## Installing WSL under Windows 10

If you wish to run WSL under your Windows 10 installation, ensure that you are running Windows 10 in 64bit mode. Once you are ready to go, first ensure your W10 system is updated. Ideally, you will have at least the **Creators Update** version **1703**.

You can check the above by going in **Settings**  $\rightarrow$  **System**  $\rightarrow$  **About**:

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ц.	Battery	Edition	Windows 10 Pro			
<b></b>	Storage	Version	1703			
	Tablet mode	OS Build	15063.138			
40	lablet mode	Product IP				
[[]]	Multitasking	Processor	Intel(R) Core(TM) i7-6700HQ CPU @ 2.60GHz 2.59 GHz			
Ð	Projecting to this PC	Installed RAM	16.0 GB			
مە	Chanad autoritization	System type	64-bit operating system, x64-based processor			
ጽ	Shared experiences	Pen and touch	No pen or touch input is available for this display			
()	About	Change product key or upgrade your edition of Windows				
		Read the Privacy Statement for Windows and Microsoft services				
		Read the Microsoft Services Agreement that applies to our services				
		Read the Microsoft Software License Terms				

## Next, enable *Developer Mode* by going to **Settings** → **Update & Security** → **For Developers** and check *Developer Mode*:



Next step is to go into **Programs and Features** in your Control Panel and select **Turn Windows features on or off,** Once the box appears, scroll down and check **Windows Subsystem for Linux:** 

Windows Features	—		$\times$					
Turn Windows features on or off			?					
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means that only part of the feature is turned on.								
<ul> <li>Simple TCPIP services (i.e. echo, daytime etc)</li> <li>SMB 1.0/CIFS File Sharing Support</li> <li>SMB Direct</li> <li>Telnet Client</li> <li>TFTP Client</li> <li>Windows Identity Foundation 3.5</li> <li>Windows PowerShell 2.0</li> <li>Windows Process Activation Service</li> <li>Windows Subsystem for Linux (Beta)</li> <li>Windows TIFF IFilter</li> <li>Work Folders Client</li> <li>XPS Services</li> <li>XPS Viewer</li> </ul>			~					
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Press **OK** and restart the machine.

Now, open a *Command Prompt* (use the search box to find it, or go to Start  $\rightarrow$  Windows System  $\rightarrow$  Command Prompt) and type *bash*:



Type "y" and wait until WSL is installed. At the end, you will be asked to provide a username and a password. I suggest to keep the username short and a single word.

Once the installation is finished, you can start WSL from any Command Prompt window by typing **bash**, or use the Start menu to find the application named **Bash on Ubuntu on Windows:** 



Now, let's make sure our WSL is updated to the latest version. Type these commands in the console window:

## sudo apt update

## sudo apt upgrade

Once the update is finished, you can check what version of Ubuntu is used as source for the Linux binaries

In principle, you can install any command-line Linux application using:

sudo apt install <application\_name>

Enjoy.