

Last login: Wed Feb 15 15:18:47 on ttys003

➔ Workspace vm up

Bringing machine 'default' up with 'virtualbox' provider...

==> default: Checking if box 'laravel/homestead' is up to date...

==> default: There was a problem while downloading the metadata for your box

==> default: to check for updates. This is not an error, since it is usually due

==> default: to temporary network problems. This is just a warning. The problem

==> default: encountered was:

==> default:

==> default: Unknown SSL protocol error in connection to atlas.hashicorp.com:443

==> default:

==> default: If you want to check for box updates, verify your network connection

==> default: is valid and try again.

==> default: Resuming suspended VM...

==> default: Booting VM...

==> default: Waiting for machine to boot. This may take a few minutes...

default: SSH address: 127.0.0.1:2222

default: SSH username: vagrant

default: SSH auth method: private key

==> default: Machine booted and ready!

==> default: Machine already provisioned. Run `vagrant provision` or use the `--provision`

==> default: flag to force provisioning. Provisioners marked to run always will still run.

➔ Workspace vm ssh

Welcome to Ubuntu 14.04.4 LTS (GNU/Linux 3.19.0-25-generic x86_64)

* Documentation: <https://help.ubuntu.com/>

Last login: Mon Jan 16 08:54:25 2017 from 10.0.2.2

vagrant@homestead:~\$ █

samgui@2017.05.15

Build "perfect" development environment

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背景

- ◉ 洁癖 没人想在自己的电脑装乱七八糟的软件
- ◉ 折腾 没事捣鼓各种技术，安装各种不明依赖
- ◉ 版本 开发环境多版本切换不够优雅容易出错
- ◉ 同步 开发环境跟线上环境配置同步防止重复
- ◉ 共享 新同学入职花三天从头走一遍环境搭建
- ◉ 分离 代码和运行环境不分离，系统升级麻烦



Development
environments
made easy.

<https://www.vagrantup.com/>

Laravel Homestead

Included Software

- ◉ Ubuntu 16.04
- ◉ Git
- ◉ PHP 7.1
- ◉ Nginx
- ◉ MySQL
- ◉ MariaDB
- ◉ Sqlite3
- ◉ Postgres
- ◉ Composer
- ◉ Node (With Yarn, PM2, Bower, Grunt, and Gulp)
- ◉ Redis
- ◉ Memcached
- ◉ Beanstalkd

准备

- ◎ 相关软件
- ◎ 环境配置
- ◎ 打包共享

相关软件

推荐套装

Vagrant

Virtualbox

(Vagrant Manager)

../公共/前端组/software/dmg/vagrant/*

环境配置

最简初始化

```
$ cd workspace
```

```
$ vagrant init laravel/homestead
```

```
$ vagrant up
```

第一次初始化 BOX 耗时长，容易下载失败，不推荐
该方式会直接生成 Vagrantfile，配置对初学者不友好

<https://atlas.hashicorp.com/boxes/search>

环境配置

典型的 Vagrantfile

- 基于 Ruby 具备可编程性
- 个性化定制初始化环境
- 一份文件配置多台虚拟机

```
# -*- mode: ruby -*-
# vi: set ft=ruby :

Vagrant.configure("2") do |config|
  config.vm.box = "laravel/homestead"
  config.vm.network :private_network, ip: "192.168.10.10"
  config.vm.provider :virtualbox do |vb|
    vb.customize [
      '--memory', '512',
      '--cpus', '2'
    ]
  end

  config.vm.provision "shell", inline: <<-SHELL
    sudo apt-get update
    sudo apt-get install -y openssl htop
    if [ ! -d ~vagrant/.oh-my-zsh ]; then
      git clone https://github.com/robbyrussell/oh-my-zsh.git ~vagrant/.oh-my-zsh
    fi
    cp ~vagrant/.oh-my-zsh/templates/zshrc.zsh-template ~vagrant/.zshrc
    chown vagrant: ~vagrant/.zshrc
    chsh -s /bin/zsh vagrant
  SHELL

  config.vm.define "web" do |web|
    web.vm.box = "apache"
  end

  config.vm.define "db" do |db|
    db.vm.box = "mysql"
  end
end
```

环境配置

在线添加 Homestead Vagrant Box

```
$ vagrant box add laravel/homestead
```

该方法耗时长，容易下载失败，不推荐！

<https://www.vagrantup.com/docs/boxes/>

环境配置

本地添加 Homestead Vagrant Box
\$ vagrant box add metadata.json

先下载 [homestead.box](#) 文件，然后在同级目录创建 [metadata.json](#) 文件，内容如下：

```
{
  "name": "laravel/homestead", // box 名称
  "versions": [{
    "version": "2.1.0", // box 版本
    "providers": [{
      "name": "virtualbox", // provider 名称
      "url": "virtualbox.box" // 本地 box 路径
    }]
  }]
}
```

环境配置

安装 Homestead

```
$ cd ~
```

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

```
$ cd Homestead
```

```
$ bash init.sh
```

```
$ vim ~/.homestead/Homestead.yaml
```

环境配置

Homestead.yaml

```
---
ip: "192.168.10.10" # 虚拟机分配的 IP 地址
memory: 2048
cpus: 1
provider: virtualbox # 使用 virtualbox 作为虚拟机

authorize: ~/.ssh/id_rsa.pub

keys:
| - ~/.ssh/id_rsa

# 本机和虚拟机目录映射
folders:
| - map: ~/Workspace # 本机目录
|   to: /home/vagrant/Workspace # 虚拟机目录
|   type: "nfs"

sites:
| - map: union.meizu.com # 站点域名
|   to: /home/vagrant/Workspace/meizu/developer/union/public # 站点根目录
```

环境配置

创建快捷方式，在任意目录控制虚拟机

```
$ vim ~/.zshrc
```

```
alias vm='function __homestead() { (cd ~/Homestead &&  
vagrant $*); unset -f __homestead; }; __homestead'
```

环境配置

常用命令

\$ vm up # 开机

\$ vm ssh # 登录虚拟机

\$ vm reload --provision# 重启使配置修改生效

\$ vm destroy # 移除所有虚拟机

\$ vm halt #关机

\$ vm suspend # 暂停

\$ vm box update --box laravel/homestead # 更新指定 BOX

打包共享

打包 BOX 文件

```
$ vm halt
```

```
$ vm package --output package.box
```

```
--vagrantfile # 个性化定制 Vagrantfile 配置
```

```
--include      # 比如 metadata.json 文件，可以修改版本
```


实操

配置 HOST

192.168.10.10 domain.com

QA & END