**TROUBLE SHOOTING STEPS for DOCKER CONTAINERIZATION**

1. **Issue or Error message as**

**“docker desktop requires a newer wsl kernel version”?**

* Access the Control Panel on your Windows computer.
* Navigate to the "Programs" section and proceed to "Turn Windows features on or off."
* Mark the checkboxes corresponding to Windows Subsystem For Linux, Windows Hypervisor Platform and Virtual Machine Platform. After that, click the "OK" button.
* Launch PowerShell with Administrator privileges. Enter the following command: dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart, and then hit Enter. This action will enable WSL 1.
* Install WSL 2 update by running either wsl.exe --install or wsl.exe --update. Execute the command: wsl --set-default-version 2, and press Enter to designate WSL 2 as the default version. To ensure the modifications take effect, restart your computer.

1. **Identify the current WSL version**

Open a command prompt or PowerShell window as Adminstrator. You can do this by pressing the Windows key, typing “cmd” or “PowerShell,” and selecting the corresponding application.

**Command : wsl -l -v**

The version number typically consists of major and minor version components. For example, it might be displayed as “1” or “1.0”.

**Note**: If the version is displayed as “1” or “1.0”, it indicates that you are using the first generation of WSL, which may not be compatible with the newer requirements of Docker Desktop.

1. **Open Windows Features**

Once you open Windows features, make sure “Virtual Machine Platform”, “Windows Hypervisor” and “Windows Subsystem for Linux” are checked. If not, tick them and press “Apply”

A screenshot of a computer program

Description automatically generated

1. **Open Powershell as Administrator**

You must open Powershell as Administrator, as if not would trigger a permission error. In the PowerShell, run the following command to enable WSL-1

**Command : dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart**

1. **Download WSL-2 from Microsoft Documentation**

Use the link below to download the package given and run the application on your computer

**[Manual installation steps for older versions of WSL](https://learn.microsoft.com/en-us/windows/wsl/install-manual?source=post_page-----b093b1684c0b--------------------------------" \l "step-4---download-the-linux-kernel-update-package" \t "_blank)**

[For simplicity, we generally recommend using the wsl --install to install Windows Subsystem for Linux, but if you're…](https://learn.microsoft.com/en-us/windows/wsl/install-manual?source=post_page-----b093b1684c0b--------------------------------" \l "step-4---download-the-linux-kernel-update-package" \t "_blank)

[learn.microsoft.com](https://learn.microsoft.com/en-us/windows/wsl/install-manual?source=post_page-----b093b1684c0b--------------------------------" \l "step-4---download-the-linux-kernel-update-package" \t "_blank)

1. **Change the WSL 2 to your Default version**

Run the below command to change the default version to WSL 2

wsl --set-default-version 2