Windows Docker Installation

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In this guide we will show how to install Docker in windows in order to be able to dockerize both Windows and Linux containers all in one machine.
This installation enables the use of docker images already supported by the community in the widely extended windows 10 system.

Install WSL2

WSL stands for "Windows Subsystem for Linux" in our case the second version of it.

Firstly we will open a new PowerShell terminal in our windows machine and type the following command to install automatically the version 2 of WSL:

```
wsl --install
```

Note: We must open our terminal as an administrator.

This will start the download process of both the necessary VM platform and the actual subsystem. After the process is completed we will be prompted to **restart our machine**.

Specific Linux distributions

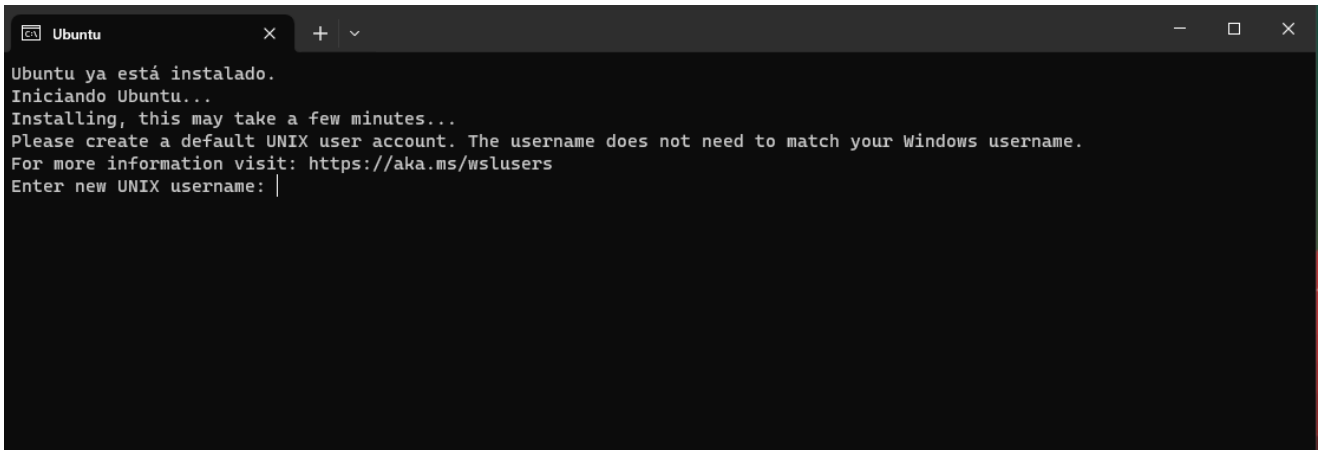
If a specific distribution of Linux is preferred, it can be specify by the following alternative command:

```
wsl --install -d <Distribution Name>
```

Note: For displaying the available distribution before installing use:

```
wsl --list --online
```

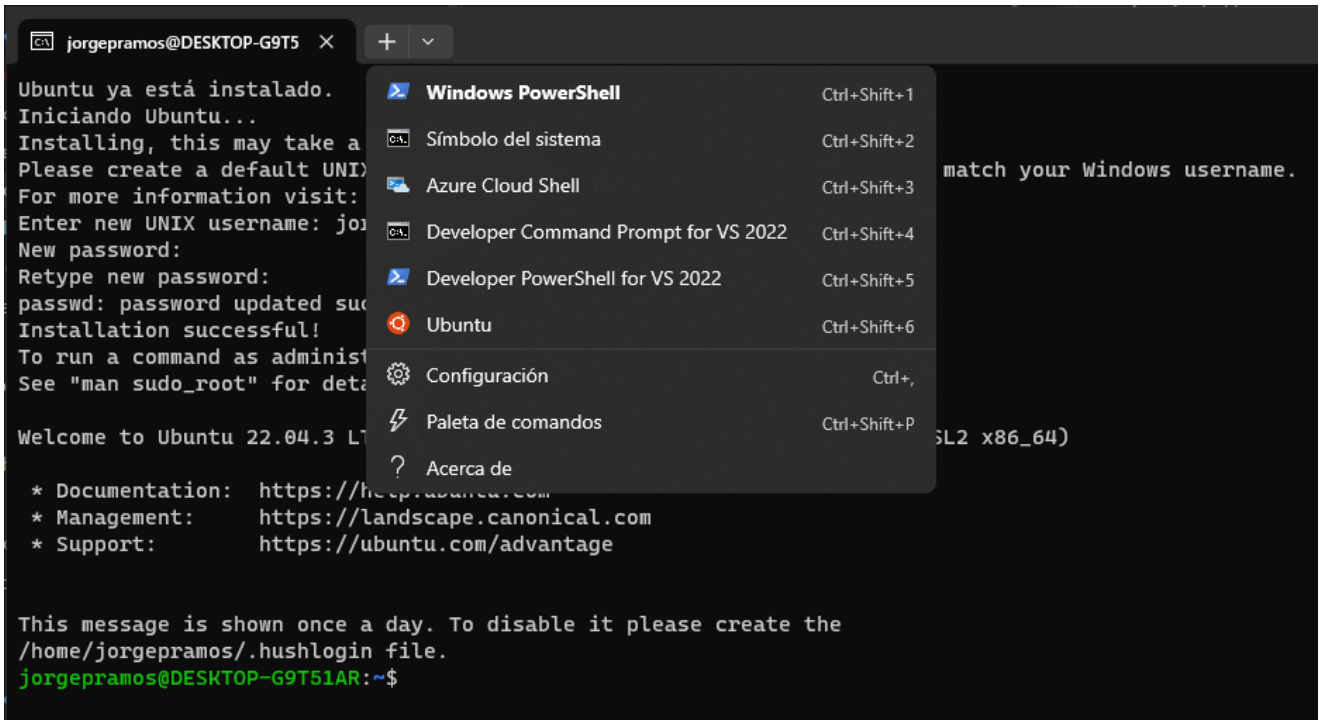
After the reboot we will be prompted with the following screen about our credential for the new subsystem.



