

CI/CD Class Setup

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

Software Installation

Install the following software

1. Git - <https://git-scm.com/downloads>

Windows users, please install the 64bit version. See the following video (<https://www.youtube.com/watch?v=4xqVv2ITo40>). For Windows installation.

Instructions for OSX users are on the download page.

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


Downloads

Latest Current Version: 19.0.0 (includes npm 8.19.2)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.


LTS
Recommended For Most Users

Current
Latest Features




Windows Installer

node-v19.0.0-x64.msi



macOS Installer

node-v19.0.0.pkg



Source Code

node-v19.0.0.tar.gz

Windows Installer (.msi)	32-bit	64-bit
Windows Binary (.zip)	32-bit	64-bit
macOS Installer (.pkg)	64-bit / ARM64	
macOS Binary (.tar.gz)	64-bit	ARM64
Linux Binaries (x64)	64-bit	
Linux Binaries (ARM)	ARMv7	ARMv8
Source Code	node-v19.0.0.tar.gz	

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>

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

5. Install OpenSSH client.

Window users, see https://docs.microsoft.com/en-us/windows-server/administration/openssh/openssh_install_firstuse. 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`.

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 <https://github.com> 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 <https://railway.app/> 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.