

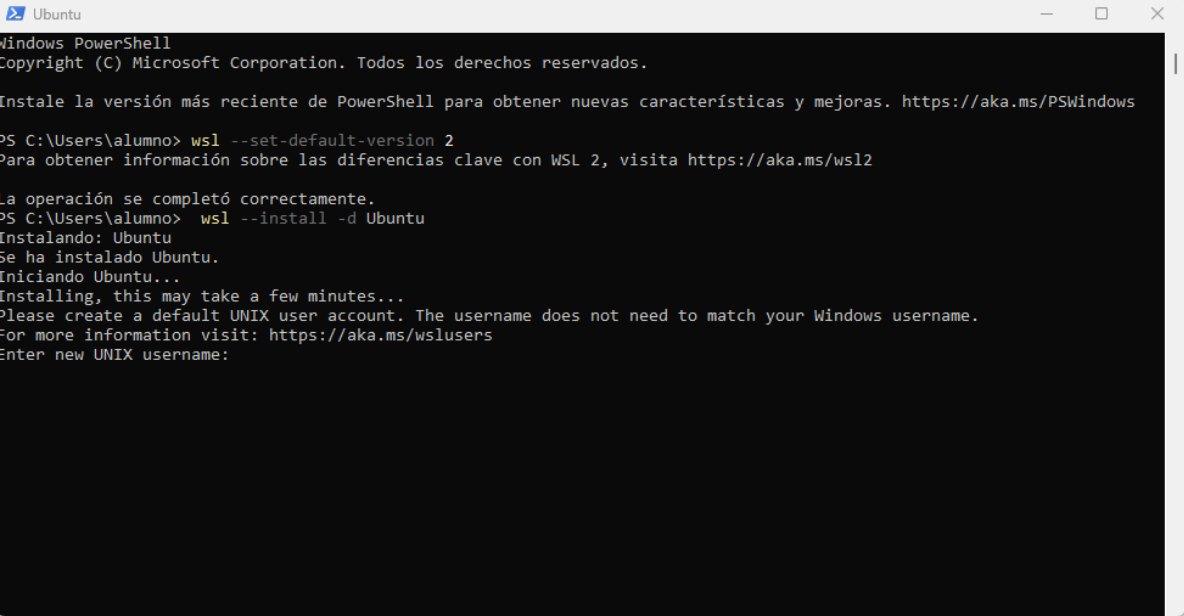
# docker

## INTRODUCCIÓN:

Docker es una aplicación que nos ayuda crear, ejecutar y gestionar los contenedores. Dentro de este tenemos Docker Compose que es una herramienta complementaria que permite definir y ejecutar varios contenedores al mismo tiempo usando un solo archivo

## Paso 1. Descarga e instalación de Docker

Problemas a la hora de instala la wls de docker



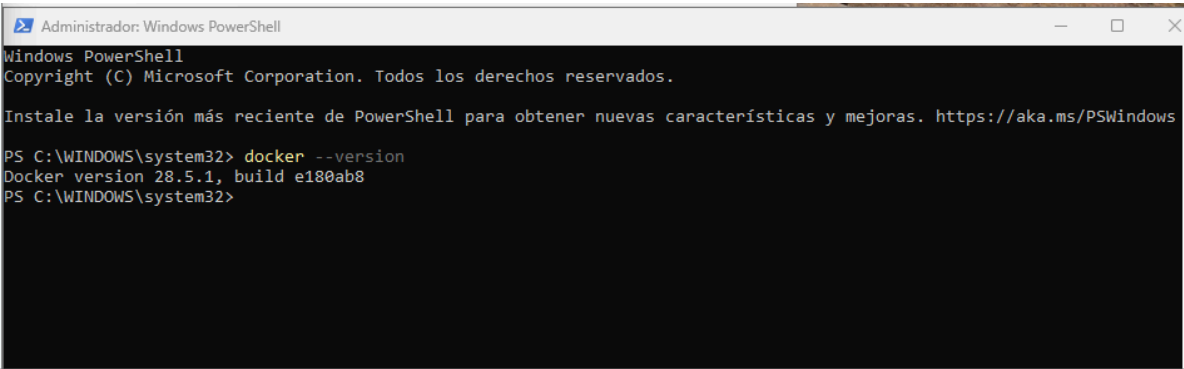
```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\alumno> wsl --set-default-version 2
Para obtener información sobre las diferencias clave con WSL 2, visita https://aka.ms/wsl2

La operación se completó correctamente.
PS C:\Users\alumno> wsl --install -d Ubuntu
Instalando: Ubuntu
Se ha instalado Ubuntu.
Iniciando Ubuntu...
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username:
```

Para saber la version de docker que tenemos que poner en la powershell el siguiente comando : `docker --version`



```
Administrador: Windows PowerShell

Windows PowerShell
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PS C:\WINDOWS\system32> docker --version
Docker version 28.5.1, build e180ab8
PS C:\WINDOWS\system32>
```

