Version: Oct 25 2022 Page 1 of 3

## **CI/CD Class Setup**

Please perform the following setup **before** the CI/CD class

## **Software Installation**

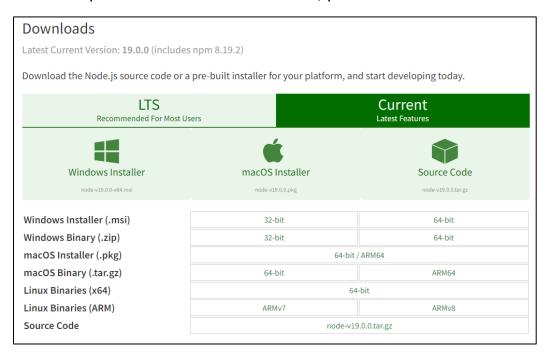
Install the following software

1. Git - <a href="https://git-scm.com/downloads">https://git-scm.com/downloads</a>

Windows users, please install the 64bit version. See the following video (<a href="https://www.youtube.com/watch?v=4xqVv2lTo40">https://www.youtube.com/watch?v=4xqVv2lTo40</a>). For Windows installation.

Instructions for OSX users are on the download page.

- 2. Install Visual Studio Code from <a href="https://code.visualstudio.com">https://code.visualstudio.com</a>.
- 3. Install NodeJS fromhttps://nodejs.org/en/download. Select the Current tab as shown in the picture below. Windows users, please select the 64bit installer



Download the installer (.msi for Windows and .pkg for OSX) and install.

4. Install Railway CLI; see the following for instruction:

https://docs.railway.app/develop/cli

Version: Oct 25 2022 Page 2 of 3

Note: install railway CLI **after** you have installed NodeJS

5. Install OpenSSH client.

Window users, see <a href="https://docs.microsoft.com/en-us/windows-server/administration/openssh/openssh install firstuse">https://docs.microsoft.com/en-us/windows-server/administration/openssh/openssh install firstuse</a>. Note you only need to install OpenSSH Client.

OSX should have OpenSSH client installed. To verify, open a terminal and type

```
which ssh-keygen.
```

This should display the location of ssh-keygen binary.

Once you have installed (Windows and OSX), open a terminal and type the following command to check the version

```
ssh -V
```

You should see something similar

```
OpenSSH 8.2p1 Ubuntu-4ubuntu0.4, OpenSSL 1.1.1f 31 Mar 2020
```

Note the version must be at or above 1.1.1f.

Version: Oct 25 2022 Page 3 of 3

## **Verify Your Setup**

Once you have installed all the above software, open a new terminal and type 'version' for each of the above. This step ensures that you have set the PATH variable correctly

- git version
- node --version
- railway --version
- ssh -V
- Try to launch Visual Studio Code

## **Accounts**

Create the following accounts

1. Github – if you do not have an account, please go to <a href="https://github.com">https://github.com</a> to create an account.

After you have created and verified your Github account, open a terminal and configure your git software with your name and email.

In the terminal type the following command entering your name and email

```
git config --global user.name your_name
git config --global user.email your_email
```

The name and email should ideally be the one you used to register the Github account

2. Railway – go to <a href="https://railway.app/">https://railway.app/</a> to sign up for a new Railway account. Once you have signed up and verified your account, open a terminal and use the railway CLI to login. On the terminal, type the following

```
railway login
```

and follow the instructions to login to your CLI.