

## Installing Git

Git is actually installed on MacOS, but we'll be reinstalling it so that we'll have the newest version:

1. go to <https://git-scm.com/downloads>
2. download the software for Mac
3. install Git choosing all of the default options

Once everything is installed, you should be able to run `git` on the command line. If it displays the usage information, then you're good to go!

If you run into any issues, please remember to take advantage of [Knowledge](#) and the community in your Student Hub.

## Configuring Mac's Terminal

We're about to configure the Terminal to display helpful information when in a directory that's under version control. *This is an optional step!* You do not need to re-configure your terminal for Git to work. You can complete the entire course without reconfiguring it. However, reconfiguring the Terminal makes it significantly easier to use.

If you choose to configure your Terminal, here's what it should look like when you're finished.



The terminal application on MacOS. The terminal has been configured to display version control information.

### ⚠ Hey, macOS Catalina Users!

The following instructions configure the `bash` terminal, which is the default terminal on macOS Mojave (10.14) and earlier.

If you're on macOS Catalina (10.15), the default terminal has switched to `zsh`. The `bash` shell hasn't been removed—it's just not the default one. To follow along with the instructions below, you need to be using `bash`. You can make `bash` your default terminal by running this command in your terminal:

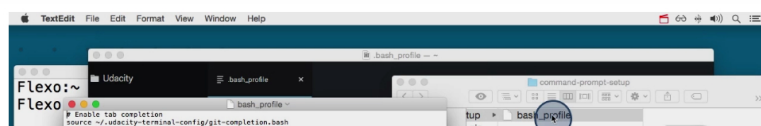
```
chsh -s /bin/bash
```

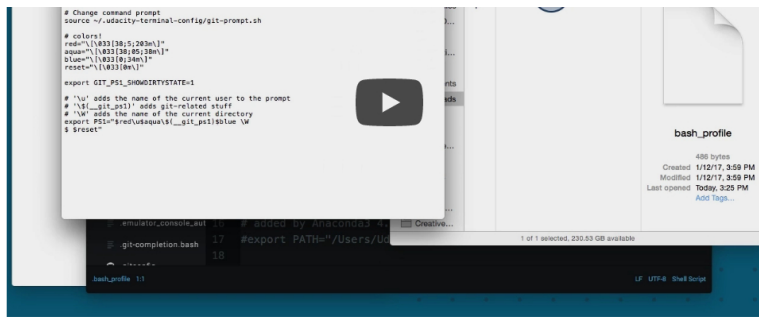
Now just relaunch the terminal and you'll be using the `bash` terminal.

## Configuration Steps

To configure the terminal, we'll perform the following steps:

1. download the zipped file from the Resources pane, or the bottom of this page
2. move the directory `udacity-terminal-config` to your home directory and name it `.udacity-terminal-config` (there's a dot at the front, now!)
3. move the `bash_profile` file to your home directory and name it `.bash_profile` (there's a dot at the front, now!)
  - if you *already* have a `.bash_profile` file in your home directory, transfer the content from the downloaded `bash_profile` to your existing `.bash_profile`





## First Time Git Configuration

Before you can start using Git, you need to configure it. Run each of the following lines on the command line to make sure everything is set up.

```
# sets up Git with your name
git config --global user.name "<Your-Full-Name>"

# sets up Git with your email
git config --global user.email "<your-email-address>"

# makes sure that Git output is colored
git config --global color.ui auto

# displays the original state in a conflict
git config --global merge.conflictstyle diff3

git config --list
```

## Git & Code Editor

The last step of configuration is to get Git working with your code editor. Below are three of the most popular code editors. If you use a different editor, then do a quick search on Google for "associate X text editor with Git" (replace the X with the name of your code editor).

### Atom Editor Setup

```
git config --global core.editor "atom --wait"
```

### Sublime Text Setup

```
git config --global core.editor "'/Applications/Sublime Text 2.app/Contents/Sha
```

### VSCode Setup

```
git config --global core.editor "code --wait"
```

If you have any questions, post them on the forum.

## Everything Is All Set Up



- ☒ I've installed Git
- ☒ I've configured Git with my username
- ☒ I've configured Git with my email
- ☒ I've configured Git to use my chosen editor

Supporting Materials  
[udacity-terminal-config.zip](#)