Para comprobar que docker puede ejecutar correctamente los contenedores necesitamos el siguiente comando : `docker run hello-world`

```
Administrador: Windows PowerShell
PS C:\WINDOWS\system32> docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:f7931603f70e13dbd844253370742c4fc4202d290c80442b2e68706d8f33ce26
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

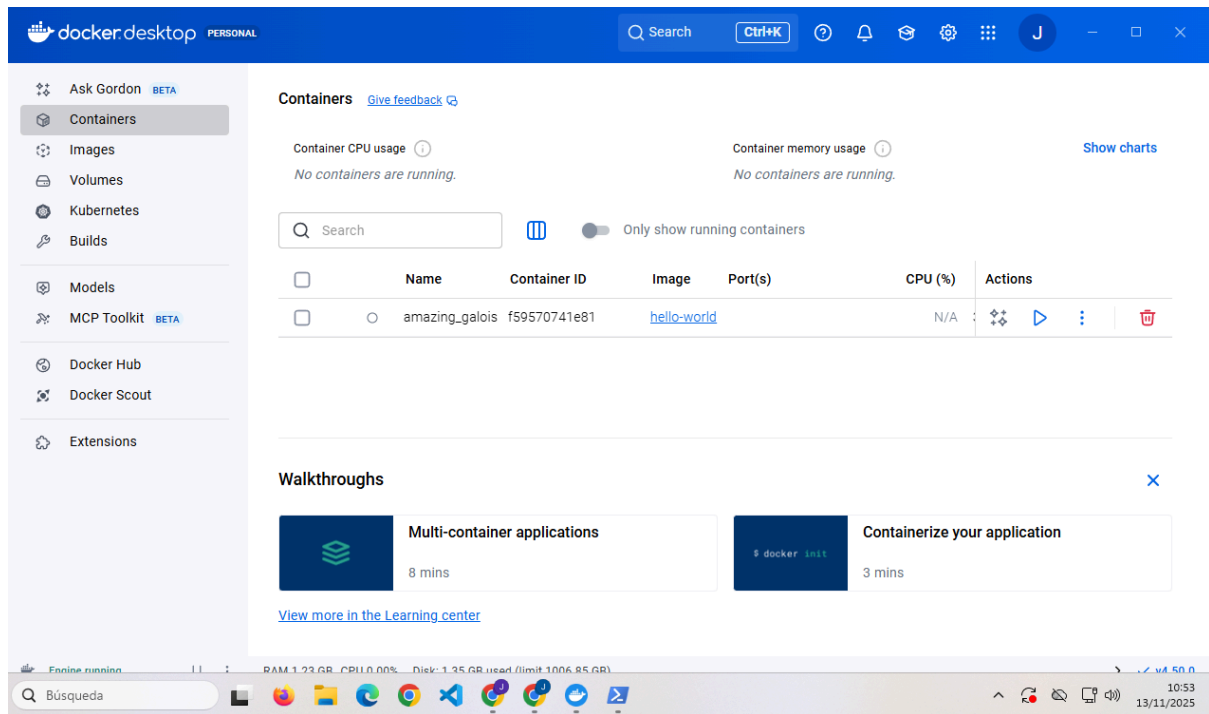
To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

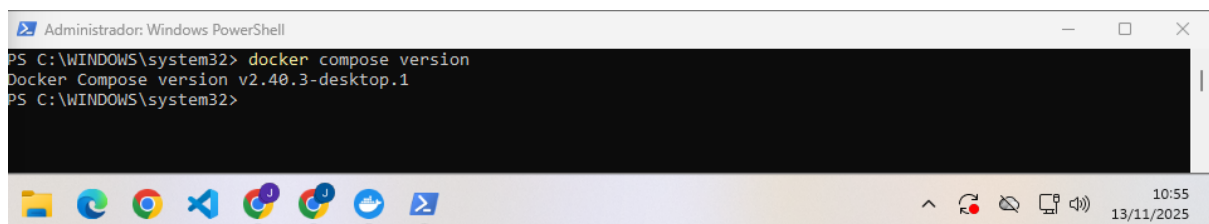
PS C:\WINDOWS\system32>
```

Y después de ejecutar este comando en la aplicación nos saldrá que se ha aplicado ese comando como se muestra en la siguiente imagen.

