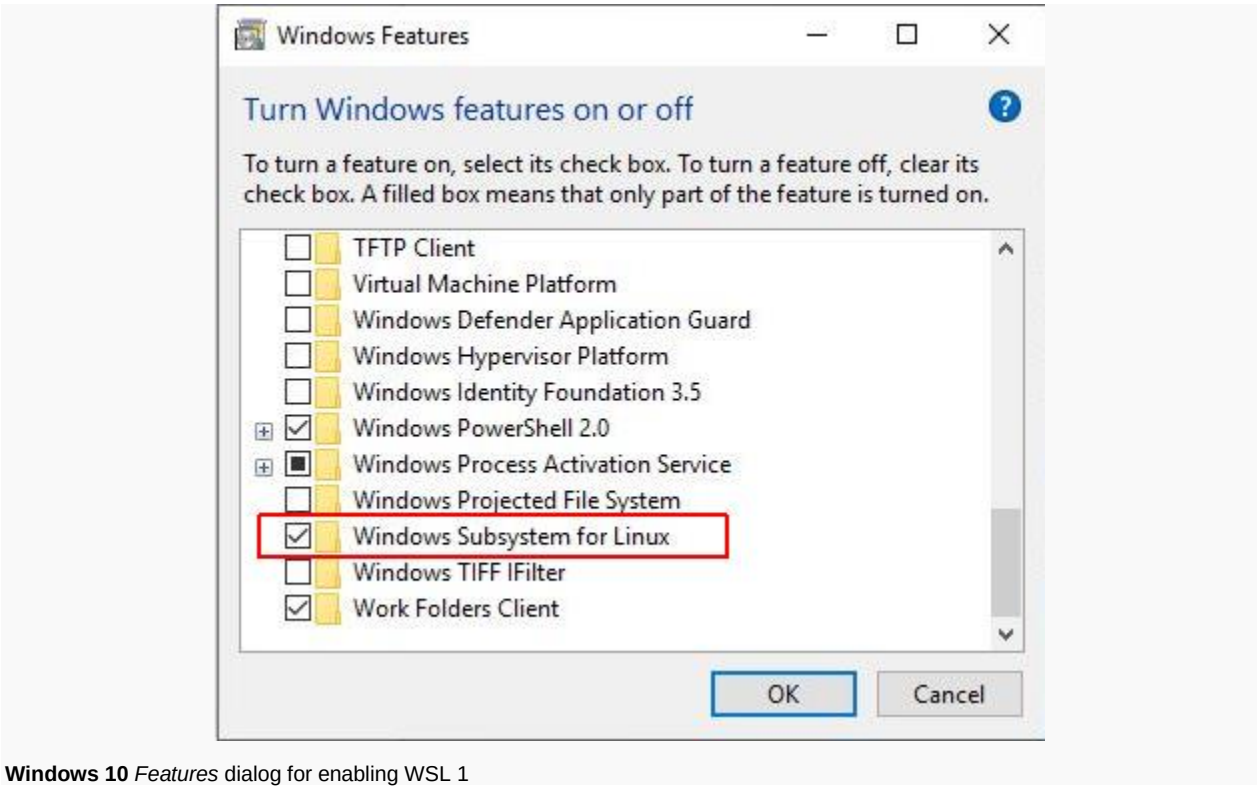
Windows Subsystem For Linux

Enabling WSL 1 (recommended for Windows 10)