Give a username and a password which will be used as root for the subsystem.

From here we will have the WSL terminal available.

Using the new windows terminal (recommended)

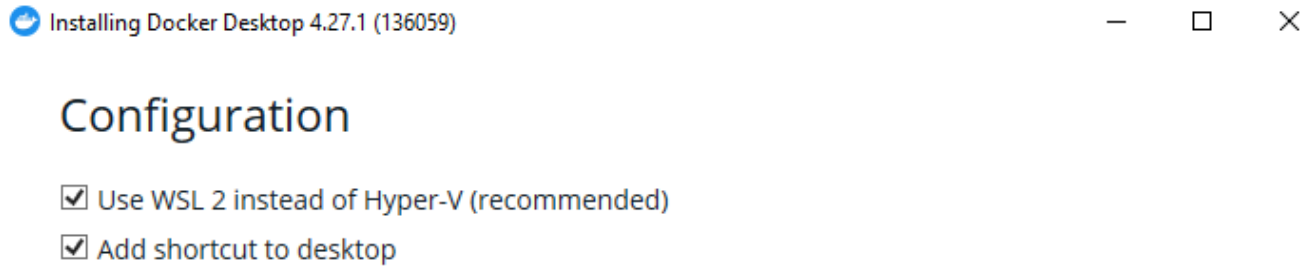


Or by searching on our windows bar the following options (which are equivalent):