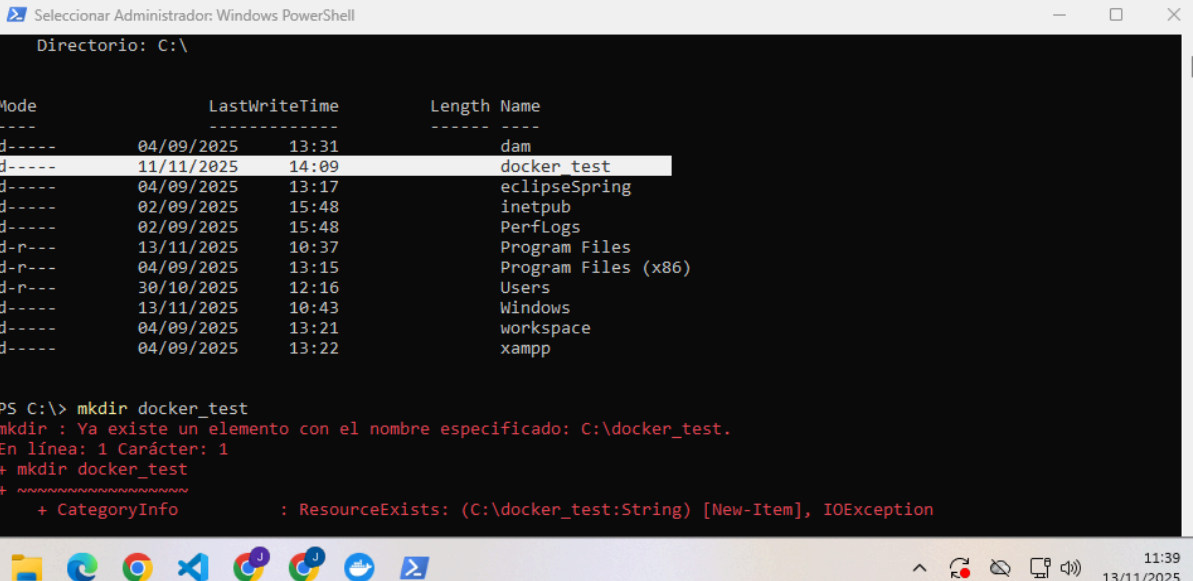


## Paso 2. Instalación y comprobación de Docker Compose en Windows 11

Con el comando `docker compose version` podemos saber la version que tiene



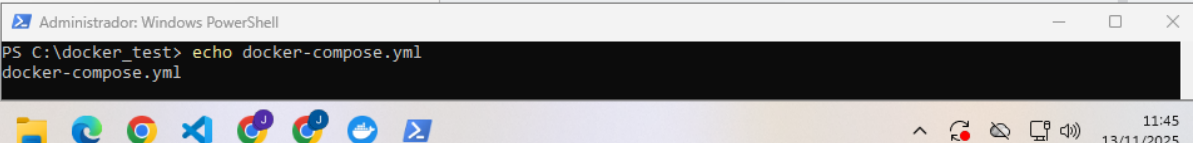
Creación del directorio `docker_test` es con el comando `mkdir` (y nombre del directorio)  
Como se puede ver el directorio ya está creado con anterioridad (se me olvidó hacerle captura cuando lo cree)



Selecc...

```
Directorio: C:\  
  
Mode                LastWriteTime         Length Name  
----                -  
d-----          04/09/2025      13:31         dam  
d-----          11/11/2025      14:09      docker_test  
d-----          04/09/2025      13:17      eclipseSpring  
d-----          02/09/2025      15:48         inetpub  
d-----          02/09/2025      15:48         PerfLogs  
d-r-----        13/11/2025      10:37      Program Files  
d-r-----          04/09/2025      13:15      Program Files (x86)  
d-r-----        30/10/2025      12:16         Users  
d-----          13/11/2025      10:43         Windows  
d-----          04/09/2025      13:21         workspace  
d-----          04/09/2025      13:22         xampp  
  
PS C:\> mkdir docker_test  
mkdir : Ya existe un elemento con el nombre especificado: C:\docker_test.  
En línea: 1 Carácter: 1  
+ mkdir docker_test  
+ ~~~~~  
+ CategoryInfo          : ResourceExists: (C:\docker_test:String) [New-Item], IOException
```

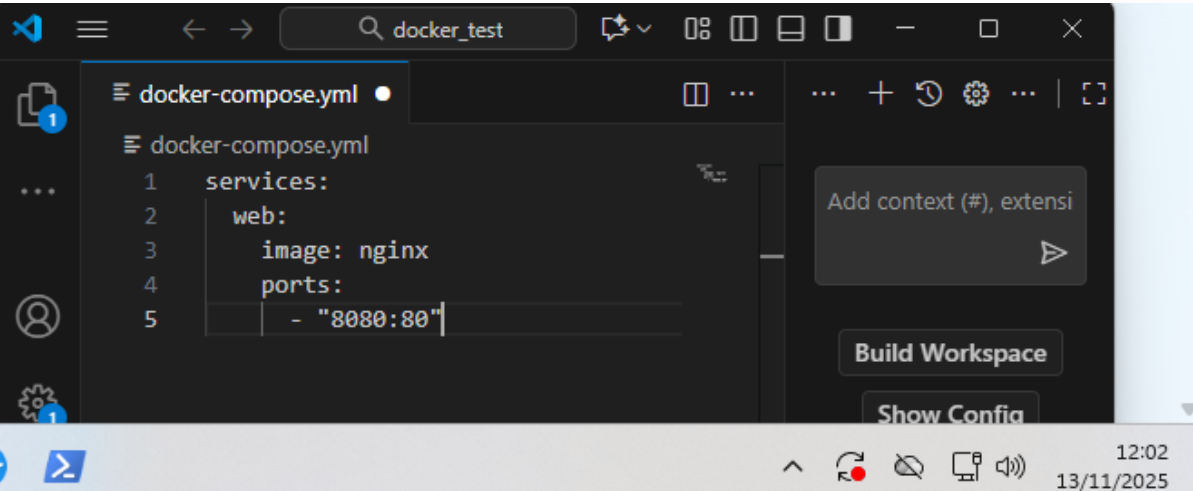
Creamos dentro del directorio un archivo con nombre `docker-compose.yml` con el siguiente comando.



Administrador: Windows PowerShell

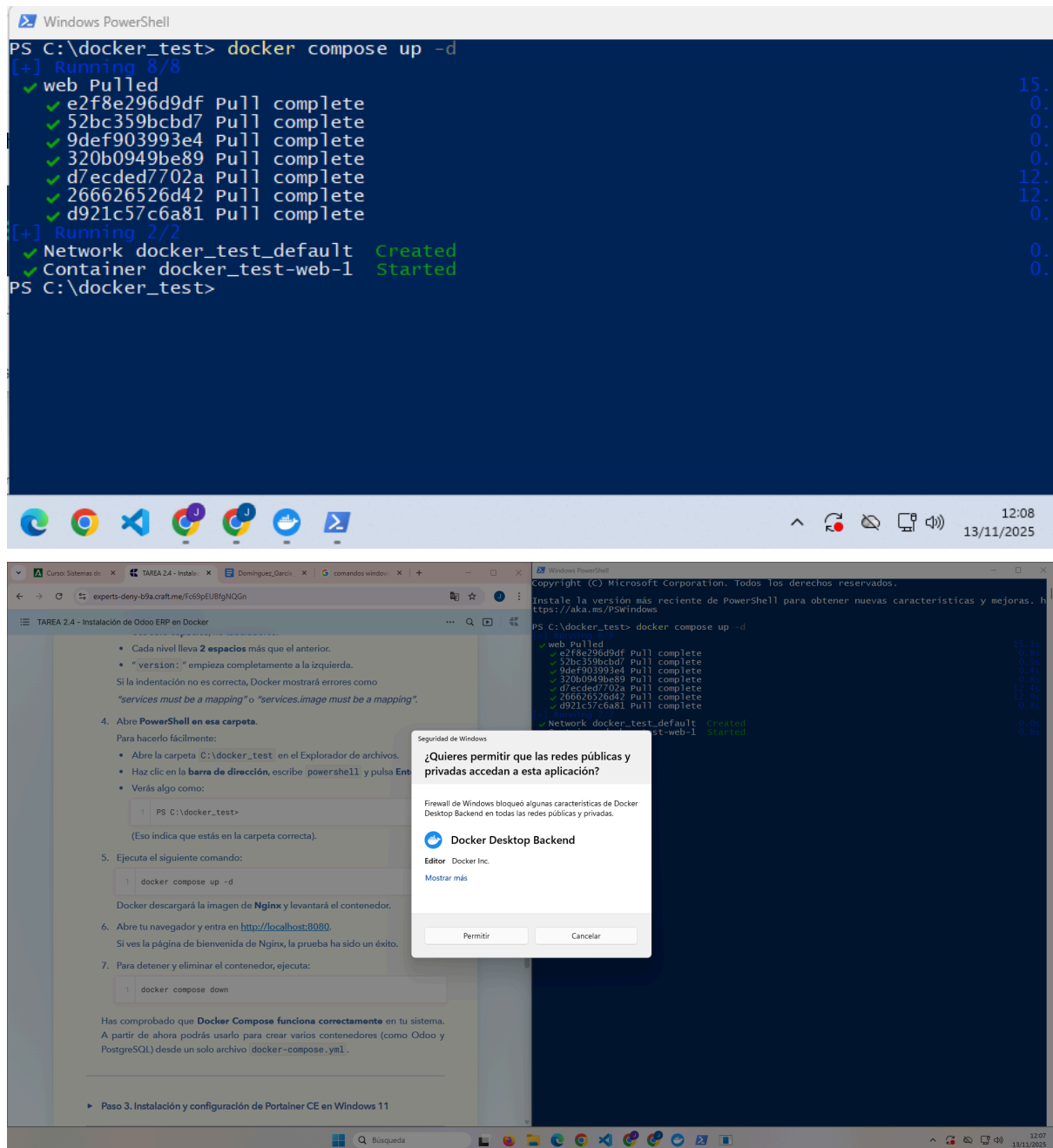
```
PS C:\docker_test> echo docker-compose.yml  
docker-compose.yml
```

Después de crear el archivo dentro de Visual Studio Code cambiamos su contenido.



