

VAGRANT, IT'S AWESOME!

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(and it has some real neat friends)

I'm Brad Parbs



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- Developer @ WebDevStudios



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- Push code to <http://github.com/bradp>



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- <http://brad.party>



Let's talk about local development environments.





So, what's Vagrant?



Create and configure **lightweight, reproducible**, and **portable** development environments.

I ♥ Vagrant & friends.



I ♥ Vagrant & friends.

- **Easy WPCLI**
- **Setting up sites super fast**
- **Always up-to-date**
- **No more MAMP**
- **Keeps your system clean**

./ WP-CLI

A command line interface for WordPress

[Commands](#)[Configuration](#)[Packages](#)[Blog](#)[Wiki](#)[Github](#)[Twitter](#)

WP-CLI is a set of command-line tools for managing [WordPress](#) installations. You can update plugins, set up multisite installs and much more, without using a web browser.

Requirements

- >> UNIX-like environment (OS X, Linux, FreeBSD, Cygwin)
- >> PHP 5.3.2 or later
- >> WordPress 3.5.2 or later

Installing

First, download [wp-cli.phar](#) using `wget` or `curl`. For example:

```
curl -L https://raw.githubusercontent.com/wp-cli/builds/gh-pages/phar/wp-cli.phar > wp-cli
```

Then, check if it works:

```
php wp-cli.phar --info
```

To be able to type just `wp`, instead of `php wp-cli.phar`, you need to make the file executable and move it to somewhere in your PATH. For example:

What can you do with WPCLI?

\$ wp core update

\$ wp plugin install *logout-roulette*

\$ wp scaffold post-type *books*

Setting up and managing
sites super easily!

Scripting site setup

- Auto-create Sublime project
- Add to SourceTree
- Open in Chrome
- Anything you can imagine

Installing Vagrant

Downloads – Oracle VM VirtualBox

Meow

← → ↻ <https://www.virtualbox.org/wiki/Downloads> ☆ ≡



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 [Technical docs](#)
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VirtualBox

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Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
 - **VirtualBox 4.3.26 for Windows hosts** ⇨ [x86/amd64](#)
 - **VirtualBox 4.3.26 for OS X hosts** ⇨ [x86/amd64](#)
 - **VirtualBox 4.3.26 for Linux hosts**
 - **VirtualBox 4.3.26 for Solaris hosts** ⇨ [amd64](#)
- **VirtualBox 4.3.26 Oracle VM VirtualBox Extension Pack** ⇨ [All supported platforms](#)
Support for USB 2.0 devices, VirtualBox RDP and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#).
Please install the extension pack with the same version as your installed version of VirtualBox!
*If you are using **VirtualBox 4.2.28**, please download the extension pack ⇨ [here](#).*
*If you are using **VirtualBox 4.1.36**, please download the extension pack ⇨ [here](#).*
*If you are using **VirtualBox 4.0.28**, please download the extension pack ⇨ [here](#).*
- **VirtualBox 4.3.26 Software Developer Kit (SDK)** ⇨ [All platforms](#)

See the [changelog](#) for what has changed.
You might want to compare the

- [SHA256](#) checksums or the
- [MD5](#) checksums

to verify the integrity of downloaded packages.

Download Vagrant - Vagrant x

Meow

← → ↻ <https://www.vagrantup.com/downloads.html>   

 **VAGRANT**

VMWARE INTEGRATION

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DOWNLOAD

Latest

Old Versions

system and architecture. You can find SHA256 checksums for packages [here](#), and you can find the version changelog [here](#).



MAC OS X

[Universal \(32 and 64-bit\)](#)



WINDOWS

[Universal \(32 and 64-bit\)](#)



LINUX (DEB)

[32-bit](#) | [64-bit](#)



LINUX (RPM)

[32-bit](#) | [64-bit](#)

Installing Vagrant

- Any OS works!
- Install VirtualBox (4.2.x or 4.3.6 recommended by VVV)
- Install Vagrant

<https://www.virtualbox.org/wiki/Downloads>

<http://www.vagrantup.com/downloads.html>

How does it actually work though?

- VirtualBox runs a VM
- Vagrant manages it

How to use

- Clone a box
- Start up a virtual machine
- Use it!
- Pause / Destroy it anytime

Commands

\$ vagrant init

\$ vagrant up

\$ vagrant halt

\$ vagrant destroy

\$ vagrant provision

\$ vagrant ssh



SCOTCH BOX

A Vagrant LAMP Stack That Just Works

🔄 Just Clone and Run "Vagrant Up"



Varying Vagrant Vagrants

“Varying Vagrant Vagrants is an evolving Vagrant configuration focused on WordPress development.”

