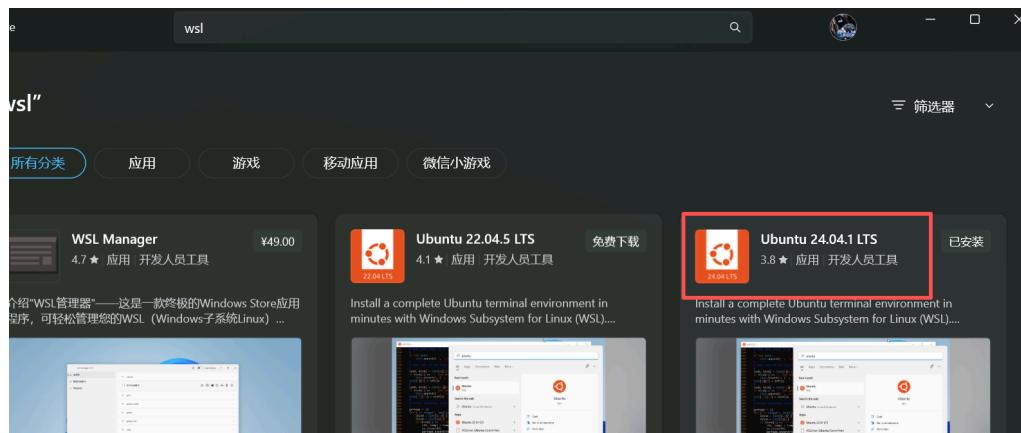
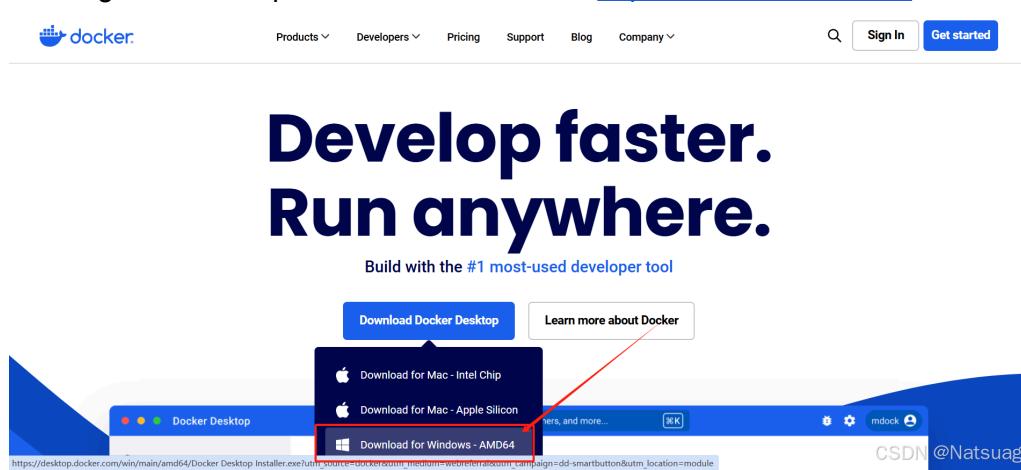


Instalando Docker en Windows

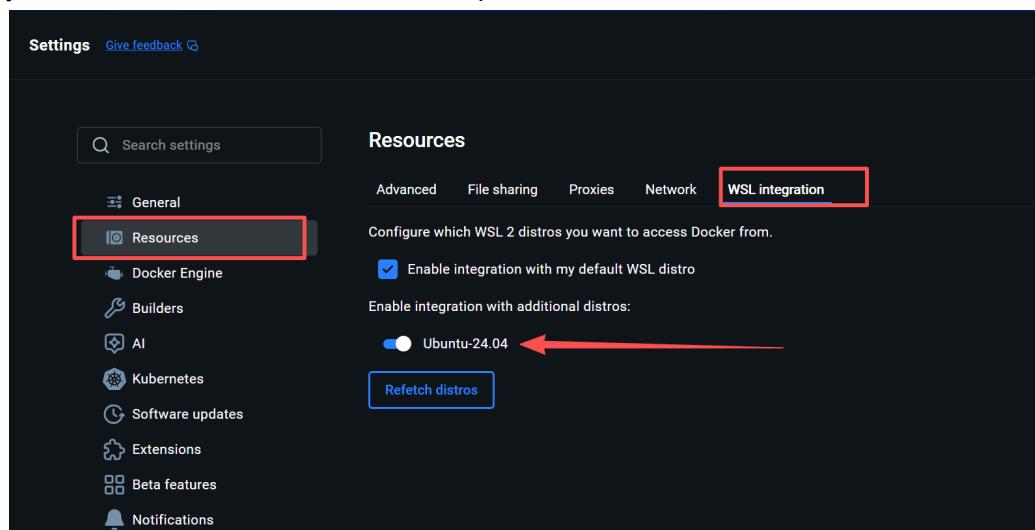
Busca WSL en Microsoft Store y descarga Ubuntu 24.04.1 LTS.