```
docker_test  
docker-compose.yml  
1  services:  
2    web:  
3      image: nginx  
4      ports:  
5        - "8080:80"
```

Comando docker compose up -d para encender el compose.



## Comando para apagar el compose

```
Windows PowerShell
PS C:\docker_test> docker compose down
[+] Running 2/2
✔ Container docker_test-web-1   Removed
✔ Network docker_test_default   Removed
PS C:\docker_test>
```

```
Windows PowerShell
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PS C:\docker_test> docker volume create portainer_data
portainer_data
PS C:\docker_test> docker run -d -p 9000:9000 -p 9443:9443 --name portainer --restart=always -v /var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer-ce:latest
Unable to find image 'portainer/portainer-ce:latest' locally
latest: Pulling from portainer/portainer-ce
4f4fb700ef54: Download complete
c551c6af3241: Downloading 9.437MB/20.46MB
d35c85f36345: Downloading 15.73MB/30.16MB
2d896f38a01e: Download complete
22d4f45bf667: Pull complete
f3e139b9cd66: Downloading 9.437MB/10.42MB
9f7772ceb88a: Download complete
089b96337e3d: Pull complete
```

## Comprobar los contenedores

```
Windows PowerShell
PS C:\docker_test> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
9fd0cf490c0	portainer/portainer-ce:latest	"/portainer"	About a minute ago	Up 58 seconds	0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp, 0.0.0.0:9443->9443/tcp, [::]:9443->9443/tcp

```
PS C:\docker_test>
```

Entrar en la web

The screenshot shows a web browser window with the Portainer.io interface. The browser's address bar shows 'localhost:9000/#/init/admin'. The page title is 'PORTAINER.io'. The main content area is titled 'New Portainer installation' and contains a form for creating an initial administrator user. The form includes fields for 'Username' (pre-filled with 'admin'), 'Password', and 'Confirm password'. A message below the fields states: 'The password must be at least 12 characters long.' There is a 'Create user' button and a checkbox for 'Allow collection of anonymous statistics. You can find more information about this in our [privacy policy](#).' Below the form is a link to 'Restore Portainer from backup'. The Windows taskbar at the bottom shows the time as 12:22 on 13/11/2025.