Installation

```
$ vagrant plugin install vagrant-hostsupdater
```

```
$ git clone git://github.com/Varying-Vagrant-Vagrants/VVV.git
```

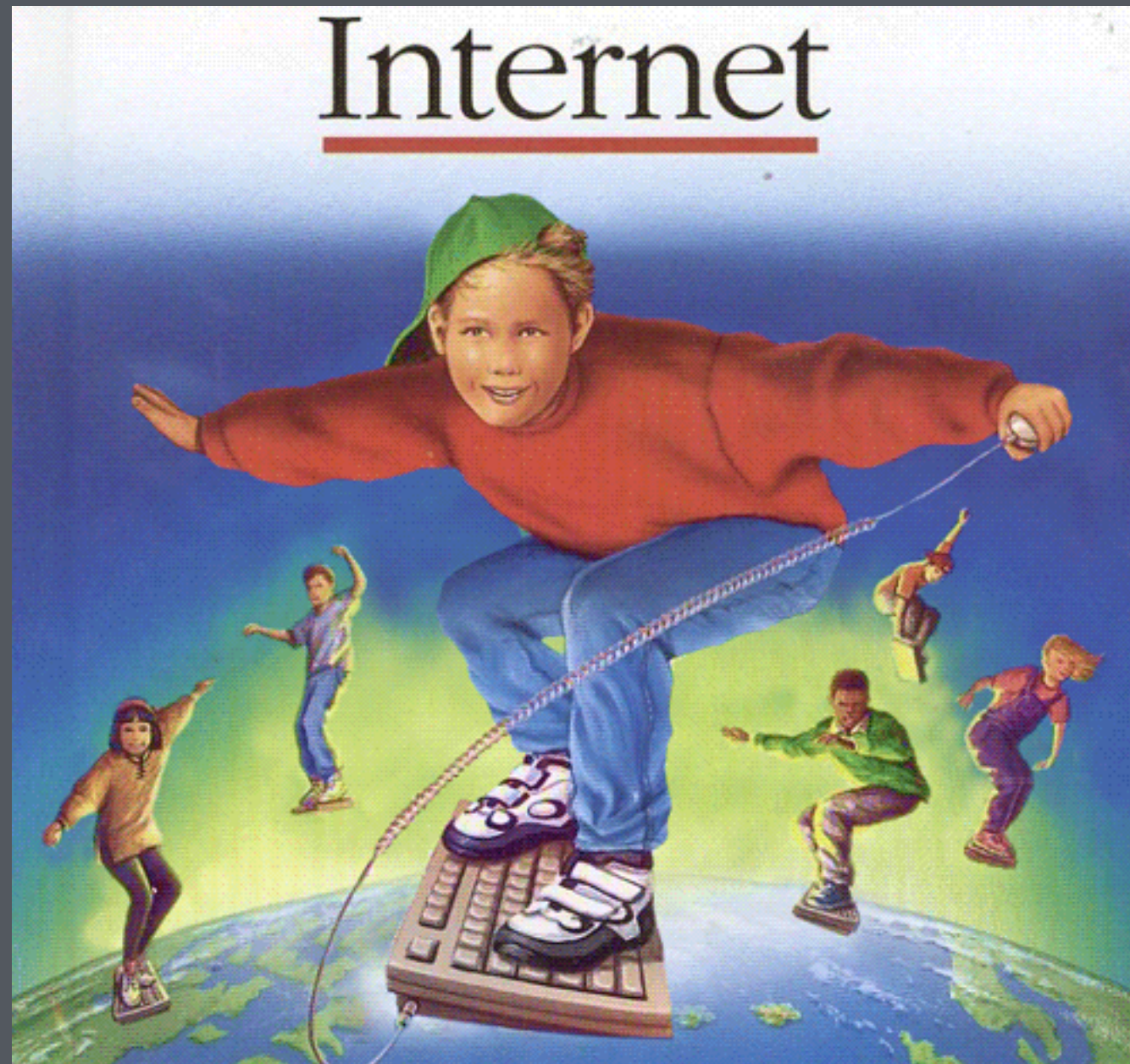
```
$ cd VVV
```

```
$ vagrant up
```

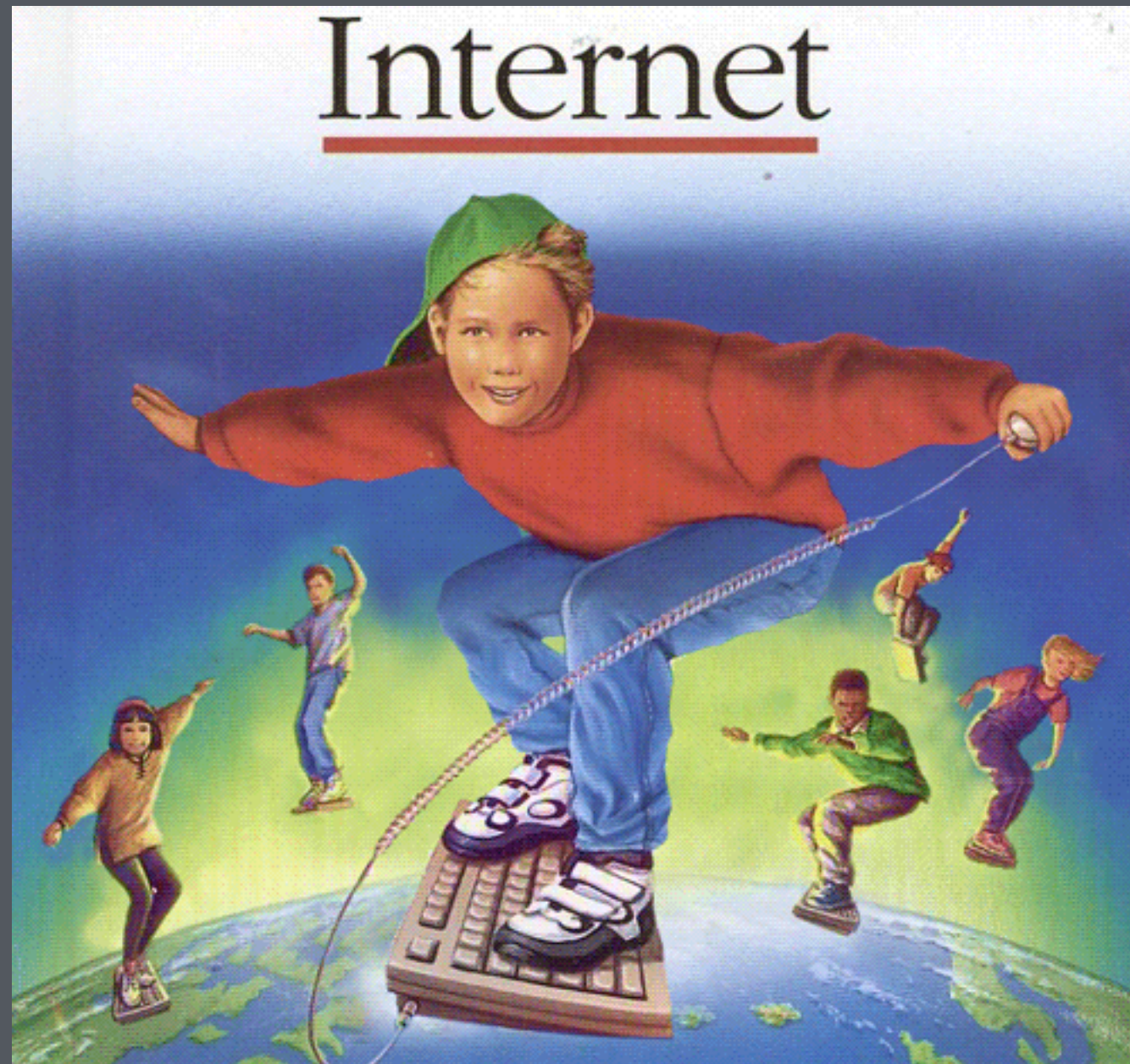
How VVV works

- Uses Ubuntu+Nginx
- Automatic provisioning script for WP updates
- Keeps database on host filesystem
- Easy to modify / configure

Sites VV creates for you



Sites VV creates for you



<http://local.wordpress.dev/> for WordPress stable

<http://local.wordpress-trunk.dev/> for WordPress trunk

<http://src.wordpress-develop.dev/> for trunk
WordPress development files

<http://build.wordpress-develop.dev/> for the version
of those development files built with Grunt

<http://vvv.dev/>

Default dashboard
containing several useful
tools: PHPmyAdmin,
OPCache, links to all sites,
etc

- [Home](#)
- [Repository](#)
- [phpMyAdmin](#)
- [phpMemcachedAdmin](#)
- [Opcache Status](#)
- [Webgrind](#)
- [PHP Info](#)
- <http://bradparbs.dev/>
