

Solar Size

Installation Steps

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[Homestead official installation guide](#)

This project utilizes Vue, Laravel and Python3. This installation process will document the installation process generally, specific user deviations may be required to run.

1. Download and install [Vagrant](#)
2. Download and install [VirtualBox](#)
3. Git clone <https://github.com/karleefidek/SolarSize-Capstone.git> server branch to a desired location. The project code is in the SolarSize folder
4. Next, install Homestead.

This can be done by cloning the Homestead Git repository with the command:

```
git clone https://github.com/laravel/homestead.git ~/Homestead
```

Change into the directory of the cloned homestead repo.

Checkout to the latest branch with git checkout release

In the same directory run:

- i. Linux/Mac: `bash init.sh`
- ii. Windows: `init.bat`

Next, copy this into your "Homestead.yaml" file, changing the file locations to match your username. Under the folders, the map option should be the location of the SolarSize folder that was cloned in step 3.

Note: you may need to generate RSA keys if id_rsa.pub and id_rsa files don't exist, to this this, run

```
ssh-keygen -t rsa -C ""
```

Mac/Linux keys may exist in ~/.ssh

```
ip: "192.168.56.56"
memory: 2048
cpus: 2
provider: virtualbox

authorize: "c:/Users/Tristan Hannibal/.ssh/id_rsa.pub"

keys:
  - "c:/Users/Tristan Hannibal/.ssh/id_rsa"

folders:
  - map: "c:/Users/Tristan Hannibal/Desktop/ENSE400-477/char-ENSE-Capstone/SolarSize"
    to: /home/vagrant/code

sites:
  - map: homestead.test
    to: /home/vagrant/code/public

databases:
  - homestead

features:
  - mysql: true
  - mariadb: false
  - postgresql: false
  - ohmyzsh: false
  - webdriver: false
  - python: true

services:
  - enabled:
      - "mysql"
```

5. Now with the YAML file configured to the requirements, enter `vagrant up` in the homestead directory
6. This may take awhile.
7. Once the homestead server is provisioned, you can ssh into it with `vagrant ssh`
8. `cd code`
9. With an ls it should look like

```
vagrant@homestead:~/code$ ls
app                               node_modules                    routes
artisan                          package.json                    server.php
bootstrap                        package-lock.json               storage
composer.json                   phpunit.xml                     tests
composer.lock                   public                          vendor
config                          python_scripts                  webpack.mix.js
database                        README.md                       webpack.mix.js.bak
launch.json                      resources
```

If not, make sure the yaml file is pointing to the correct location to the SolarSize project code.

10. Enter `npm install`
11. Enter `pip install -r requirements.txt`
12. Finally build vue with `npm run dev`
13. Go to `homestead.test`, and the website should be live