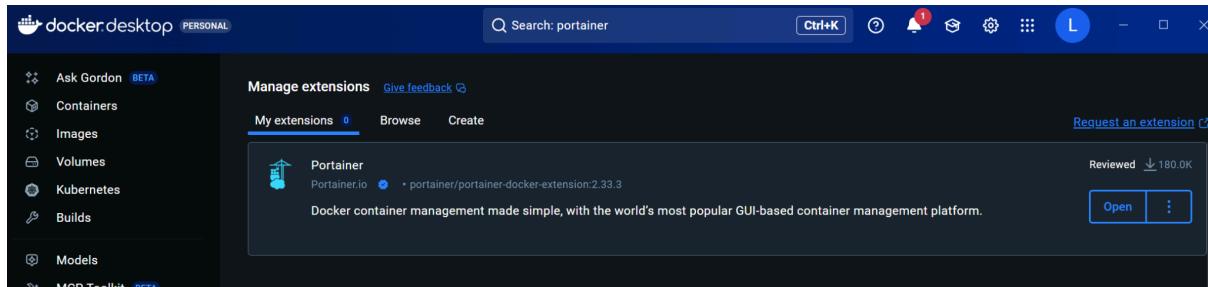
Descarga la versión para Windows - AMD64: <https://www.docker.com/>



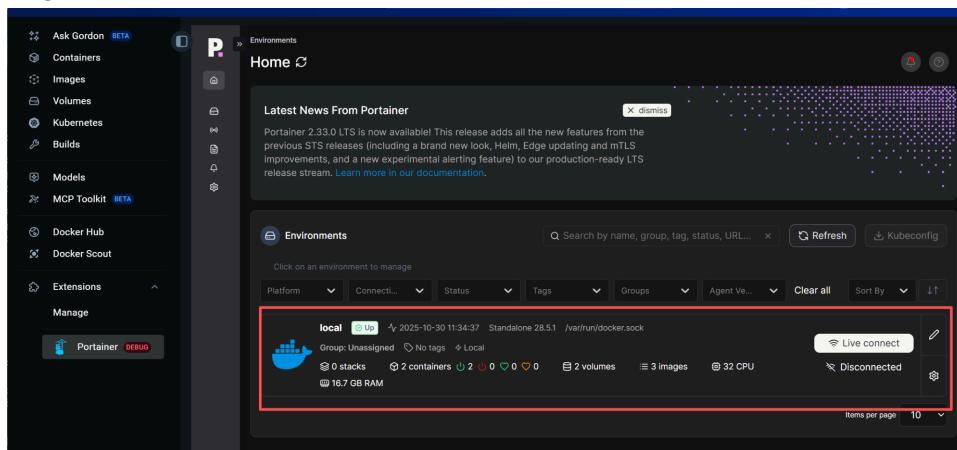
Después de la descarga, vaya a Configuración“Resources” → “WSL integration” y active Ubuntu-24.04. Una vez completado, reinicie su ordenador.



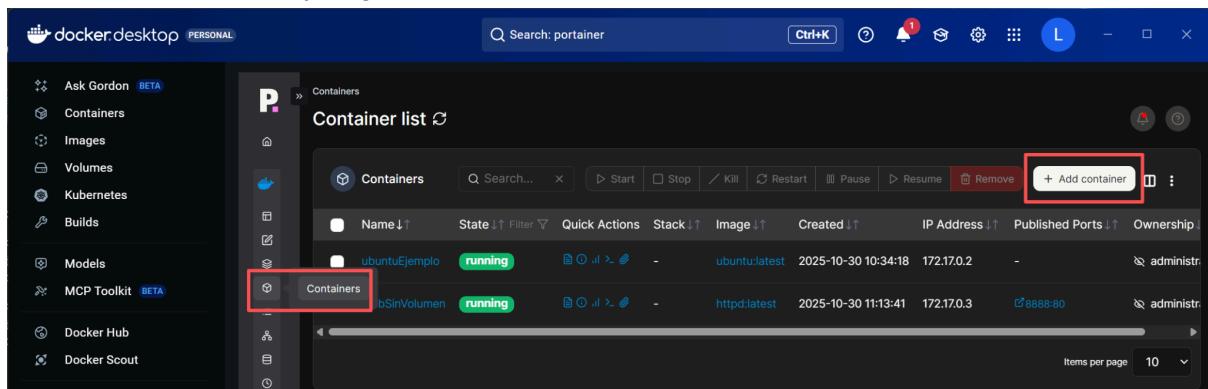
Busca y descarga “Portainer”



