

ACSE Quick installation guide

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February 5, 2020

This document aims to help students install the ACSE language on a quick and clean Linux version for computer running Windows.

1 Requirements

- Windows 10 build 14393 or above.
- The ACSE devkit version 1.1.5 or above. This can be provided by your lecturer on the appropriate channels.

2 Installation of Windows Subsystem for Linux (WSL)

In order to provide a clean installation of the required binaries for the compiler to work, without the need to install a complete Virtual Machine on the System or to use the dual boot, the best option is to opt for the WSL. Windows Subsystem for Linux is a lightweight version of a Linux distro under Windows 10 environment. With it, the POSIX syscalls of the virtualized machine are on-the-fly translated into Windows NT system calls.

1. Press `Win` + `R`, type 'powershell' and press `Ctrl` + `↑` + `Enter`. Insert the Administrator password if prompted.

2. Type:

```
Enable-WindowsOptionalFeature -Online  
-FeatureName Microsoft-Windows-Subsystem-Linux
```

and press `Enter`.

3. Reboot the computer.
4. Go to the Microsoft Store Application and install a Linux distro. <https://www.microsoft.com/it-it/p/pengwin/9nv1gv1pxz6p> or <https://www.microsoft.com/it-it/p/ubuntu/9nblggh4msv6Ubun> are recommended.