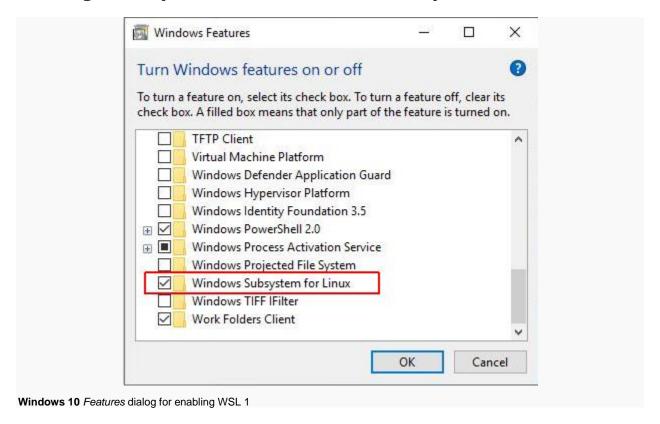
Windows Subsystem For Linux

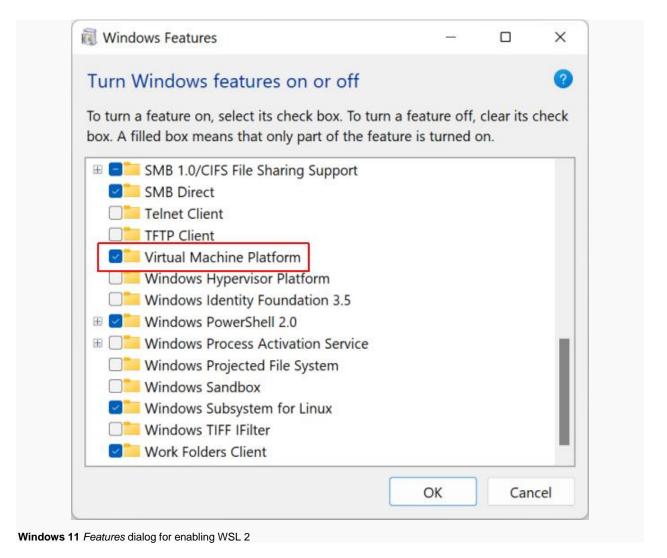
Enabling WSL 1 (recommended for Windows 10)



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

- 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 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:

- 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

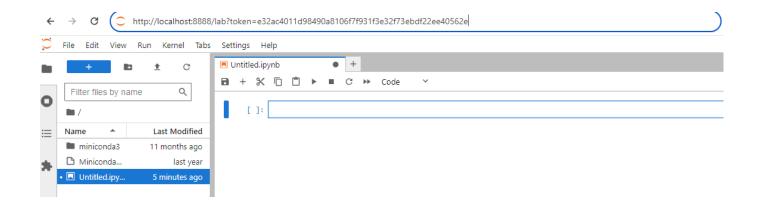
pip install jupyterlab

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

```
(int2ai) maged@Maged-PC:~\$ jupyter-lab —no-browser
[I 2024-02-15 09:54:40.097 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2024-02-15 09:54:40.104 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2024-02-15 09:54:40.113 ServerApp] jupyter_lab | extension was successfully linked.
[I 2024-02-15 09:54:40.120 ServerApp] writing Jupyter server cookie secret to /home/maged/.local/share/jupyter/runtime/jupyter_cookie_secret
[I 2024-02-15 09:54:40.120 ServerApp] notebook_shim | extension was successfully linked.
[I 2024-02-15 09:54:40.508 ServerApp] notebook_shim | extension was successfully loaded.
[I 2024-02-15 09:54:40.512 ServerApp] jupyter_lsp | extension was successfully loaded.
[I 2024-02-15 09:54:40.513 ServerApp] jupyter_server_terminals | extension was successfully loaded.
[I 2024-02-15 09:54:40.517 LabApp] Jupyter_server_terminals | extension was successfully loaded.
[I 2024-02-15 09:54:40.517 LabApp] Jupyter_lab extension directory is /home/maged/miniconda3/envs/int2ai/lib/python3.9/site-packages/jupyterlab
[I 2024-02-15 09:54:40.517 LabApp] Jupyter_lab extension was successfully loaded.
[I 2024-02-15 09:54:40.577 ServerApp] jupyter_lab extension was successfully loaded.
[I 2024-02-15 09:54:40.577 ServerApp] jupyter_lab extension was successfully loaded.
[I 2024-02-15 09:54:40.577 ServerApp] bypyter_lab extension was successfully loaded.
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[I 2024-02-15 09:54:40.577 ServerApp] bypter_lab extension was successfully loaded.
[I 2024-02-15 09:54:40.577 ServerApp] bypter_lab extension was successfully loaded.
[I 2024-02-15 09:54:40.578 serverApp] bypter_lab ex
```



To change the home directory for Jupyter

```
cd /mnt/d/
jupyter-lab --no-browser
```