

title: Installing git on your Personal Laptop subtitle: Quick Tutorial Guide author: - Jeremy Yuan

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Introduction

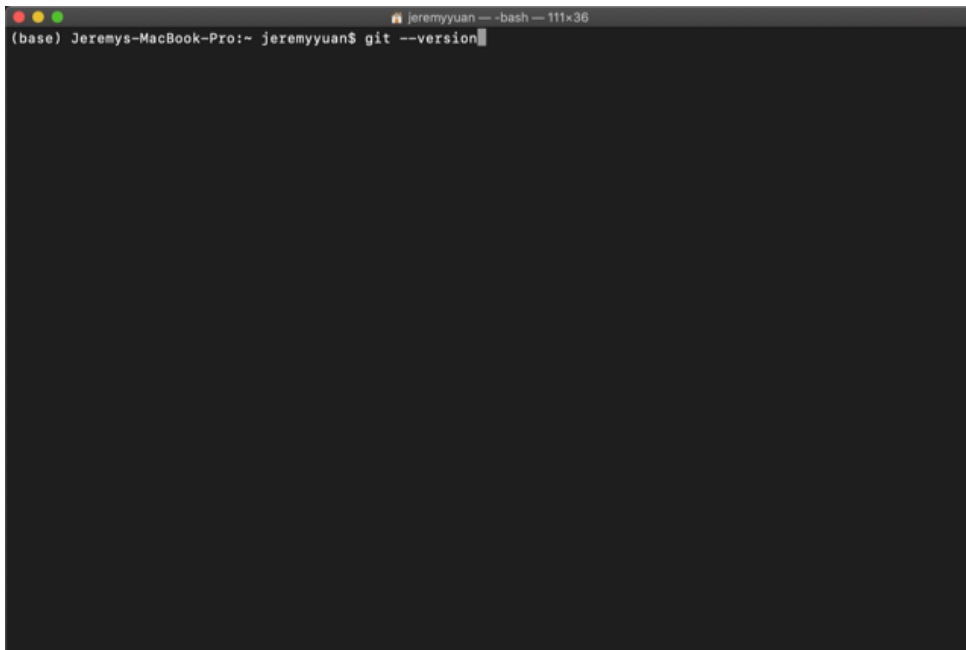
What is git?

Git is a free and open source version control system designed to handle everything from small to very large projects with speed and efficiency. It is extremely popular everywhere in the computer science world and is used at big tech companies and in research. It outclasses other SCM tools like Subversion, CVS, Perforce, and ClearCase with features like cheap local branching, convenient staging areas, and multiple workflows.

Installing git on MacOS

Open the Terminal:

Installing git on MacOS requires using the terminal and the command line.

A screenshot of a macOS Terminal window. The title bar shows 'jeremyyuan - bash - 111x36'. The terminal content shows the prompt '(base) Jeremys-MacBook-Pro:~ jeremyyuan\$' followed by the command 'git --version' being typed at the end of the line.

You can find terminal and open it by spotlight searching for it or searching for it in your applications.

Install through the a command:

