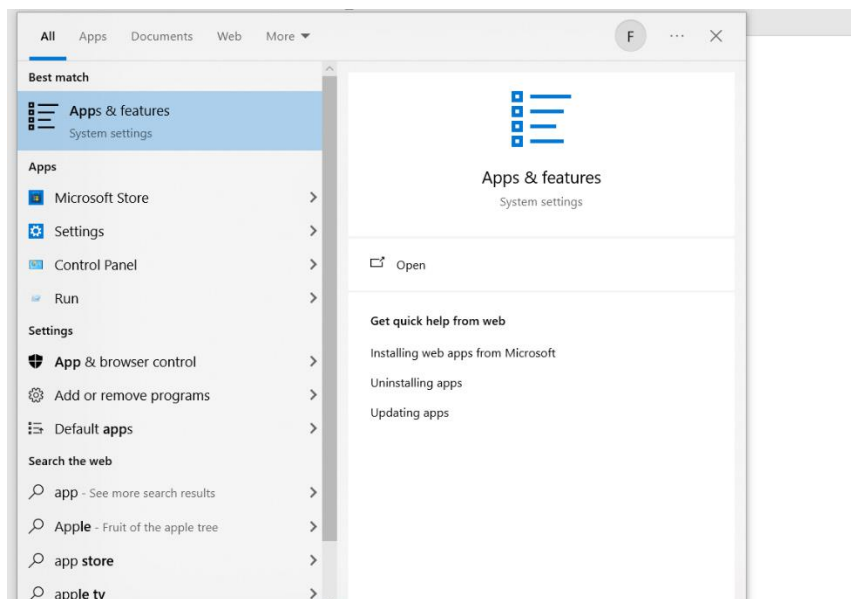
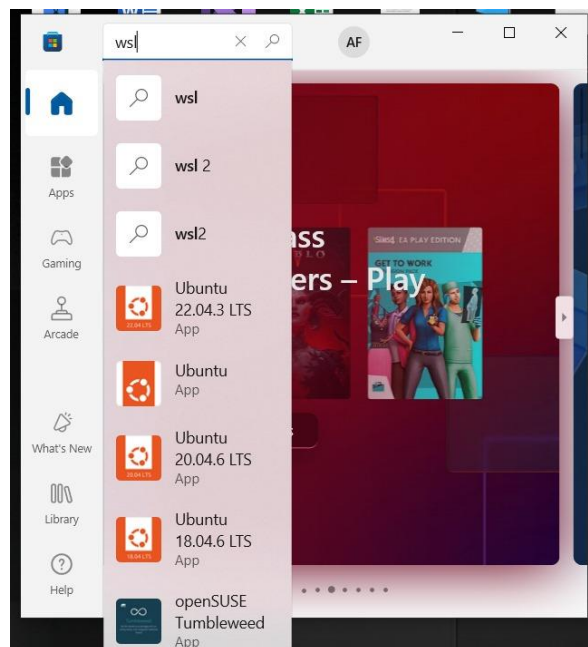


