

# Computer Setup Programming

Robin Hellmers

October 13, 2021

# Contents

<b>1</b>	<b>Ubuntu App - Windows Subsystem for Linux</b>	<b>3</b>
1.1	WSL2 setup . . . . .	3
1.1.1	Automatic installation . . . . .	3
1.1.2	Manual installation . . . . .	4
1.1.2.1	Enable Windows Subsystem for Linux . . . . .	4
1.1.2.2	Enable Virtual Machine feature . . . . .	4
1.1.2.3	Download the Linux kernel update package . . . . .	4
1.1.2.4	Set WSL 2 as the default version . . . . .	4
1.2	Downloading the Ubuntu distribution . . . . .	4
1.2.1	Downloading through PowerShell . . . . .	4

# 1 Ubuntu App - Windows Subsystem for Linux

## 1.1 WSL2 setup

Installation method of WSL depends on which windows version you are running.

Check your Windows version and build number by pressing

Win + R -> Entering `winver`



Depending on the version you have, see the below sections.

If you have:

- Windows version 2004 and higher, with build 1904 and higher

Then you can do the [Automatic installation](#) section.

If that is not the case, then you must at least have:

- Windows version 1903 or higher, with build 18362 or higher

If so, then if running the version

- 1903, the build number must be 18362.1049 or higher
- 1909, the build number must be 18363.1049 or higher

If any of those is true for your system, then you can do the [Manual installation](#) section.

### 1.1.1 Automatic installation

A simple command in PowerShell: `wsl --install`

## 1.1.2 Manual installation

### 1.1.2.1 Enable Windows Subsystem for Linux

Open PowerShell as Admin and run:

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

### 1.1.2.2 Enable Virtual Machine feature

Open PowerShell as Admin and run:

```
dism.exe /online /enable-feature /featurename:VirtualMachinePlatform /all /norestart
```

Restart your computer.

### 1.1.2.3 Download the Linux kernel update package

Download the latest package through [this link](#).

### 1.1.2.4 Set WSL 2 as the default version

Every new distribution installed should run with the WSL version set as default.

Open PowerShell and run:

```
wsl --set-default-version 2
```

## 1.2 Downloading the Ubuntu distribution

### 1.2.1 Downloading through PowerShell

First we are going to download the Ubuntu distribution with some PowerShell commands.

Open PowerShell and go to somewhere in your main drive where you want to install Ubuntu: *When unzipping later, a directory named Ubuntu will be created.*

```
cd C:\textbackslash Users\textbackslash <username>\textbackslash
```