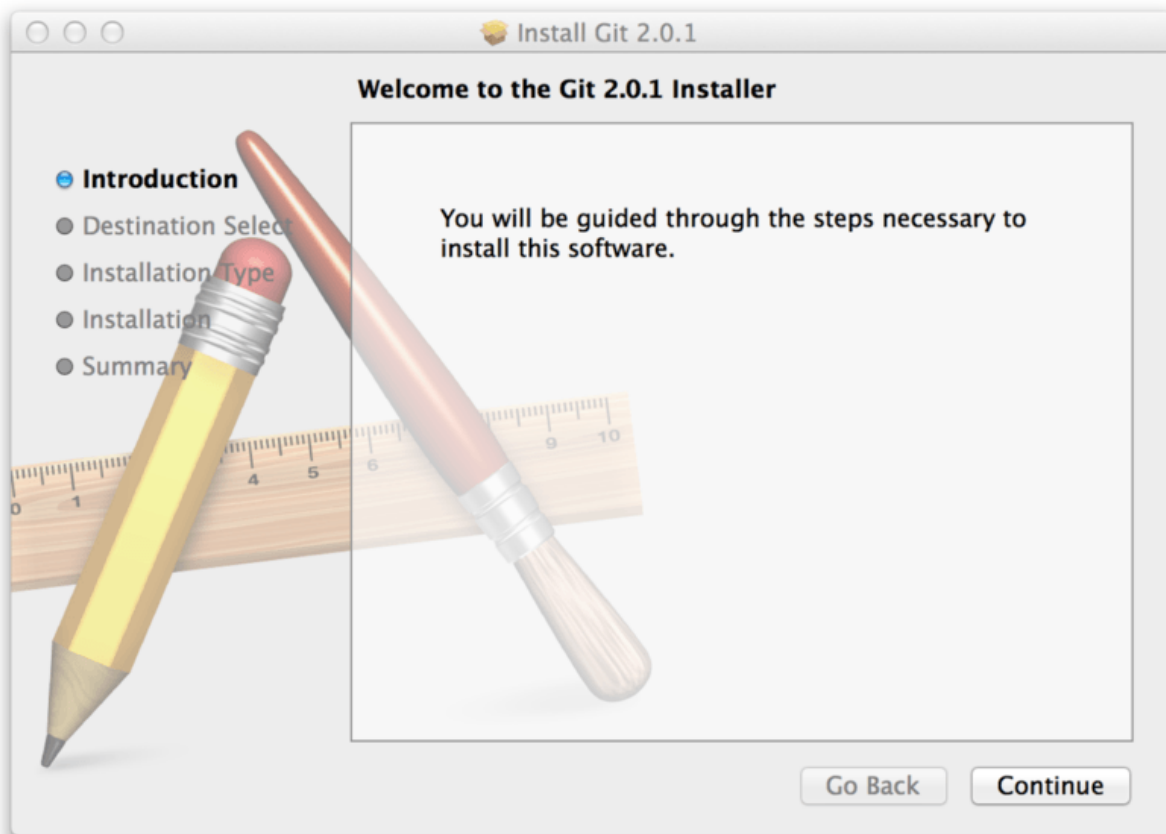
In the terminal window, type the command

```
$ git --version
```

Make sure to type it character-for-character; if you forget a space or a hyphen, the command most likely will not work.

- If you already have git installed, then the command should print the git version. This means you already have git installed and do not need to proceed further. You're done!

- If you do not have git, then this will open an installer window.



Follow the instructions to install git. Make sure to install git in the default location it gives you.

Installing git on Windows

Download the Installer

The easiest way to install git on a Windows machine is to download the build from the git website. Click this link to start the download:
<https://git-scm.com/download/win>.

About**Documentation****Downloads**

GUI Clients

Logos

Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to **read online for free**. Dead tree versions are available on [Amazon.com](https://www.amazon.com).

Downloading Git

**Your download is starting...**

You are downloading the latest (**2.28.0**) **64-bit** version of **Git for Windows**. This is the most recent **maintained build**. It was released **2 months ago**, on 2020-07-28.

[Click here to download manually](#), if your download hasn't started.

Other Git for Windows downloads**Git for Windows Setup****32-bit Git for Windows Setup.****64-bit Git for Windows Setup.****Git for Windows Portable ("thumbdrive edition")****32-bit Git for Windows Portable.****64-bit Git for Windows Portable.**

The current source code release is version **2.28.0**. If you want the newer version, you can build it from [the source code](#).

Clicking the link should start the download automatically, but there is also an option to allow you to start another download manually.

Run the Installer

Once the installer has finished downloading, all you have to do is run the installer. Follow the instructions and allow git to install in the default location. You're done!

Installing git on Linux

Run the Install Command

On a linux machine, all you have to do is run the install command from the command line. Type the correct command and press enter or return.

If you're on Fedora (or any closely-related RPM-based distribution, such as RHEL or CentOS), you can use `dnf` :

```
$ sudo dnf install git-all
```

If you're on a Debian-based distribution, such as Ubuntu, try `apt` :

```
$ sudo apt install git-all
```

For more options, there are instructions for installing on several different Unix distributions on the Git website, at <https://git-scm.com/download/linux>.

Further Reading

If you have more questions or issues, git provides full documentation on installing their software here: <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>.