

Chapter 3

Connecting Visual Studio Code to Ubuntu (WSL)

Step 1 - Open Ubuntu

1. Click the Start button.
2. Type Ubuntu.
3. Click the Ubuntu application.
4. Wait until the Linux prompt appears, for example:

`yourusername@yourcomputer:~$`

Step 2 - Open VS Code from Ubuntu

At the Ubuntu prompt, type the command below exactly as shown and then press Enter.

`code .`

The first time you do this, VS Code may ask to install the Microsoft WSL extension. Click Install and wait for it to complete.

VS Code should now reopen connected to Ubuntu.

Look in the bottom-left corner of VS Code. You should see:

WSL: Ubuntu

This confirms that VS Code is now working inside your Ubuntu Linux environment.

Step 3 - Open the Integrated Terminal

In VS Code, click:

Terminal → New Terminal

A terminal will open at the bottom of VS Code.

Check that the prompt looks similar to:

`yourusername@yourcomputer:~$`

Step 4 - Update Ubuntu from Inside VS Code

`sudo apt update`

`sudo apt upgrade -y`

Wait until both commands finish before continuing.

Step 5 - Install the Bootcamp Software

Copy and paste the following command into the VS Code terminal and press Enter.

```
sudo apt install -y git curl wget unzip zip tree vim build-essential  
openssh-client net-tools
```

Wait for the installation to complete.

Step 6 - Verify Each Tool

Run each command one at a time in the VS Code terminal.

Command	Expected Result	Purpose
git --version	Displays a Git version number	Confirms Git is installed
curl --version	Displays a curl version	Confirms curl is installed
wget --version	Displays a wget version	Confirms wget is installed
tree --version	Displays a tree version	Confirms tree is installed
vim --version	Displays a Vim version	Confirms Vim is installed
ssh -V	Displays an OpenSSH version	Confirms SSH client is installed
ifconfig	Displays network information	Confirms net-tools is installed

Checkpoint

- ☐ VS Code is connected to Ubuntu (WSL: Ubuntu).
- ☐ I can use the integrated terminal.
- ☐ Ubuntu is updated.
- ☐ All required packages are installed.
- ☐ Every verification command completed successfully.