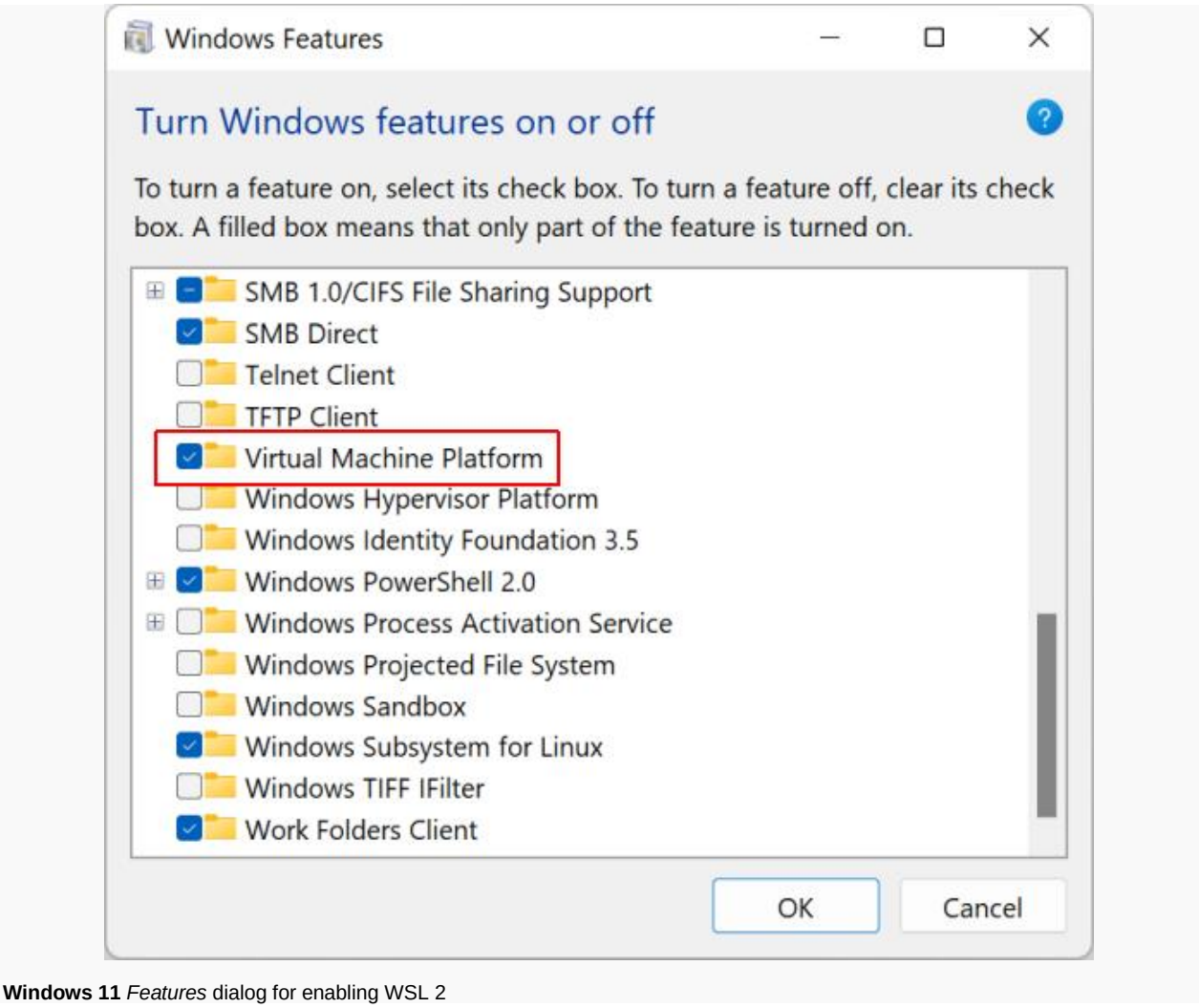


Windows 10 *Features* dialog for enabling WSL 1

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)



Windows 11 *Features* dialog for enabling WSL 2

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 VTX. 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.

> After that, use the Microsoft Store app and look for the Linux distribution you want to use. Install the Linux distro of your choice.

