



Faculty IT & Research Support Team

The Faculty of Science and Environments dedicated IT Research Support Team.

FIRST work as an independent specialist engineers supporting and providing IT solutions needed for the delivery of teaching and research in FSE.

<https://livenorthumbriaac.sharepoint.com/sites/FIRST>

Document Version 1.0 | Kaveen Perera

Enabling And configuring WSL to use with Podman on Windows

What is WSL

WSL is Windows subsystem for Linux. It's a technology introduced by Microsoft for their Windows operating system to enable efficient running of Linux virtual machines inside Windows. Windows also got another virtualisation feature called HyperV, which is not suitable for our use case.

You are required to have administrator access on the device to enable WSL

Minimum system requirements

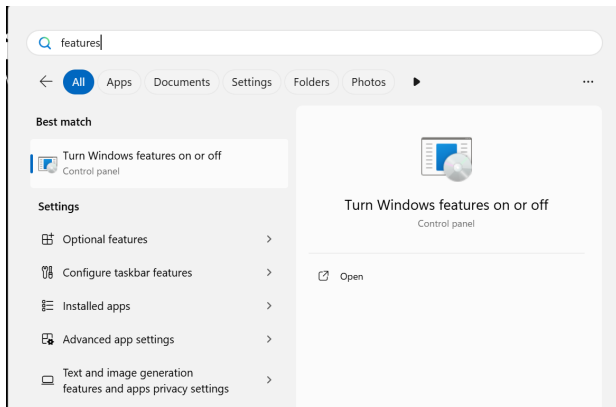
- Windows 11 version 22H2
- This feature is also supported on Windows 10, but not tested.
- Following screenshots are from a Windows 11 version 24H2. *(Run 'winver' command to find Windows version)*

Instructions

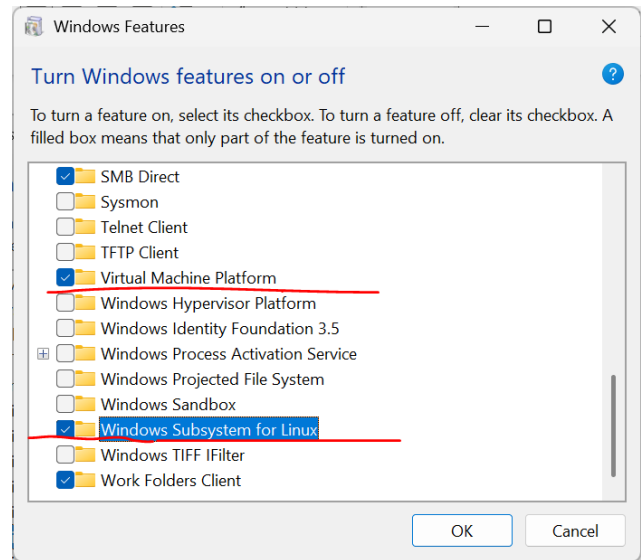
(A screenshot for each step is provided on the next section)

1. Open the Windows Features options window (You can search on the start menu)
2. Enable the following features
 - Windows Subsystem for Linux
 - Virtual Machine Platform
3. Restart the PC once the installation is completed.
4. Open WSL settings
5. Set network mode to 'Mirrored'

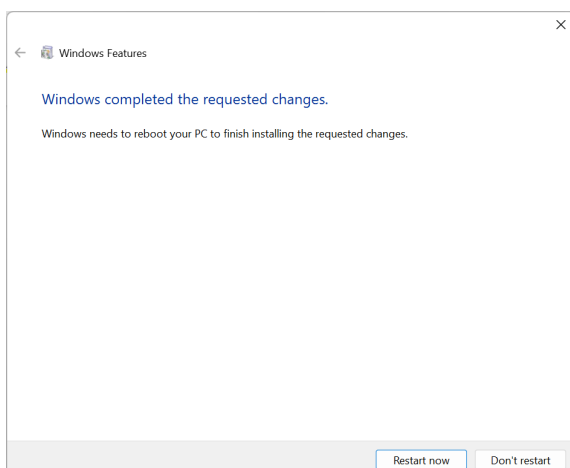
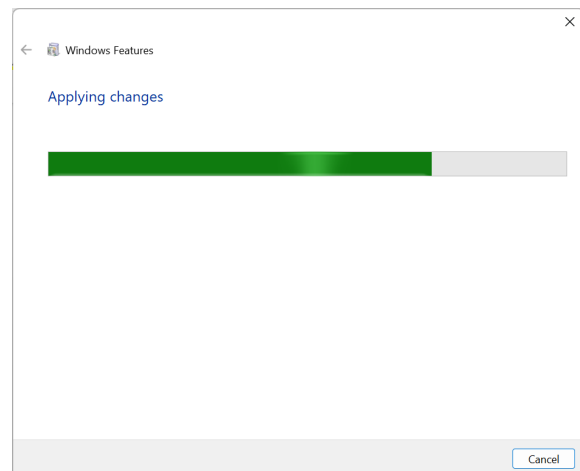
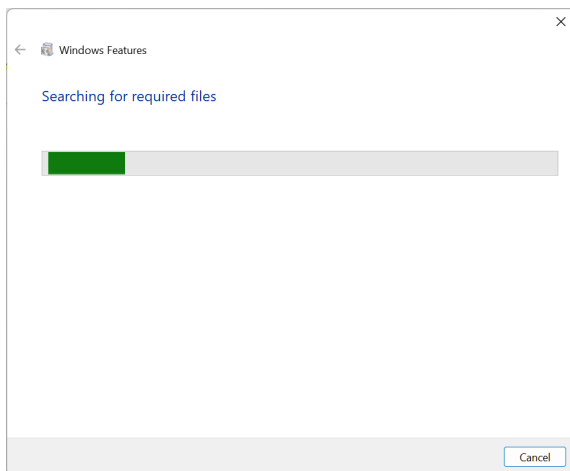
Screenshots



