
title: Git FUN!damentals
subtitle: Installation and Setup
minutes:

On OSX

- your system *might* have git installed already
 - you can test this by opening a terminal and typing git
- if not, install xcode from the app store

On Windows

- you should already have this from when you grabbed git and git-bash during the last lesson. If you do not have git or git-bash, please install from [here \(https://git-scm.com/downloads\)](https://git-scm.com/downloads).

On Linux

- you can use the package manager by just typing:

```
$ apt-get install git
```

Configuring git to work with you

You need to tell git who you are

We do this by setting a couple of options in a file found in your home directory

```
git config --global user.name "Firstname Lastname"  
git config --global user.email username@company.extension
```

Your name and email address is included in every change that you make, so it's easy to keep track of who did what

Also, unless you are a vimwizard, I would recommend changing your default editor to nano

```
git config --global core.editor nano
```

If you have a different favorite editor, you can type in the appropriate command from the table below:

Editor	Configuration command
Atom	\$ git config --global core.editor "atom --wait"
nano	\$ git config --global core.editor "nano -w"

Text Wrangler	<code>\$ git config --global core.editor "edit -w"</code>
Sublime Text (Mac)	<code>\$ git config --global core.editor "subl -n -w"</code>
Sublime Text (Win, 32-bit install) "c:/program files (x86)/sublime text 3/sublime_text.exe" -w`	<code>`\$ git config --global core.editor</code>
Sublime Text (Win, 64-bit install) "c:/program files/sublime text 3/sublime_text.exe" -w`	<code>`\$ git config --global core.editor</code>
Notepad++ (Win) (x86)/Notepad++/notepad++.exe' -multInst -notabbar -nosession -noPlugin"	<code>"c:/program files `\$ git config --global core.editor</code>
Kate (Linux)	<code>\$ git config --global core.editor "kate"</code>
Gedit (Linux)	<code>\$ git config --global core.editor "gedit -s -w"</code>
emacs	<code>\$ git config --global core.editor "emacs"</code>
vim	<code>\$ git config --global core.editor "vim"</code>

Make sure everything was entered correctly by typing `git config --list`

```
user.name=Dillon Niederhut
user.email=dillon.niederhut@gmail.com
core.editor=nano
```

Getting Help

Of course, many issues you run into can be solved through Google, but Git provides two help commands. `-h` will tell you more about a specific command and `--help` will bring up the manual:

```
$ git config -h
$ git --help
```

Acknowledgments

This learning module borrows and adapts materials from the following organizations and individuals. Thank you!

[Software Carpentry \(https://github.com/swcarpentry/git-novice\)](https://github.com/swcarpentry/git-novice)
[Dav Clark \(https://github.com/davclark/git-fundamentals\)](https://github.com/davclark/git-fundamentals)