3. The Linux distribution can be launched from the **Start menu**.

Installing Miniconda on Linux

4. Download the latest Miniconda script for Linux

```
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
```

5. Install Miniconda

```
bash Miniconda3-latest-Linux-x86_64.sh
```

6. To create an environment with a specific version of Python

```
conda create -n int2ai  python=3.9
```

7. Verify that the new environment was installed correctly

```
conda env list
```

8. To activate this environment

```
conda activate int2ai
```

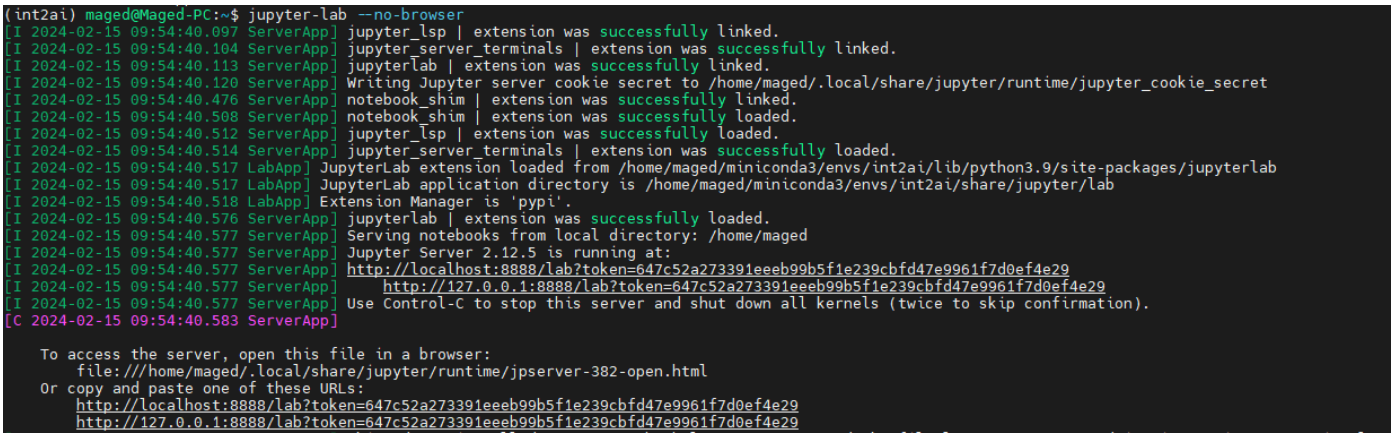
9. To install JupyterLab run

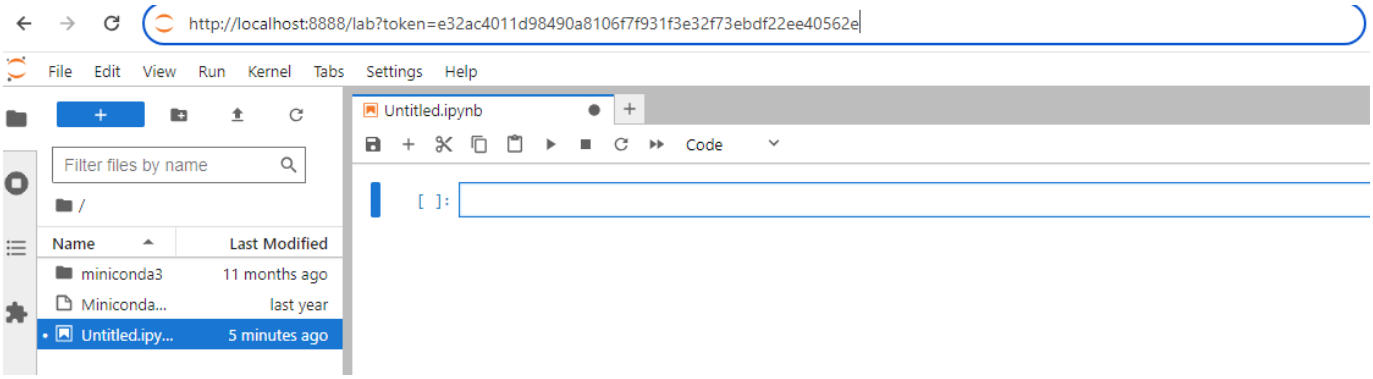
```
pip install jupyterlab
```

10. We'll access the Notebook interface remotely with a browser running in Windows Host. So, launch the Notebook server running on WSL with *--no-browser* flag.

```
jupyter-lab --no-browser
```

11. Copy the link shown on terminal to your browser





To change the home directory for Jupyter

```
cd /mnt/d/

jupyter-lab --no-browser
```