Haga clic para entrar local



Seleccione “container” y haga clic en “add container”



Introduzca el nombre y image

The screenshot shows the "Create container" dialog box. It includes fields for "Name" (set to "ubuntuEjemplo"), "Image Configuration" (Registry set to "Docker Hub (anonymous)" and Image set to "ubuntu"), and "Advanced mode" options. A red box highlights the "Name" field.

| Name | ubuntuEjemplo |
|---------------------|------------------------|
| Image Configuration | |
| Registry | Docker Hub (anonymous) |
| Image | docker.io ubuntu |

<https://hub.docker.com>, donde puedes buscar imágenes de contenedores

Escribe Ubuntu en la barra de búsqueda; aquí seleccionamos la que lleva el logotipo oficial.

The screenshot shows the Docker Hub search interface. The search term 'ubuntu' has returned 214,017 results. The top result is 'ubuntu' by Docker Official Images, which is highlighted with a red box. This image has 1B+ pulls, 17,712 stars, and was last updated 17 days ago. Other results include 'ubuntu/squid', 'ubuntu/nginx', 'ubuntu/cortex', 'ubuntu/kafka', 'ubuntu/apache2', 'ubuntu/prometheus', and 'ubuntu/zookeeper', each with their respective details like pull counts, star counts, and last update dates.

Vuelve a Docker Desktop, selecciona “Interactive & TTY” en la parte inferior y, a continuación, haz clic en “Deploy the container”

The screenshot shows the Docker Desktop deployment dialog. It includes sections for 'Access control' (with 'Administrators' selected), 'Auto remove' (disabled), and a prominent 'Deploy the container' button. Below, the 'Advanced container settings' section contains tabs for 'Commands & logging', 'Volumes', 'Network', 'Env', 'Labels', 'Restart policy', 'Runtime & resources', and 'Capabilities'. Under 'Console', the 'Override' tab is selected, showing 'Interactive & TTY (-i -t)' as the chosen option, which is highlighted with a red box. Other options include 'Interactive (-i)', 'TTY (-t)', and 'None'.

Una vez completado, acceda al contenedor dentro de Ubuntu 24.04.1 LTS.

- sudo docker exec -it ubuntu Ejemplo bash

Introduzca

- apt update && apt upgrade

```
ub@localhost:~$ sudo docker exec -it ubuntu Ejemplo bash
[sudo] password for ub:
root@9beac4bdfdc6:/# apt update && apt upgrade|
```

Instalar tree

- apt install tree
- tree

```
root@9beac4bdfdc6:/# apt install tree
```

```
        '-- motd-news.timer  
--- local  
--- lock -> /run/lock  
--- log  
    |-- alternatives.log  
    |-- apt  
        |-- eipp.log.xz  
        |-- history.log  
        '-- term.log  
    |-- bootstrap.log  
    |-- btmp  
    |-- ...
```

Introduzca exit para salir del contenedor.

```
root@9beac4bdfdc6:/# exit  
exit  
ub@localhost:~$ |
```

Crear un contenedor WebSinVolumen

The screenshot shows the Docker Hub search interface. The search bar at the top contains 'WebSinVolumen'. Below it, the 'Image Configuration' section is set to 'Registry: Docker Hub (anonymous)' and 'Image: docker.io/httpd:latest'. A 'Search' button is visible. On the left, there are filters for 'Products' (Images, Extensions, Plugins, Compose, AI Models), 'Trusted content' (Docker Official Image, Verified Publisher, Sponsored OSS), and 'Categories' (Networking). The main area displays search results for 'http', with over 84,863 results. One result, 'httpd' from 'Docker Official Images', is highlighted with a red box. Other results include 'mainflux/http' (Mainflux IoT platform), 'storyscript/http' (Storyscript adapter), 'rsamban/http' (rsamban repository), 'nylab/http' (nylab repository), and 'agoehring/http' (agoehring repository).

| Name | Registry | Image |
|---------------|------------------------|------------------------|
| WebSinVolumen | Docker Hub (anonymous) | docker.io/httpd:latest |

Image Configuration

Registry: Docker Hub (anonymous)

Image: docker.io/httpd:latest

Advanced mode

Always pull the image

Filter by: Products (Images, Extensions, Plugins, Compose, AI Models), Trusted content (Docker Official Image, Verified Publisher, Sponsored OSS), Categories (Networking).