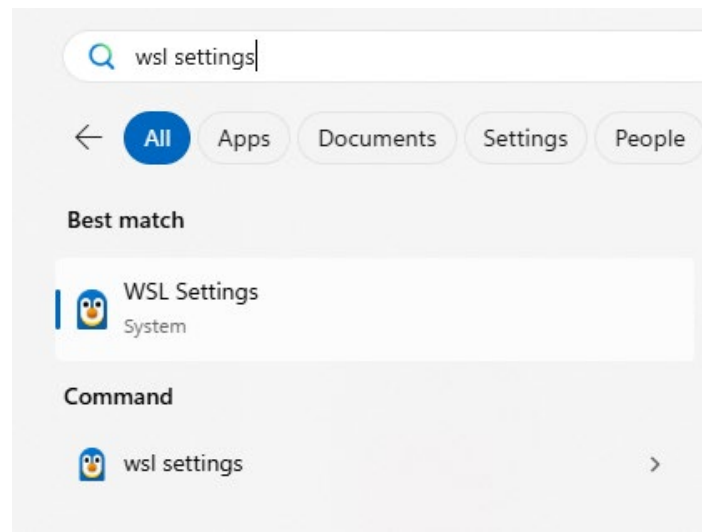
Step 1: Open the Windows Features



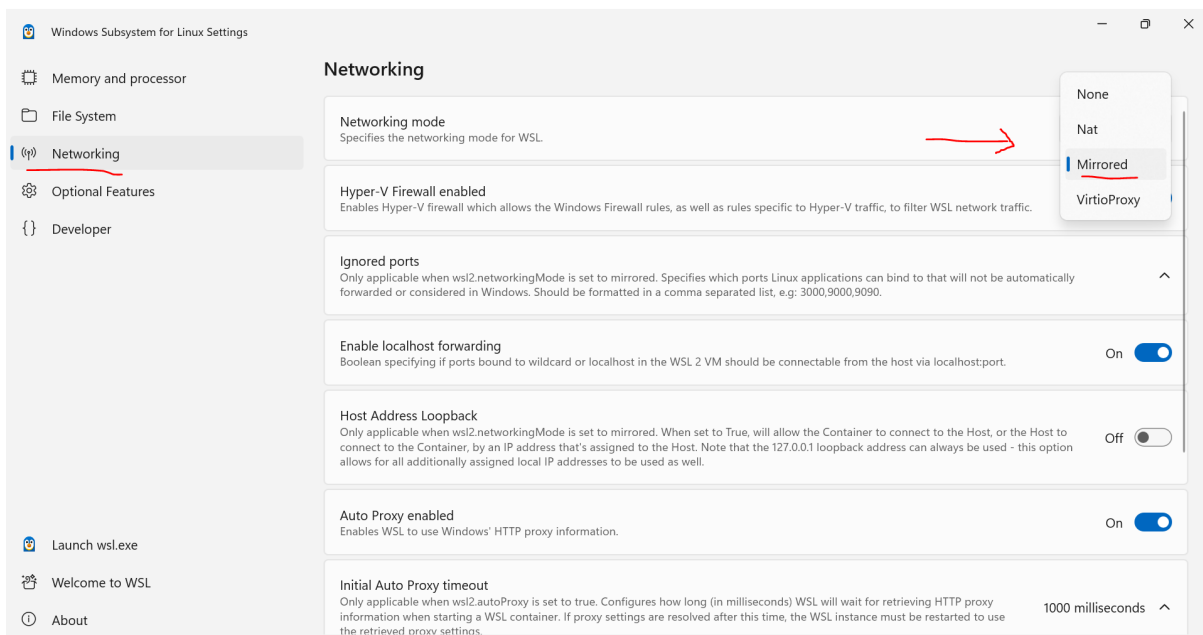
Step 2: Enable WSL and VMP features



Step 3: Restart the PC once the installation is completed.



Step 4: Open WSL settings



Step 5: Set network mode to 'Mirrored'