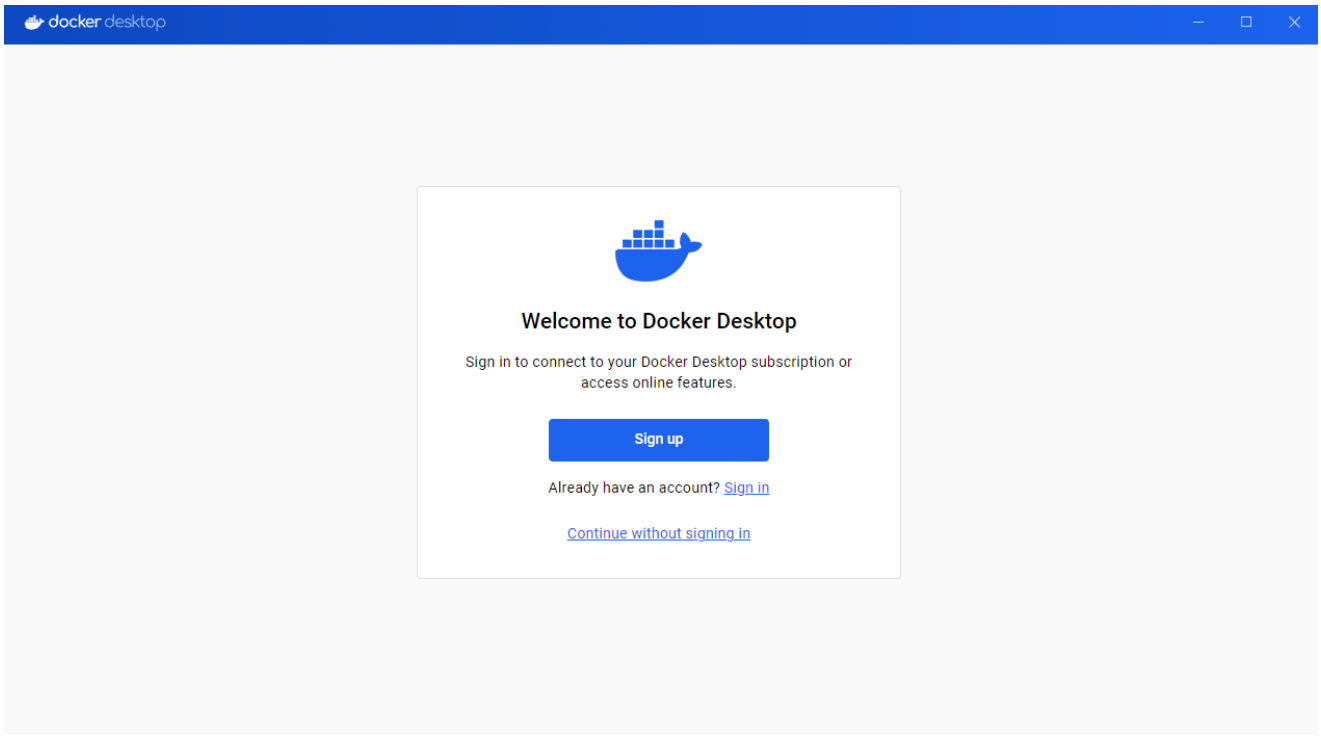
Install Docker desktop

Install docker desktop as any other standard windows application: Docker desktop

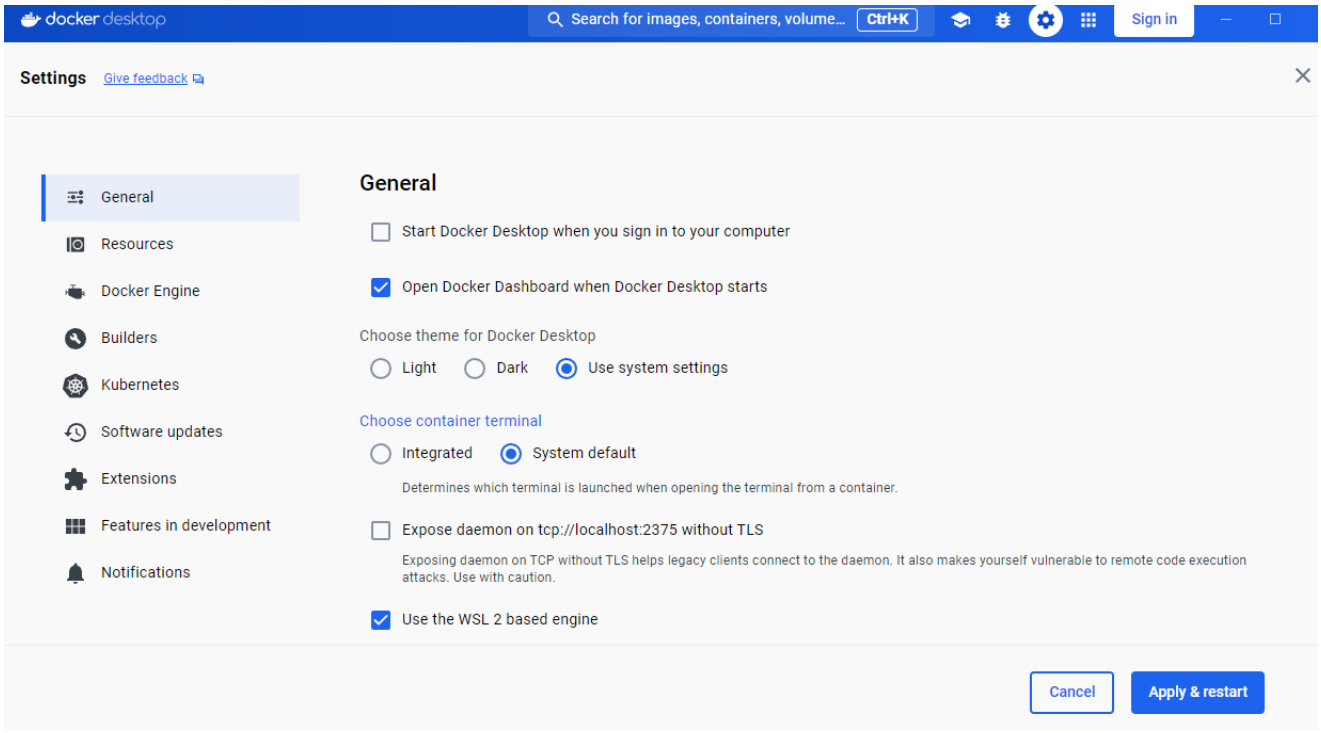
Note: enable WSL 2 docker integration, which provides efficient boot-up and enhances resource consumption using dynamic memory allocation; these features allow you to start Docker containers considerably faster.



Once install we ca can continue without sign up and access the full application.



Note: if we missed the activation of WSL2 docker integration, we can still enable this feature by going into docker settings > Use the WSL 2 based engine.


docker desktop
Search for images, containers, volume...
Ctrl+K
Sign in
Settings
Give feedback
General
Resources
Docker Engine
Builders
Kubernetes
Software updates
Extensions
Features in development
Notifications
General
Start Docker Desktop when you sign in to your computer
Open Docker Dashboard when Docker Desktop starts
Choose theme for Docker Desktop
Light
Dark
Use system settings
Choose container terminal
Integrated
System default
Determines which terminal is launched when opening the terminal from a container.
Expose daemon on tcp://localhost:2375 without TLS
Exposing daemon on TCP without TLS helps legacy clients connect to the daemon. It also makes yourself vulnerable to remote code execution attacks. Use with caution.
Use the WSL 2 based engine
Cancel
Apply & restart