

Step by step Zend Framework website via Vagrant/Virtualbox

Step 1 (running Vagrant on virtualbox):

- <https://github.com/wmadvanced2012/vagrant2>

Vagrant LAMP

Want to test a new web app but don't want to affect your current Apache / MySQL / PHP system? Applications like MAMP are great, but they don't make it easy to maintain multiple, separate web roots.

If you find yourself needing quick to configure web stack, but also one that is customizable try this Vagrant project

Vagrant allows for Virtual Machines to be quickly setup, and easy to use.

And this project aims to make it very easy to spinup a complete LAMP stack in a matter of minutes.

Requirements

- VirtualBox <http://www.virtualbox.com>
- Vagrant <http://www.vagrantup.com>
- Git <http://git-scm.com/>

Usage

```
$ git clone http://www.github.com/wmadvanced2012/vagrant-lamp-new
$ cd vagrant-lamp-new
$ vagrant up
```

That is pretty simple.

Technical Details

- Ubuntu 12.04 (Precise Pangolin)
- Apache 2
- PHP 5.3
- MySQL 5.5
- HTTP port: 8888 (i.e. <http://localhost:8888>)
- or FIXED IP
 - # Assign this VM to a host-only network IP, allowing you to access it
 - # via the IP. Host-only networks can talk to the host machine as well as
 - # any other machines on the same network, but cannot be accessed (through this

- # network interface) by any external networks.
- config.vm.network :hostonly, "192.168.33.15"
- MySQL port: 8889

Download Ubuntu

I am using the base Ubuntu 12.04 box from Vagrant. If you don't already have it downloaded, the Vagrantfile has been configured to do it for you.

This only has to be done once for each account on your host computer.

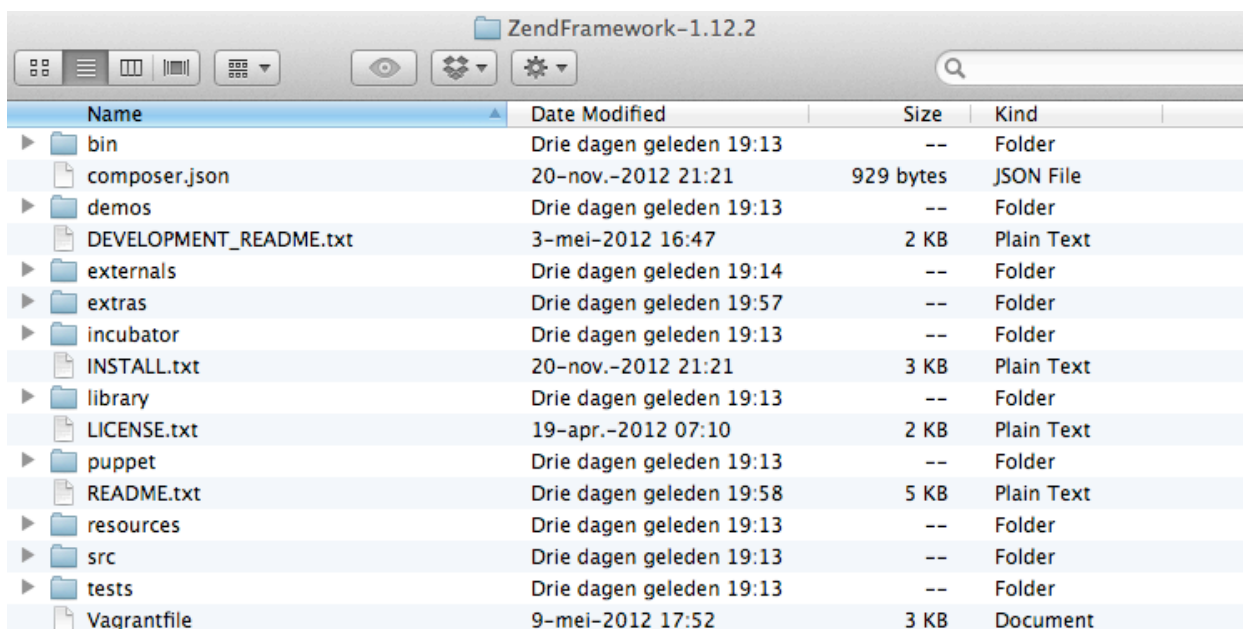
The web root is located in the project directory at htdocs and you can install your files there

And like any other vagrant file you have SSH access with

```
$ vagrant ssh
```

Step 2 (Download Zend Framework)

- <https://packages.zendframework.com/releases/ZendFramework-1.12.2/ZendFramework-1.12.2.tar.gz>
- or
- <https://packages.zendframework.com/releases/ZendFramework-1.12.2/ZendFramework-1.12.2.zip>
- Untar or unzip this folder this folder



Name	Date Modified	Size	Kind
bin	Drie dagen geleden 19:13	--	Folder
composer.json	20-nov.-2012 21:21	929 bytes	JSON File
demos	Drie dagen geleden 19:13	--	Folder
DEVELOPMENT_README.txt	3-mei-2012 16:47	2 KB	Plain Text
externals	Drie dagen geleden 19:14	--	Folder
extras	Drie dagen geleden 19:57	--	Folder
incubator	Drie dagen geleden 19:13	--	Folder
INSTALL.txt	20-nov.-2012 21:21	3 KB	Plain Text
library	Drie dagen geleden 19:13	--	Folder
LICENSE.txt	19-apr.-2012 07:10	2 KB	Plain Text
puppet	Drie dagen geleden 19:13	--	Folder
README.txt	Drie dagen geleden 19:58	5 KB	Plain Text
resources	Drie dagen geleden 19:13	--	Folder
src	Drie dagen geleden 19:13	--	Folder
tests	Drie dagen geleden 19:13	--	Folder
Vagrantfile	9-mei-2012 17:52	3 KB	Document

Rename this folder to zendframework en move it to your vagrants htdocs folder, under libraries/ZendFramework. You should have vagrant-lamp-new/htdocs/libraries/ZendFramework.

