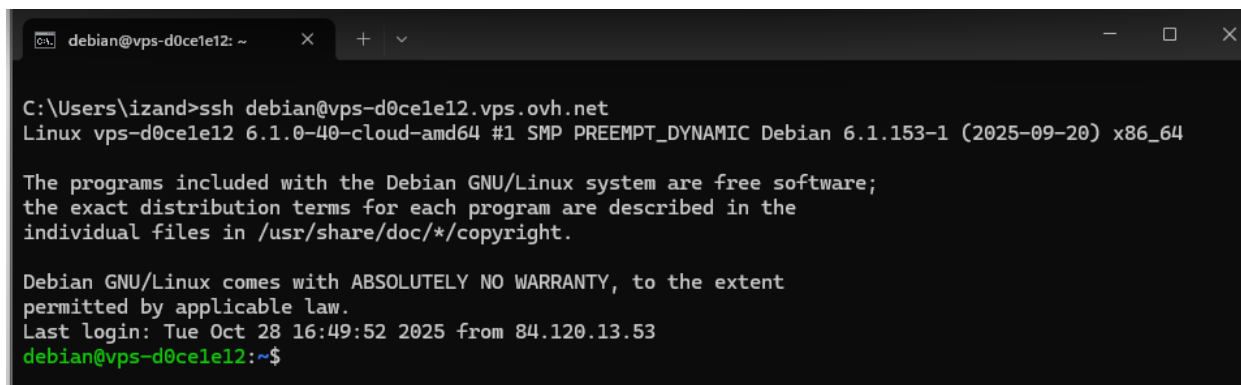
PS C:\WINDOWS\system32>
```

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: ~
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

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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*

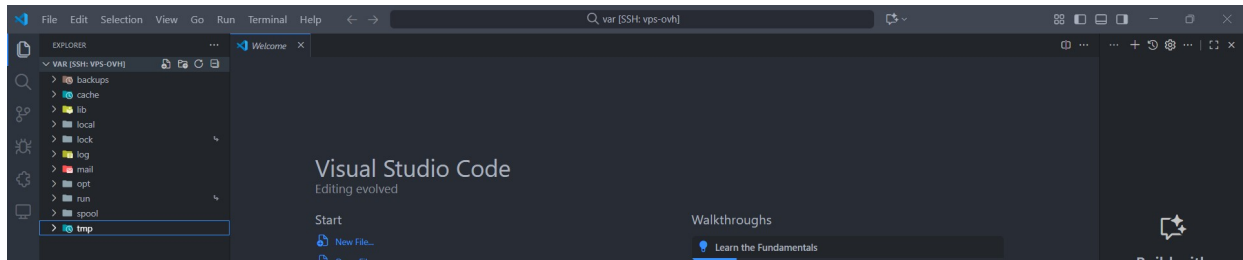
Host vps-ovh

HostName vps-d0ce1e12.vps.ovh.net

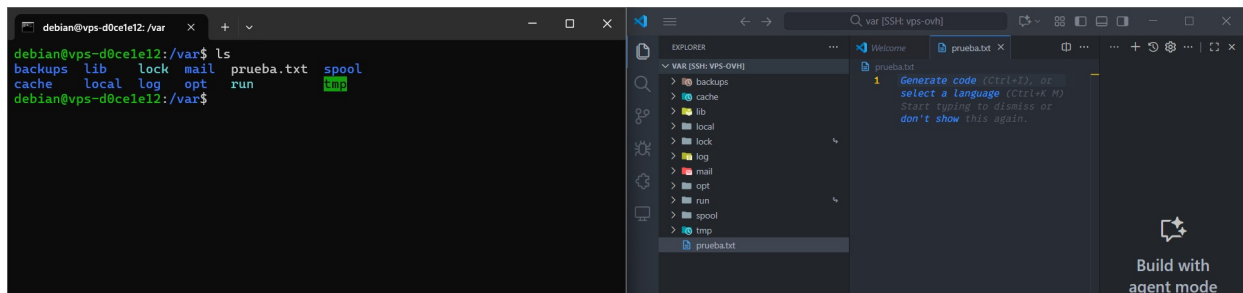
User root

IdentityFile C:\Users\izand\.ssh\id_ed25519

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

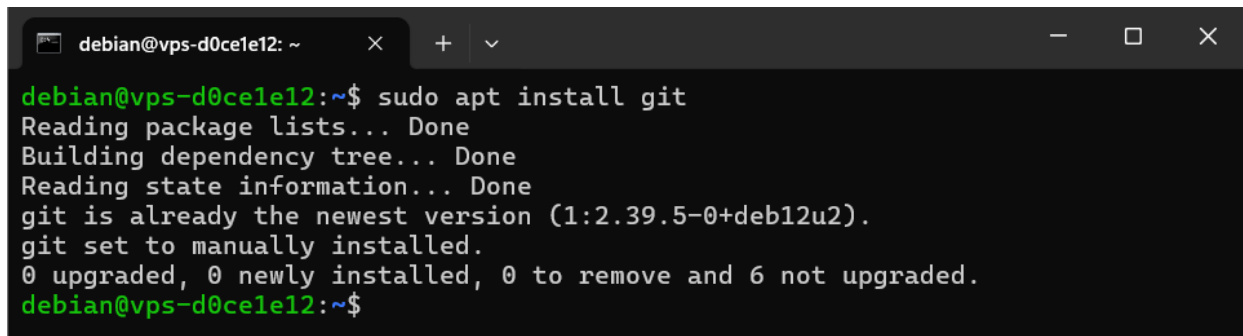


- *Crea un archivo prueba.txt y verifica su existencia desde la terminal remota.*



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"*

```
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.  
$ git config --global user.name IzanDaw  
$ git config --global user.email izandaw1@gmail.com  
$
```