PORTAINER.io

✓ New Portainer installation

Please create the initial administrator user.

Username

Password

Confirm password

⚠ The password must be at least 12 characters long.

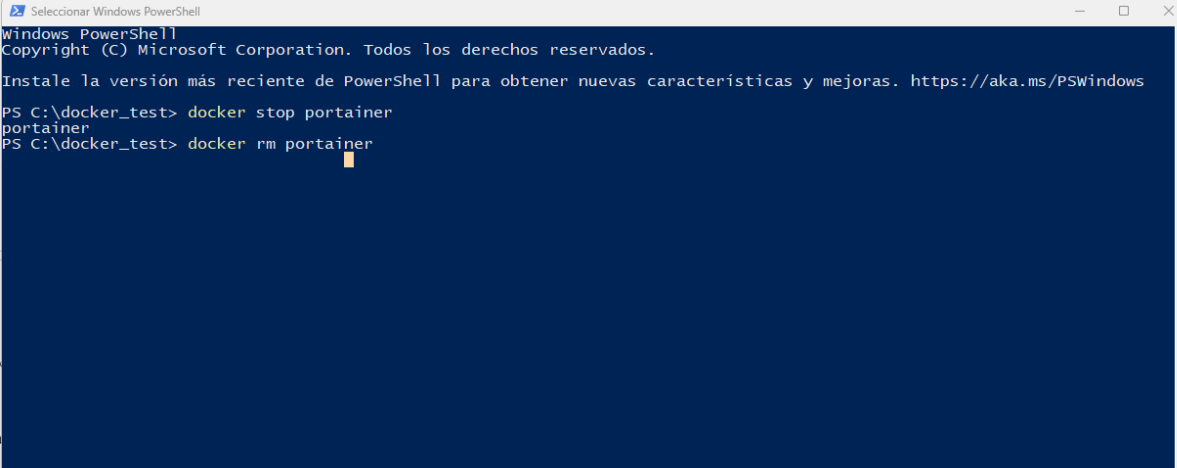
Create user

☒ Allow collection of anonymous statistics. You can find more information about this in our [privacy policy](#).