Step 3 (create a new Zend Framework project using Zend_Tool)

- Vagrant is already running, so we create a symlink in it to properly work with Zend_Tool

Vagrant ssh

```
ln -s /var/www/libraries/ZendFramework/bin/zf.sh /usr/local/bin/zf
```

- Test zf command should give something like this



```
vagrant@precise32:~$ zf

An Error Has Occurred
An action and provider is required.

Zend Framework Command Line Console Tool v1.12.1
Usage:
  zf [--global-opts] action-name [--action-opts] provider-name [--provider-opts] [pro
vider parameters ...]
  Note: You may use "?" in any place of the above usage string to ask for more specif
ic help information.
  Example: "zf ? version" will list all available actions for the version provider.
  integrated runtime environment.

Providers and their actions:
Version
  zf show version mode[=mini] name-included[=1]
  Note: There are specialties, use zf show version.? to get specific help on them.

Config
  zf create config
  zf show config
  zf enable config
  Note: There are specialties, use zf enable config.? to get specific help on them.
  zf disable config
  Note: There are specialties, use zf disable config.? to get specific help on them.

Phpinfo
  zf show phpinfo

Manifest
  zf show manifest

Profile
  zf show profile

Project
  zf create project path name-of-profile file-of-profile
  zf show project
  Note: There are specialties, use zf show project.? to get specific help on them.

Application
  zf change application.class-name-prefix class-name-prefix

Model
  zf create model name module

View
  zf create view controller-name action-name-or-simple-name module

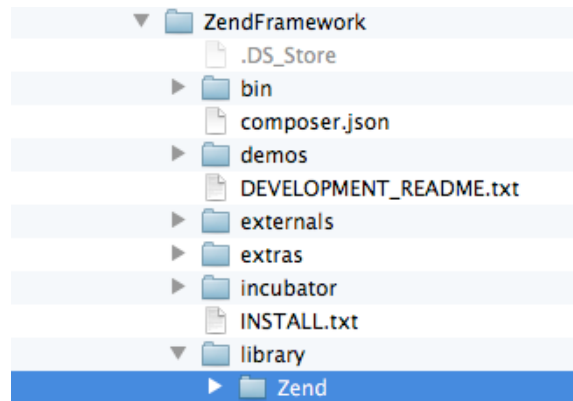
Controller
  zf create controller name index-action-included[=1] module

Action
```

Cd /var/www

```
zf create project zf1
```

- Copy the Zend folder



to htdocs/library

Step 4 (change the document_root)

Zend Framework uses the public folder as document_root, so we need to change that in

the vhost file.

- This file is located under chef/cookbooks/apache2/templates/default/default-site.erb

```

<VirtualHost *:80>
    ServerAdmin <%= node['apache']['contact'] %>

    DocumentRoot /var/www/public/
    <Directory />
        Options FollowSymLinks
        AllowOverride All
    </Directory>
    <Directory /var/www/public/>
        Options Indexes FollowSymLinks MultiViews
        AllowOverride All
        Order allow,deny
        allow from all
        # This directive allows us to have apache2's default start page
        # in /apache2-default/, but still have / go to the right place
        #RedirectMatch ^/$ /apache2-default/
    </Directory>

    ScriptAlias /cgi-bin/ /usr/lib/cgi-bin/
    <Directory "/usr/lib/cgi-bin">
        AllowOverride All
        Options ExecCGI -MultiViews +SymLinksIfOwnerMatch
        Order allow,deny
        Allow from all
    </Directory>

    ErrorLog <%= node['apache']['log_dir'] %>/error.log

    # Possible values include: debug, info, notice, warn, error, crit,
    # alert, emerg.
    LogLevel warn

    CustomLog <%= node['apache']['log_dir'] %>/access.log combined
    ServerSignature On

    Alias /doc/ "/usr/share/doc/"
    <Directory "/usr/share/doc/">
        Options Indexes MultiViews FollowSymLinks
        AllowOverride All
        Order deny,allow
        Deny from all
        Allow from 127.0.0.0/255.0.0.0 ::1/128
    </Directory>

    <% if %{ redhat centos scientific fedora }.include?(node['platform']) -%>
    #
    # This configuration file enables the default "Welcome"
    # page if there is no default index page present for
    # the root URL. To disable the Welcome page, comment
    # out all the lines below.
    #
    <LocationMatch "^/+ $">
        Options -Indexes
        ErrorDocument 403 /error/noindex.html
    </LocationMatch>
    <% end -%>
</VirtualHost>

```

- Save this file run vagrant halt, vagrant up

Step 5 (Zend Framework is up and running!)

- Try localhost:8888 or 192.168.33.15 to see your Zend Framework application running.