# 1. Install Ubuntu on WSL (Windows Subsystem for Linux ) for Windows 10/11

# - To install WSL, you must run PowerShell or Command Prompt as an administrator. If you're using Windows 10, make sure it's updated.

- Run this command in PowerShell and then restart your machine:

wsl --install



- Upgrade version from WSL 1 to WSL 2 (if you are using Windows 10):

wsl --set-default-version 2



- To start using WSL, type: wsl



## 3. Install Anaconda

Find the latest version of Anaconda for Python 3 at **https://repo.anaconda.com/archive**. Start Ubuntu and type:

cd /tmp

curl https://repo.anaconda.com/archive/Anaconda3-2024.10-1-Linux-x86\_64.sh --output anaconda.sh bash anaconda.sh



Accept the license terms and once installation is complete type yes so that you can initialize Anaconda3.



Add the following line to .bash\_profile, initialize conda and reopen wsl:

export PATH=~/anaconda3/bin:\$PATH conda init exit wsl

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<pre>==&gt; For changes to take effect, close and re-open your current shell. &lt;== jesus@DESKTOP-41T2C03:/tmp\$ exit logout PS C:\WINDOWS\system32&gt; wsl To run a command as administrator (user "root"), use "sudo <command/>". See "man sudo_root" for details. (base) jesus@DESKTOP-41T2C03:/mnt/c/WINDOWS/system32\$ _</pre>								

# 4. Install ISP.

See the detailed instructions in the following link:

### https://projectisp.github.io/ISP\_tutorial.github.io/install/#installation

cd ~

git clone --depth 1 --branch master --single-branch https://github.com/ProjectISP/ISP.git



cd ~/ISP git pull --depth 1 cd ~/ISP/install chmod u+x ISP\_installer.sh ./ISP\_installer.sh





#### Before starting ISP, install these packages:

sudo apt update sudo apt install libqt5x11extras5 sudo apt-get install libpulse-dev

and refresh your path: source ~/.bashrc

#### Start ISP:

conda activate isp python ~/ISP/start\_isp.py

Modify your shell configuration file (.bashrc) to automatically activate your environment when WSL starts: echo "conda activate isp" >> ~/.bashrc source ~/.bashrc

#### From now on, use the command "isp" to start the program when you restart WSL.

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# 5. Sharing Files Between Windows and WSL

# Accessing WSL Files from Windows

a. You can access WSL files directly through the Windows File Explorer by typing the following in the address bar:

\\wsl\$

You'll see a list of installed Linux distributions. Navigate to the folders you need.

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b. Alternatively, you can access the files from the WSL terminal by running the following command:

explorer.exe .

This will open the Windows File Explorer, allowing you to view and work with the files stored in WSL.

# Accessing Windows Files from WSL

Windows drives are automatically mounted under /mnt. To access your Windows files from WSL, replace <your\_username> with your actual username and run the following command:

cd /mnt/c/Users/<your\_username>