| IMAGE | IMAGE | IMAGE |
|---|--|---|
| mainflux/http | storyscript/http | rsamban/http |
| HTTP adapter service for Mainflux IoT platform. | storyscript adapter. | rsamban repository. |
| Pulls: 100K+, Stars: 3, Last Updated: about 2 years | Pulls: 500K+, Stars: 0, Last Updated: over 5 years | Pulls: 50K+, Stars: 0, Last Updated: 2023-01-01 |

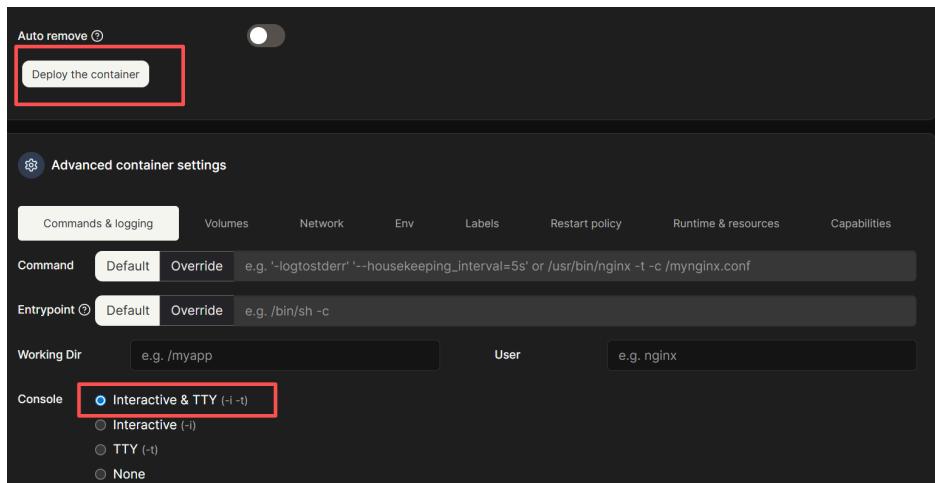
| IMAGE | IMAGE |
|--------------------------------|-------------------------|
| httpd | nylab/http |
| Docker Official Images | nylab repository. |
| The Apache HTTP Server Project | Pulls: 1B+, Stars: 4906 |

| IMAGE |
|----------------|
| agoehring/http |

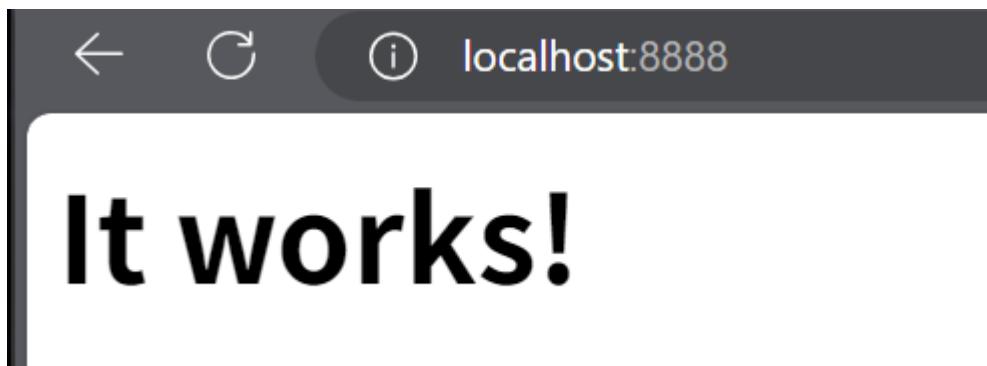
Añadir puerto



Seleccione "Interactive & TTY", y haga clic en "Deploy the container"



Visita localhost:8888



Acceda al contenedor dentro de WSL

- sudo docker exec -it WebSinVolumen bash

```
ub@localhost:~$ sudo docker exec -it WebSinVolumen bash
root@2d6a321262fb:/usr/local/apache2# ls
bin build cgi-bin conf error htdocs icons include logs modules
```

Primero Introduzca apt update && apt upgrade y luego instala nano

- apt update && apt upgrade
- aot install nano

```
root@2d6a321262fb:/usr/local/apache2/htdocs# apt update && apt upgrade
```

```
bash: nano: command not found
root@2d6a321262fb:/usr/local/apache2/htdocs# apt install nano
Installing:
  nano
```

Entra el directorio /usr/local/apache2/htdocs

- cd /usr/local/apache2/htdocs

```
root@2d6a321262fb:~# cd /usr/local/apache2/htdocs
```

Editar el archivo index.html

- nano index.html

```
GNU nano 8.4                                     index.html *
<html><body><h1>Hola buenas,12138!</h1></body></html>
```

Vuelve a visitar localhost:8888