UBUNTU 22.04.3 LTS Virtual Machine Windows Installation

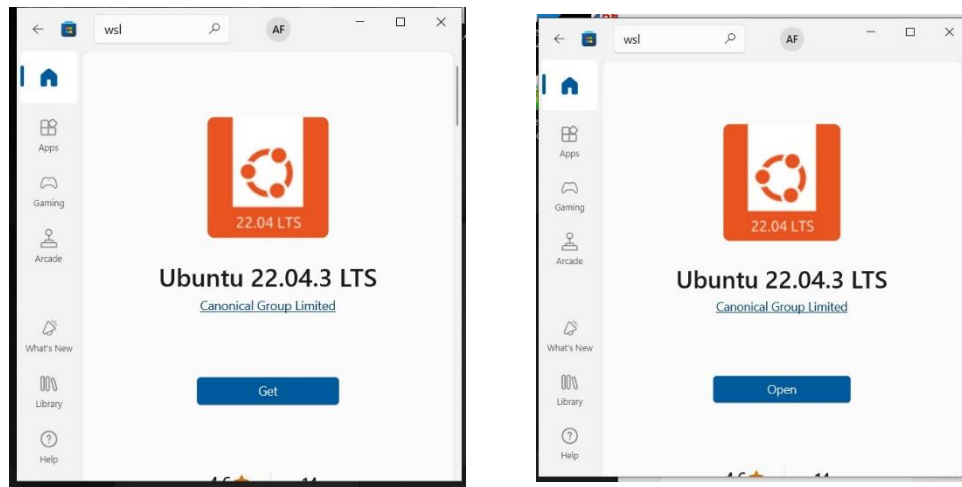
1. Open Microsoft Store



2. In Search field type "wsl"

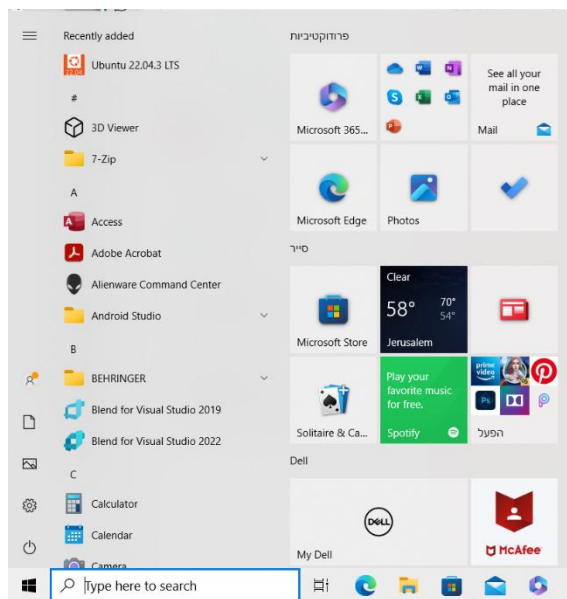


3. First perform "GET" then "Open" !!!



4.

5. Let's try to use it for the first time



6. If you got this message :

```
Ubuntu 22.04.3 LTS
Installing, this may take a few minutes...
WslRegisterDistribution failed with error: 0x8007019e
Error: 0x8007019e The Windows Subsystem for Linux has not been enabled.
Press any key to continue...
```

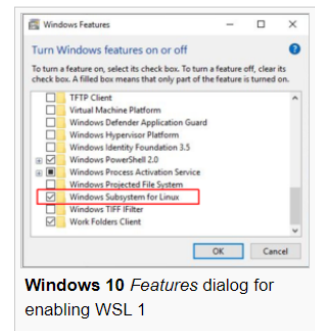
then follow the instructions on the following page:

https://www.ridom.de/u/Windows_Subsystem_For_Linux.html#Enabling_WSL

Enabling WSL 1 (recommended for Windows 10)

For enabling WSL 1 on Windows 10 the *Windows Subsystem for Linux* feature must be activated using the following steps:

1. Right-click on the Windows Start menu icon, choose *Search* and type **Windows Features**. Select the top entry (category *Control panel*) to enable or turn off Windows-Features. The Windows-Features dialog will be opened.
2. Select in the upcoming dialog the check box for **Windows Subsystem for Linux** from the bottom of the list and press the *OK* button. Applying the changes may take a few minutes. Finally, press the *Restart now* button to reboot the computer.

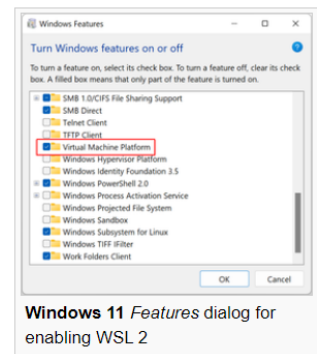


Enabling WSL 2 (recommended for Windows 11)

Important: WSL 2 requires virtualization technology on the computer. For AMD CPUs this technology is called AMD Secure Virtual Machine (AVM-SVM) or AMD Virtualization (AMD-V), for Intel CPUs it is called Intel VT-X. Instructions how to enable virtualization technology can be found here: [Enable virtualization on Windows 11 PCs](#)

After this, for enabling WSL 2 the *Virtual Machine Platform* feature must be activated using the following steps:

1. Right-click on the Windows Start menu icon, choose *Search* and type **Windows Features**. Select the top entry (category *Control panel*) to enable or turn off Windows-Features. The Windows-Features dialog will be opened.
2. Select in the upcoming dialog the check box for **Virtual Machine Platform** from the bottom of the list and press the *OK* button. Applying the changes may take a few minutes. Finally, press the *Restart now* button to reboot the computer.



7. After this it will work.

- a. Start Ubuntu 22.04.3 LTS Virtual Machine
- b. Choose the user name and the password
- c. Start using LINUX shell.

Type: `echo "$SHELL"`

```
teacher@DESKTOP-CT14MRR: ~  
teacher@DESKTOP-CT14MRR:~$ echo "$SHELL"
```

The path of current shell will be displayed as an output.

```
teacher@DESKTOP-CT14MRR: ~  
teacher@DESKTOP-CT14MRR:~$ echo "$SHELL"  
/bin/bash  
teacher@DESKTOP-CT14MRR:~$
```

What is SHELL ?

What is Virtual Machine ?