

Exercise 1: Getting Started with Git

Follow the steps for either Mac or Windows to get started with Git.

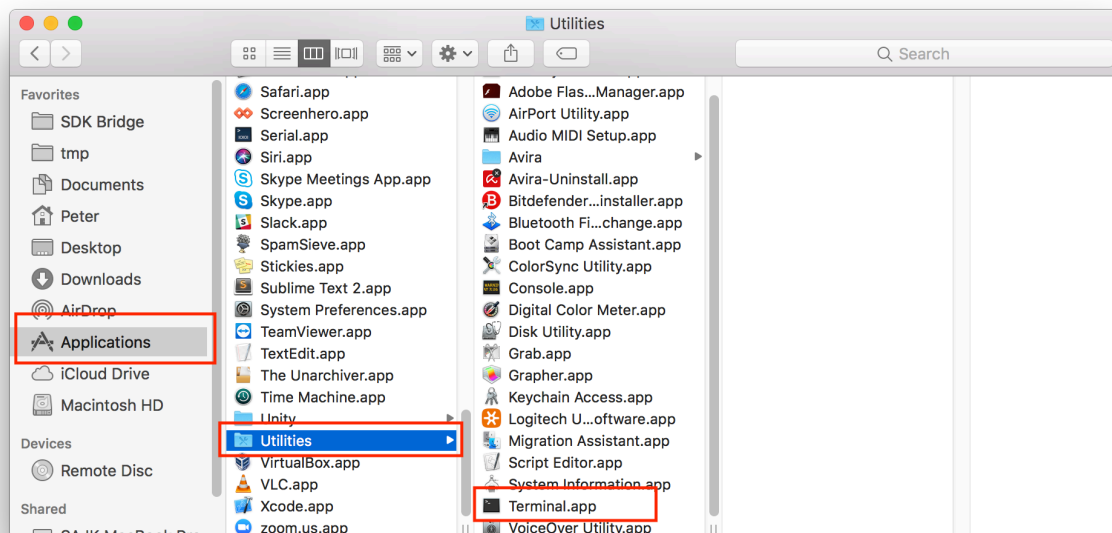
Mac

Text Editor

You are going to need a text editor to do these exercises. You can do an online search for “Mac text editor” to find some, such as Sublime Text. A free one that I use is Atom at <http://atom.io>. Download and install the editor.

Git

Git is automatically installed on Macs. We will access it through the Unix command line interface. Open the Finder, choose **Applications** from the left side, then open **Utilities**. Double-click **Terminal** to open the terminal. (Note: your Mac might not show the “.app” at the end of each application. Mine is set to show the file types as suffixes.)



In the terminal app, type:

```
git --version
```

You should see the version listed.

```
Peters-MacBook-Pro:~ Peter$ git --version
git version 2.15.2 (Apple Git-101.1)
Peters-MacBook-Pro:~ Peter$
```

Windows

Text Editor

You are going to need a text editor to do these exercises. You can do an online search for “Windows text editor” to find some. I don’t recommend Notepad, because it doesn’t automatically update. A free one that I use is Notepad++ at <https://notepad-plus-plus.org>. Download and install the editor.

Git

Git is not automatically installed on Windows. Although you can access it through the Windows console, for this class, I will ask you to use an application called git bash. Follow these instructions to install it:

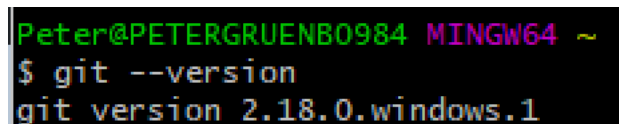
1. Go to <https://git-scm.com/downloads> and click on **Windows**
2. Run the executable. It will bring up several dialogs before installing.
 - a. Read and accept the license.
 - b. **Select destination location:** Ok to leave as default and just click Next.
 - c. **Select components:** Ok to leave as default and just click Next.
 - d. **Select start menu folder:** Ok to leave as default
 - e. **Choosing the default editor:** Set the dropdown to the editor you have chosen. Only leave it as Vim if you are familiar with this ancient editor.
 - f. **Adjusting your path environment:** Choose **Use Git from Git Bash only** (unless you are very comfortable with the Windows console app).
 - g. **Choosing the HTTPS transport backend:** Leave as **Use the Open SSL library**
 - h. **Configuring the line ending conversions:** Leave as **Checkout Windows style, commit Unix style line endings**
 - i. **Configuring the terminal editor:** Leave as **MinTTY**
 - j. **Configuring the extra options:** Leave all extra options checked.
 - k. Click **Install**
3. From the **Start** menu, open up the **Git** folder, and then **Git Bash**.

Important: If you are have trouble with any of the commands in Git Bash in the exercises that follow, you may need to right-click on **Git Bash** and choose **Run as Administrator** instead of just opening it.

4. Type:

```
git --version
```

You should see the version listed.



```
Peter@PETERGRUENB0984 MINGW64 ~  
$ git --version  
git version 2.18.0.windows.1
```