> Restore Portainer from backup

12:22  
13/11/2025

## Comando para parar y borrar el portainer



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

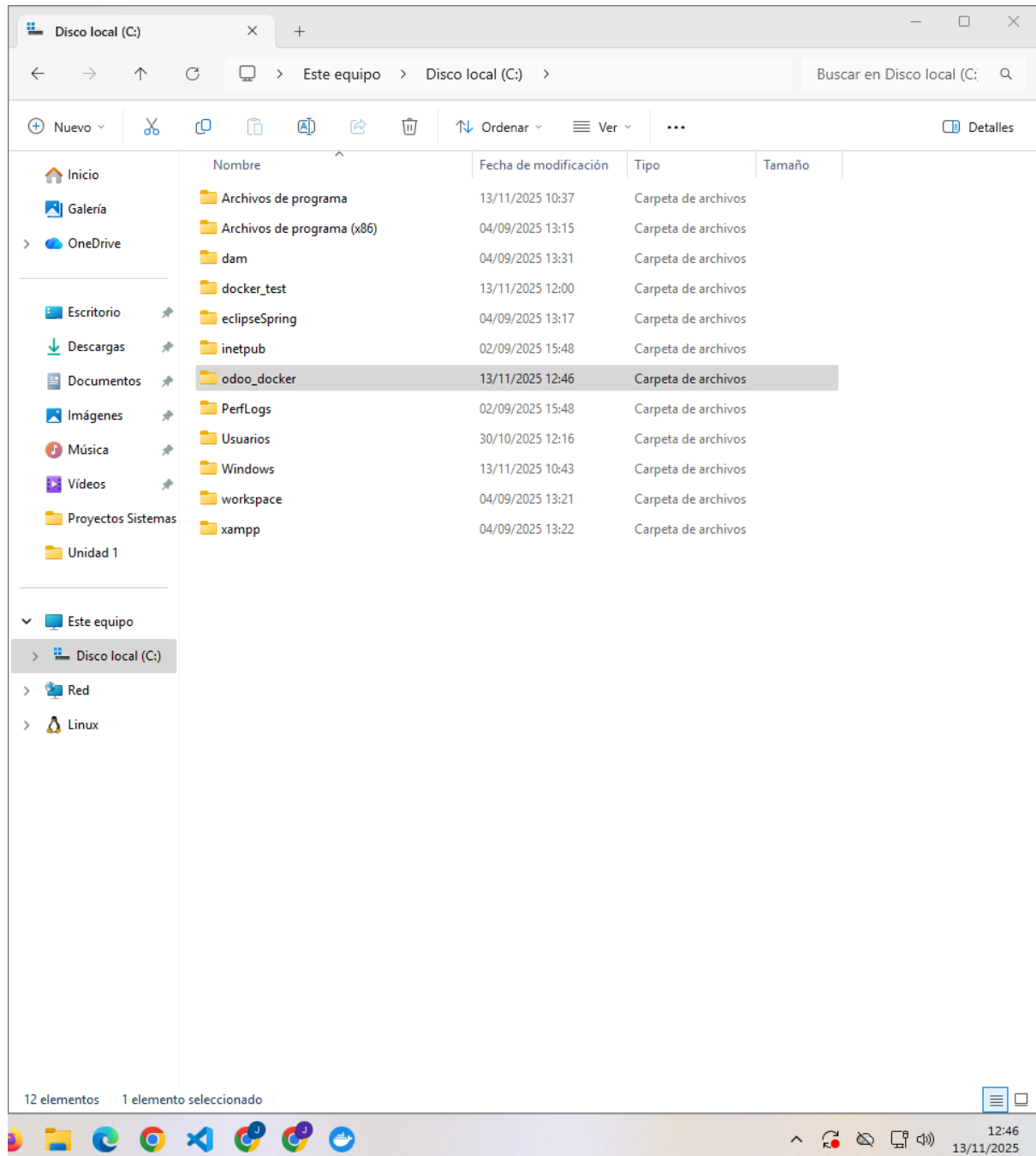
Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\docker_test> docker stop portainer
portainer
PS C:\docker_test> docker rm portainer
```

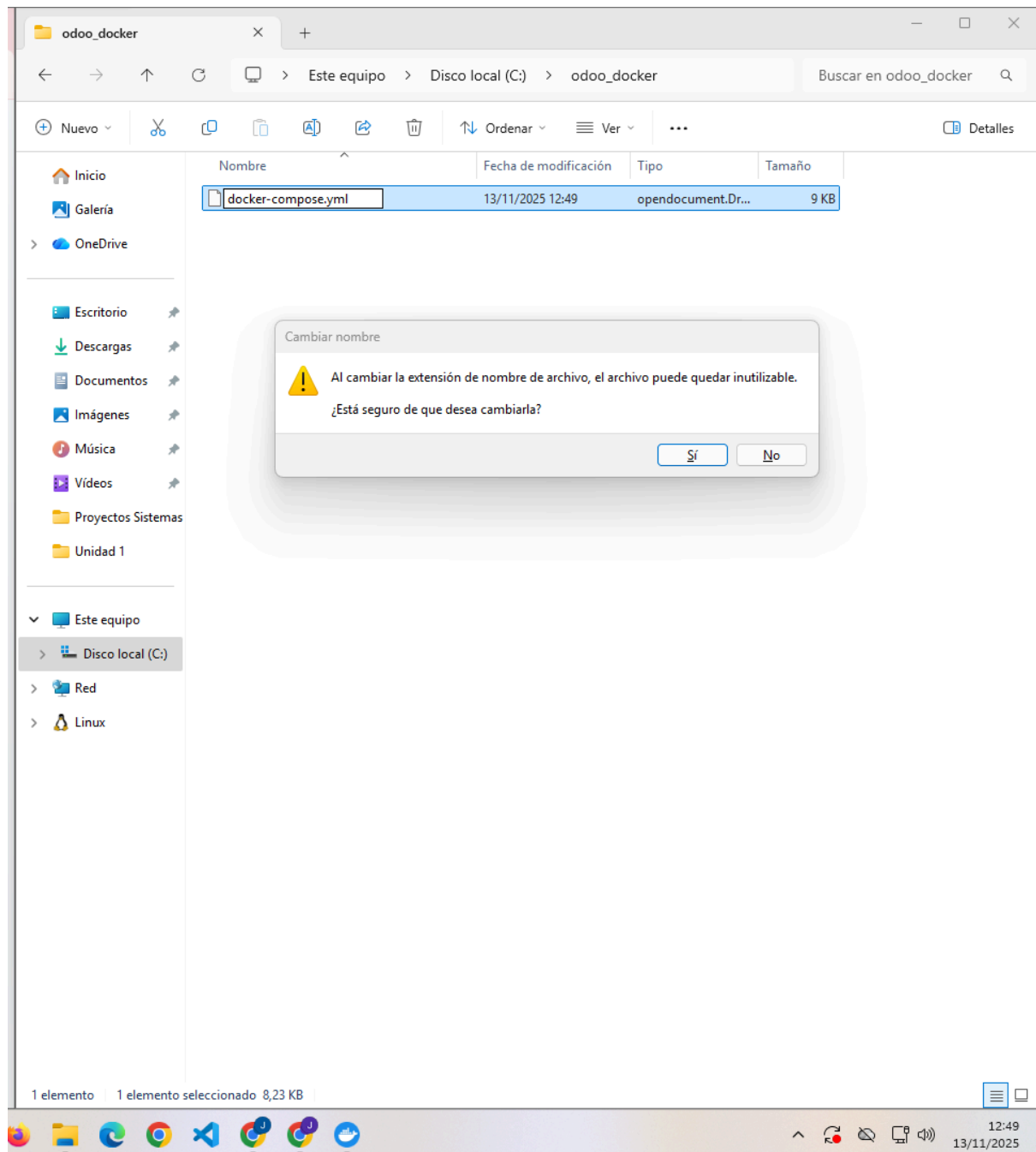
The screenshot shows a Windows PowerShell terminal window with a dark blue background. The title bar reads "Seleccionar Windows PowerShell". The terminal displays the Windows PowerShell copyright notice and a message about installing the latest version of PowerShell. The user is in the directory "C:\docker\_test" and has entered two commands: "docker