

How to install WSL2 on Windows

This document explains in detail how to install wsl2 and certain libraries.

1. Run the WSL2_installer executable:

Double-click on:



A terminal opens automatically. Follow the instructions in red:

```
When an interaction is requested, it is indicated in red. Press enter to continue.  
Press enter
```

These instructions are detailed in the next steps.

2. Give administration rights to the installer:

```
The executable needs admin rights, press enter to give them.  
Press enter to give admin right
```

When you press Enter, Windows will ask you if you want to give administrator rights and let the executable modify your computer. Click on Yes. If you are not logged in as an administrator user, you will need to enter the username and password of an administrator user.

3. Wait:

After giving the admin right a second windows will open. Wait until the second windows it's close.

```
C:\Users\luciacev\Documents\gaelle\without_python\installer\utils\secondaire.exe  
This windows will be close automatically, please wait
```

If your computer was not setup for wsl in the past you will have the indication of the step 4 and 5 that will appear, if not pass to the step 6.

4. Restart your computer:

The installer will ask you to restart your computer in order to apply the changes to your system. Remember to save all your open files before writing "Yes"!

```
Wait for a new instruction  
Restart your computer and run this executable again.  
Do you want to restart now your computer (Yes/No) ? _
```

5. Relaunch WSL2 installer:



After restarting the computer, restart the installer and follow steps 1 to 3, then go on to step 6.

If you've already installed wsl on your computer, and just need to install the libraries, you won't see the following instructions, so please proceed to step 9.

6. Installing Ubuntu.

Read the red line and press enter to install Ubuntu.

```
for information on any differences with WSL 2 please visit https://aka.ms/wsl2
The operation completed successfully.
A new windows will open!
You will create an username with a password, please note that whilst entering the Password, nothing will appear on screen. This is called blind typing. You won't see what you are typing, this is completely normal.
When the line starts with your username, please enter 'exit' to continue the installation on this window.
Press enter to continue
```

Please note that the progress bar may take some time to appear, so don't touch your computer and wait.



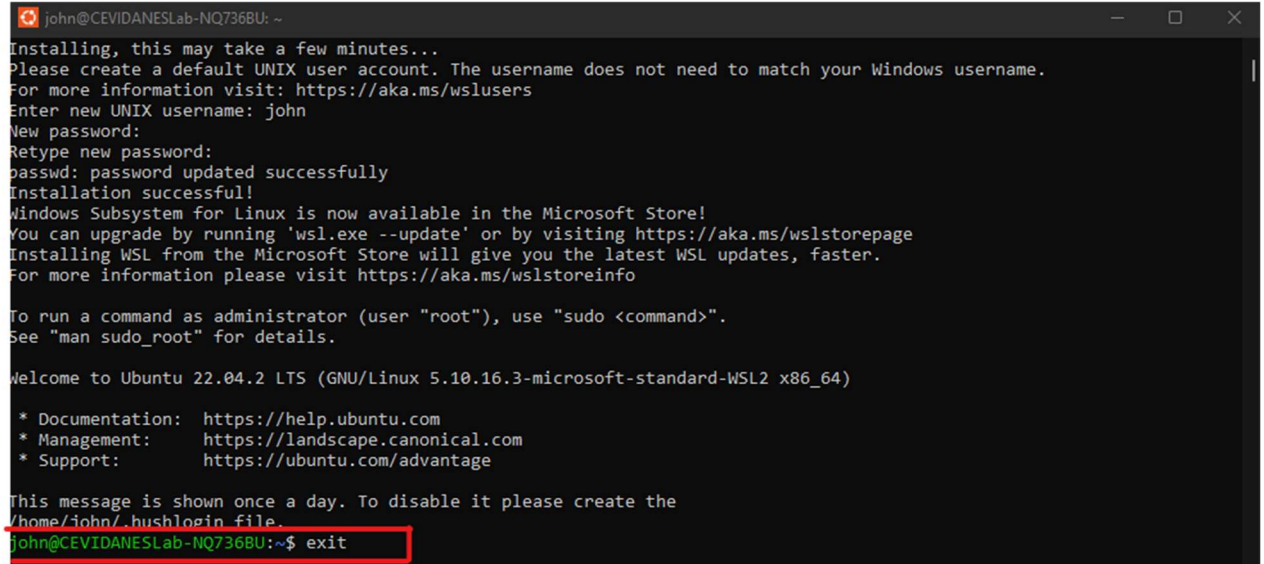
7. Create your new username and password for wsl2.

When Ubuntu is installed, a new window will open. In this window, you will create a new user for wsl2. To do this, you'll enter a username and password. Please note that when you type your password, you won't be able to see what you're typing. This is called blind typing and is completely normal.

```
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: john
New password:
Retype new password:
```

8. Exit the second window:

When the line starts with your username (usually green), enter "exit" to leave this window.

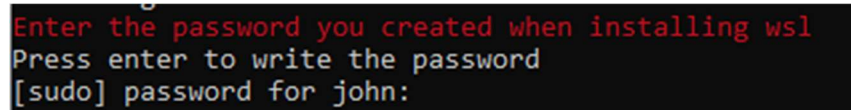


```
john@CEVIDANESLab-NQ7368U: ~  
Installing, this may take a few minutes...  
Please create a default UNIX user account. The username does not need to match your Windows username.  
For more information visit: https://aka.ms/wslusers  
Enter new UNIX username: john  
New password:  
Retype new password:  
passwd: password updated successfully  
Installation successful!  
Windows Subsystem for Linux is now available in the Microsoft Store!  
You can upgrade by running 'wsl.exe --update' or by visiting https://aka.ms/wslstorepage  
Installing WSL from the Microsoft Store will give you the latest WSL updates, faster.  
For more information please visit https://aka.ms/wslstoreinfo  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.10.16.3-microsoft-standard-WSL2 x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
This message is shown once a day. To disable it please create the  
/home/john/.hushlogin file.  
john@CEVIDANESLab-NQ7368U:~$ exit
```

9. Install the libraries:

Enter the password of the user you created when installing WSL2.

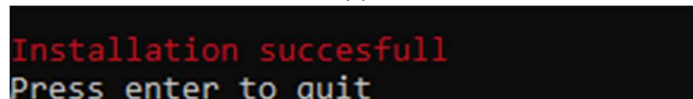
Note that the third line may take a while to appear, so wait until it does. You won't be able to see what you're typing - this is called blind typing. This is perfectly normal.



```
Enter the password you created when installing wsl  
Press enter to write the password  
[sudo] password for john:
```

10. End:

Wait for these two lines to appear:



```
Installation succesfull  
Press enter to quit
```

Congratulation you installed WSL2 and the require libraries!