

# Ruby Installation Instructions

This document will guide you through the process of installing Ruby on Mac OS X, Windows, and Ubuntu.

## Installing Ruby on OS X

Most OS X users won't have to do much. Fire up a terminal and run: `ruby -v`. The below output is from a Linux machine, but yours will look similar. If you're running a version above 2.0, you're good to go.

```
peleke :: 23.2 :: 21:37:28 ~# ruby -v
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
peleke :: 23.2 :: 21:37:45 ~# |
```

If you're running 1.8.x—or anything that isn't 2.x—follow the steps below.

1. Install [Homebrew](#). You should visit the home page for the latest install instructions, but pasting the following command in the terminal should work:
  - `/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"`
2. Once you've got Homebrew, run: `brew install ruby` to get the latest version.
3. Run `ruby -v`, and make sure your output indicates Ruby 2.x. If it doesn't, slack a TA.

## Installing Ruby on Windows

If you're on Windows, [download the Ruby Installer](#) and follow the instructions.

Fire up a `cmd` terminal and run `ruby -v` to verify everything installed properly. You're good as long as you're running version 2.x.

```
C:\Users\Peleke>ruby -v
ruby 2.3.1p112 (2016-04-26 revision 54768) [i386-mingw32]
```

## Installing Ruby on Ubuntu

If you're using Ubuntu on Windows 10, we recommend installing `rbenv` and `ruby-build`. This

allows you to install multiple versions of Ruby in parallel, and choose which one you want to use on a case-by-case basis.

There's more setup than there is with Windows or the Homebrew approach given above, but that's what you signed up for when you chose Linux. Welcome to the club.

## Install rbenv

This is the tool that lets you install several versions of Ruby in parallel.

Open up the [rbenv documentation](#). You *should* read the sections on `$PATH`, but it's not required. Jump to and follow the [installation instructions](#) if you choose to skip it.

Make sure to add your install directory to your `$PATH`. The line of code in the instructions that appends to `~/.bashrc` should be sufficient.

## Install ruby-build

This is the tool that allows you to actually *install* different versions of Ruby.

Head to the [ruby-build](#) project page, and follow the instructions.

## Install a Ruby

To install Ruby, fire up a fresh Terminal, and run `rbenv install 2.3.1 --verbose`. This will download and install Ruby v2.3.1.

**Fair warning:** This might take awhile, and there's a chance it will fail. This took an hour on my machine, and failed due to a missing dependency. It will tell you exactly what dependency was missing, though, so install it, and try again.

After a successful install, run `rbenv global 2.3.1`. This will set your system default Ruby to version 2.3.1.

Finally, run `ruby -v` to check your version output. You should get something like below.

```
peleke :: 23.2 :: 21:37:28 ~# ruby -v
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
peleke :: 23.2 :: 21:37:45 ~# |
```

If something goes wrong, feel free to Slack a TA.