stop portainer" followed by "portainer" on a new line, and then "docker rm portainer". The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system clock in the bottom right corner indicates the time is 12:44 on 13/11/2025.

## Paso 4. Creación del contenedor de Odoo y PostgreSQL con Docker Compose

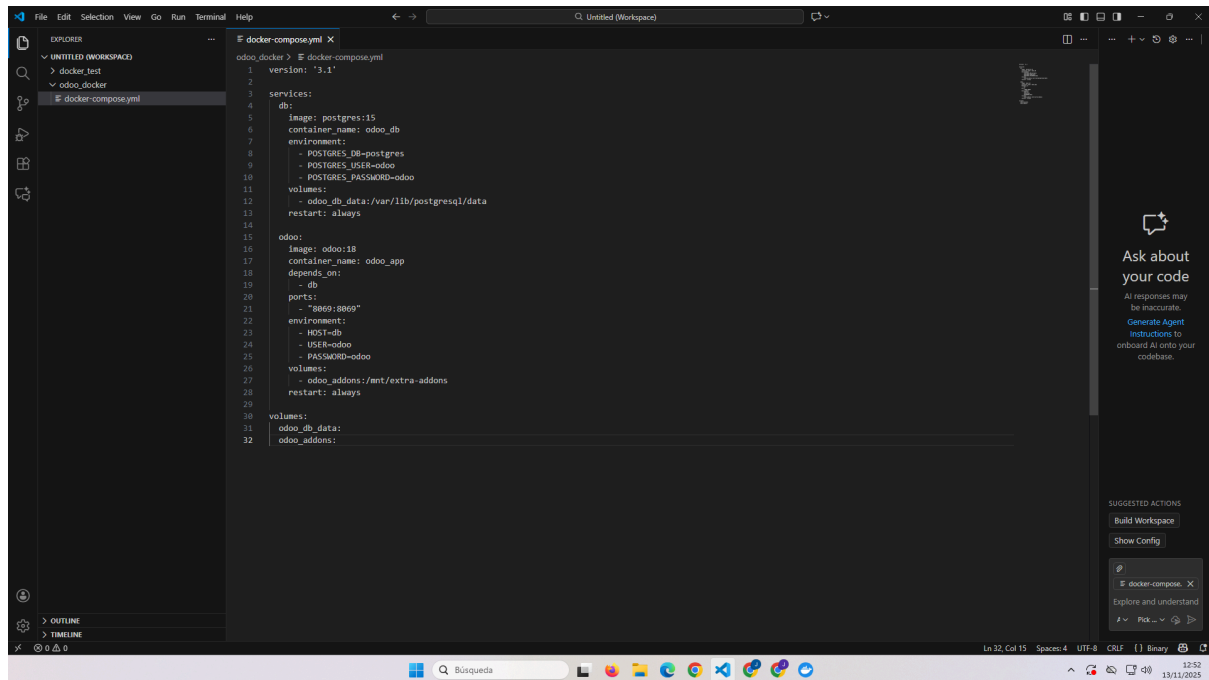
### Creación de la carpeta odoo\_docker



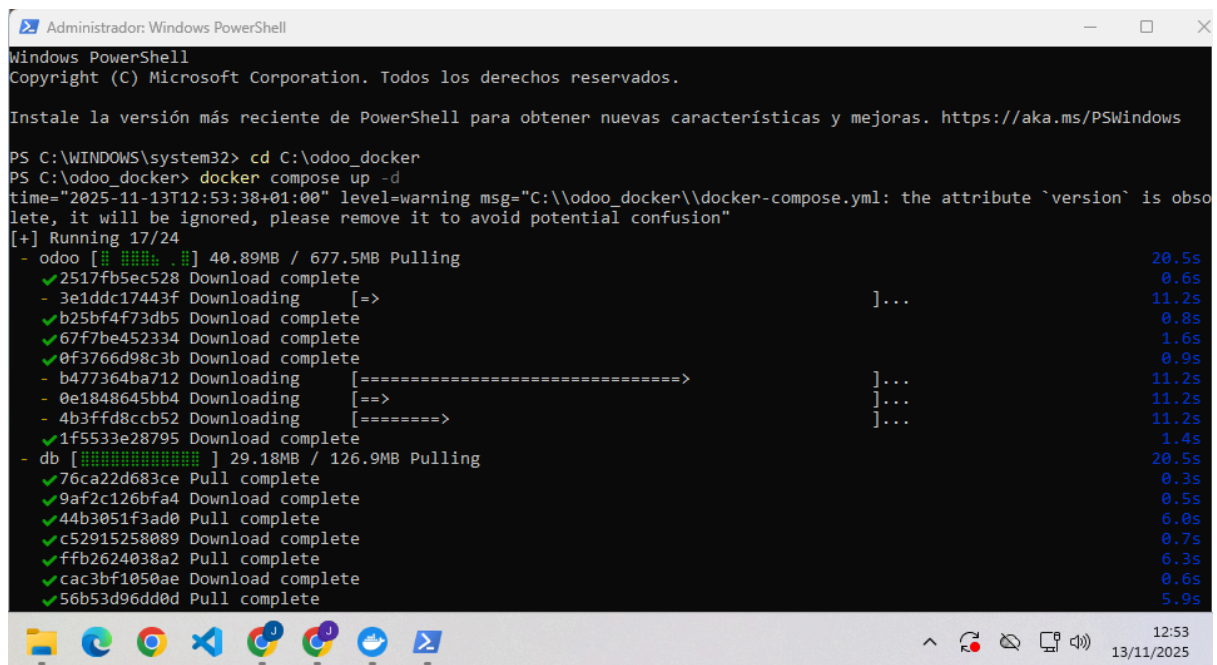
Dentro de la carpeta creamos el fichero docker-compose.yml le damos a que si y se nos creara.



Entramos en Visual Studios dentro del fichero y lo cambiamos por lo siguiente que se ve en la captura de pantalla.



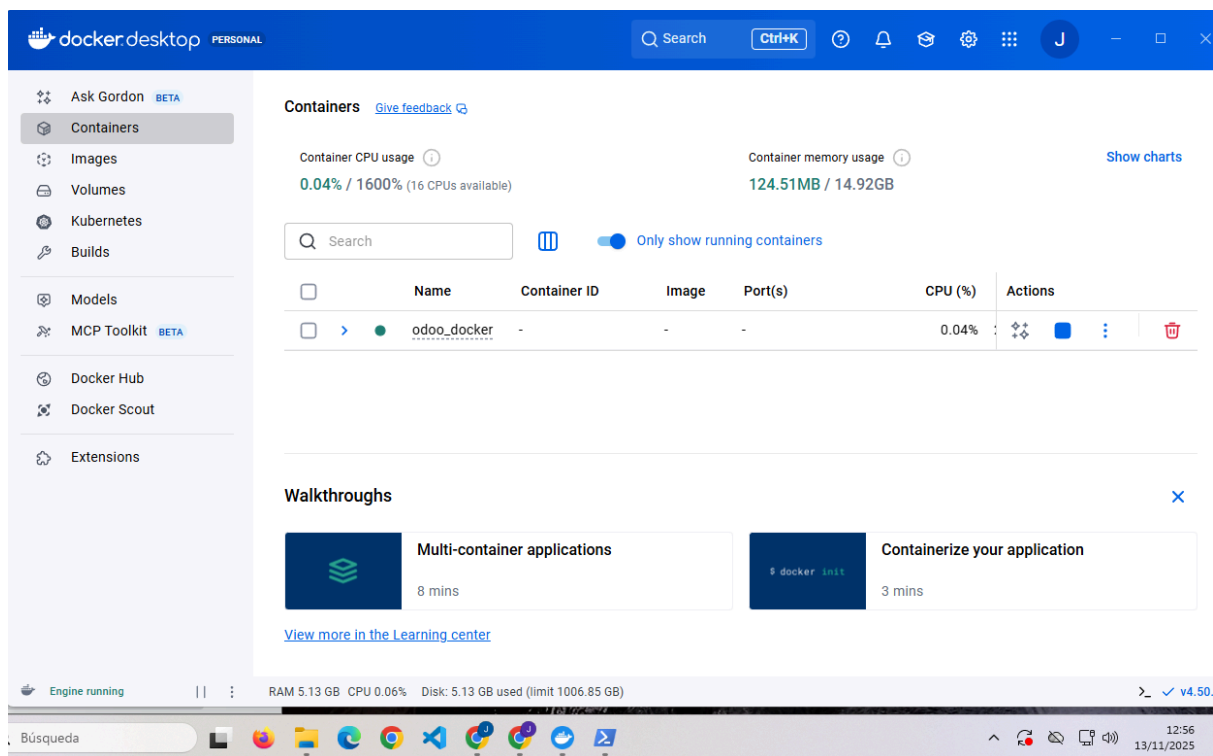
Hacemos el `docker_compose` del `odoo_docker`



