# Instructions

* **Install** [**VirtualBox**](https://www.virtualbox.org/wiki/Downloads) **for your operating system**
  + [**4.2.12**](http://download.virtualbox.org/virtualbox/4.2.12/)
* **Install the latest** [**Vagrant**](http://downloads.vagrantup.com/) **for your operating system**
* **Install the latest** [**git**](http://git-scm.com/downloads) **for your operating system**
* **(Windows only) Download** [**Putty**](http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html)**, move it to somewhere safe, and pin it to your taskbar.**
  + *you want the installer, labeled “A Windows installer for everything except PuTTYtel” at time of writing*
* **Use command line to create and navigate to the directory you’d like to install the Vagrant image in (I use C:\vagrant\)**
* **Run git clone https://github.com/lowe0292/InfoParty-Vagrant.git**
* **Navigate into the newly created InfoParty-Vagrant folder (created from the** git clone **command)** cd InfoParty-Vagrant **(note, this is where the laravel files that you’ll be editing / adding to live)**
* **Run vagrant up. Warning, this command will have to download the box before it can boot it up, so be patient**
* **Open a browser and navigate to** <http://localhost:8888> **to verify the install succeeded**
* **Read more about our box** [**here**](http://docs-v1.vagrantup.com/v1/docs/getting-started/index.html) **and vagrant in general** [**here**](https://github.com/bryannielsen/Laravel4-Vagrant#laravel-4-w-vagrant)

# Explanation

1. Required software. VirtualBox is a cross-platform virtualization program that enables us to run a linux server inside our host OS, be it Mac OS or Windows
2. Required software. Vagrant is a cross-platform command line interface that streamlines virtual image management
3. Required software. git is the world’s leading version control system. Read [this book](http://git-scm.com/book) to figure out how it works and how to use it
4. Required software for Windows. Putty allows windows users access to a shell, Linux’s terminal (Mac OS has it built in, because it’s built on Unix). We use this to [SSH](http://en.wikipedia.org/wiki/Secure_Shell) into our box which gives us the power to run Linux commands in the box. You need this program for SSH access to the Vagrant box, and you want the installer, labeled “A Windows installer for everything except PuTTYtel” at time of writing. To access the box through SSH on Windows, run vagrant ssh which will print the Host and Port you’ll need to use in Putty. Login info is in this [google doc](https://docs.google.com/spreadsheet/ccc?key=0AlWCJFFn6moAdEdoVHJtY2ZWODkyVlNZOUxNOE90R1E#gid=0). Alternatively, you could install OpenSSH following these [instructions](http://www.windows-commandline.com/2009/01/windows-command-line-ssh.html) to enable ssh from your windows command line
5. Navigation with command line is important for web development. Here’s a primer for [Windows](http://www.online-tech-tips.com/computer-tips/how-to-use-dos-command-prompt/) and [Linux](http://www.computerworld.com/s/article/9030259/Linux_Command_Line_Cheat_Sheet) (same as Mac OS) command line navigation
6. Uses git to download the files needed for our vagrant box. Those files are hosted on GitHub as an open-source repository
7. Run the vagrant command to start the server. Learn more about the vagrant commands by typing vagrant without any parameters
8. See the fruits of our labor, stock laravel4 being served from the vagrant box. Note that these laravel files are located in the same folder that you created in 5
9. Learn stuff!