USER MANUAL

WSL Installation

Introduction

This guide will walk you through installing the Windows Subsystem for Linux *(WSL2)*. WSL2 lets you run a full Linux distribution natively within Windows without a virtual machine. We'll cover the installation process, followed by steps to update and upgrade your Linux distribution.

Prerequisites

System Requirements

To use WSL2, your system must meet the following requirements:

1. Compatible Operating System:

   - **Windows 10:** Version 2004 or later
   - **Windows 11:** Any version

2. You also need to make sure that you have administrative privileges.

   To check your version:

1. Press `Win + R`, type `winver` and press `Enter`.

2. Confirm your version and update Windows if necessary.

Installation Process

1. Open Powershell as an Administrator

   - Click on the Start button and type `Powershell`.
   - Right-click and select `Run as Administrator`.
   - Accept the User Account Control (UAC) prompt.

2. Install WSL2

   - In the Powershell terminal type `wsl --install`.
   - Once this is completed, a restart may be required

3. Launch and Set Up Your Linux Distribution.

   - If the WSL terminal doesn't open for you automatically after the reboot, open your Linux terminal by clicking the Start button and typing `WSL`. Hit `Enter`.
   - On first launch, you will be prompted to create a username and password for your Linux environment.
   - Follow the prompts to complete the setup.

Post-Installation Configuration

Verify Installation

You can follow these steps to ensure your WSL installation is properly configured:

1. Check the WSL Version
   Open Powershell and run:

2. List Installed Linux Distribution
   `wsl --version`
   To see all installed Linux distributions and their WSL version use:
   `wsl --list --verbose`

Initial Setup

1. Update and Upgrade your Linux Distribution
   After setup is complete, ensure your Linux environment is up-to-date. Open the Linux terminal and run the following commands:

   - Update the package lists by typing `sudo apt update` and hit `Enter`.
   - Once completed, upgrade the package list by typing `sudo apt upgrade` and hit `Enter`.

Tips and Troubleshooting

If you encounter issues during installation, refer to the following table for guidance:

Tip	Description
To list available distributions	In the terminal type, `wsl --list --online`.
To change the default Linux distribution	In the terminal type, `wsl --install -d <distributionName>`.