```
Administrador: Windows PowerShell

✓c770ce63d8d6 Pull complete                                0.8s
✓51fc08ce70d7 Pull complete                                58.3s
+] Running 5/5
✓Network odoo_docker_default Created                        0.0s
✓Volume odoo_docker_odoo_db_data Created                   0.0s
✓Volume odoo_docker_odoo_addons Created                     0.0s
✓Container odoo_db Started                                  2.8s
✓Container odoo_app Started                                 0.8s
PS C:\odoo_docker>
```


Comprobación en docker y lo abrimos en la pagina con la siguiente direccion :  
<http://localhost:8069>



Sistemas de gestión xTAREA 2.4 - Instalac xOdoo xDominguez\_García x+

localhost:8069/web/database/selector

inglésespañolGoogle Translate



Warning, your Odoo database manager is not protected. To secure it, we have generated the following master password for it:

**pesd-i2ph-tf72**

You can change it below but be sure to remember it, it will be asked for future operations on databases.

Master Password

Database Name

Email

Password

Phone Number

Language

Country

Demo Data


.....

English (US)

☐

Create database

[or restore a database](#)



12:57

13/11/2025

Detener y Iniciar el odoo\_app y odoo\_db

```
Administrador: Windows PowerShell
PS C:\odoo_docker> docker compose stop
time="2025-11-13T13:01:30+01:00" level=warning msg="C:\\odoo_docker\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Stopping 2/2
  ✓ Container odoo_app   Stopped      1.0s
  ✓ Container odoo_db    Stopped      0.4s
PS C:\odoo_docker>
```

```
Administrador: Windows PowerShell
PS C:\odoo_docker> docker compose start
time="2025-11-13T13:02:36+01:00" level=warning msg="C:\\odoo_docker\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 2/2
  ✓ Container odoo_db    Started      0.2s
  ✓ Container odoo_app   Started      0.2s
PS C:\odoo_docker>
```

WEBGRAFÍA :

<https://www.docker.com>

<https://experts-deny-b9a.craft.me/Fc69pEUBfgNQGn>

<https://hub.docker.com>