- <http://cat.dev/>
- <http://default.dev/>
- <http://drugfree.dev/>
- <http://enhance.dev/>
- <http://heavy.dev/>
- <http://microsoft.dev/>
- <http://mn.dev/>
- <http://phpcs.dev/>
- <http://realtor.dev/>
- <http://surface.dev/>
- <http://wordpress-default.dev/>
- <http://wordpress-develop.dev/>
- <http://wordpress-trunk.dev/>
- <http://wp-cli.dev/>

8 Active VW Sites

leogopal.dev	WP Admin	Profiler
local.wordpress.dev	WP Admin	Profiler
local.wordpress-trunk.dev	WP Admin	Profiler
src.wordpress-develop.dev	WP Admin	Profiler
build.wordpress-develop.dev	WP Admin	Profiler
wp-plugin.dev	WP Admin	Profiler
wp-theme.dev	WP Admin	Profiler
woocommerce.dev	WP Admin	Profiler

Useful Vagrant Commands

`vagrant up``vagrant halt``vagrant --provision``vagrant ssh``vagrant suspend``vagrant resume``xdebug_on`[More Vagrant Commands](#)

For `Profiler` to work, `xdebug_on` must be enabled. ([How?](#))

Find This Useful? Share:



Helpful aliases

```
$ alias v=vagrant
```

```
$ alias vp="vagrant provision"
```

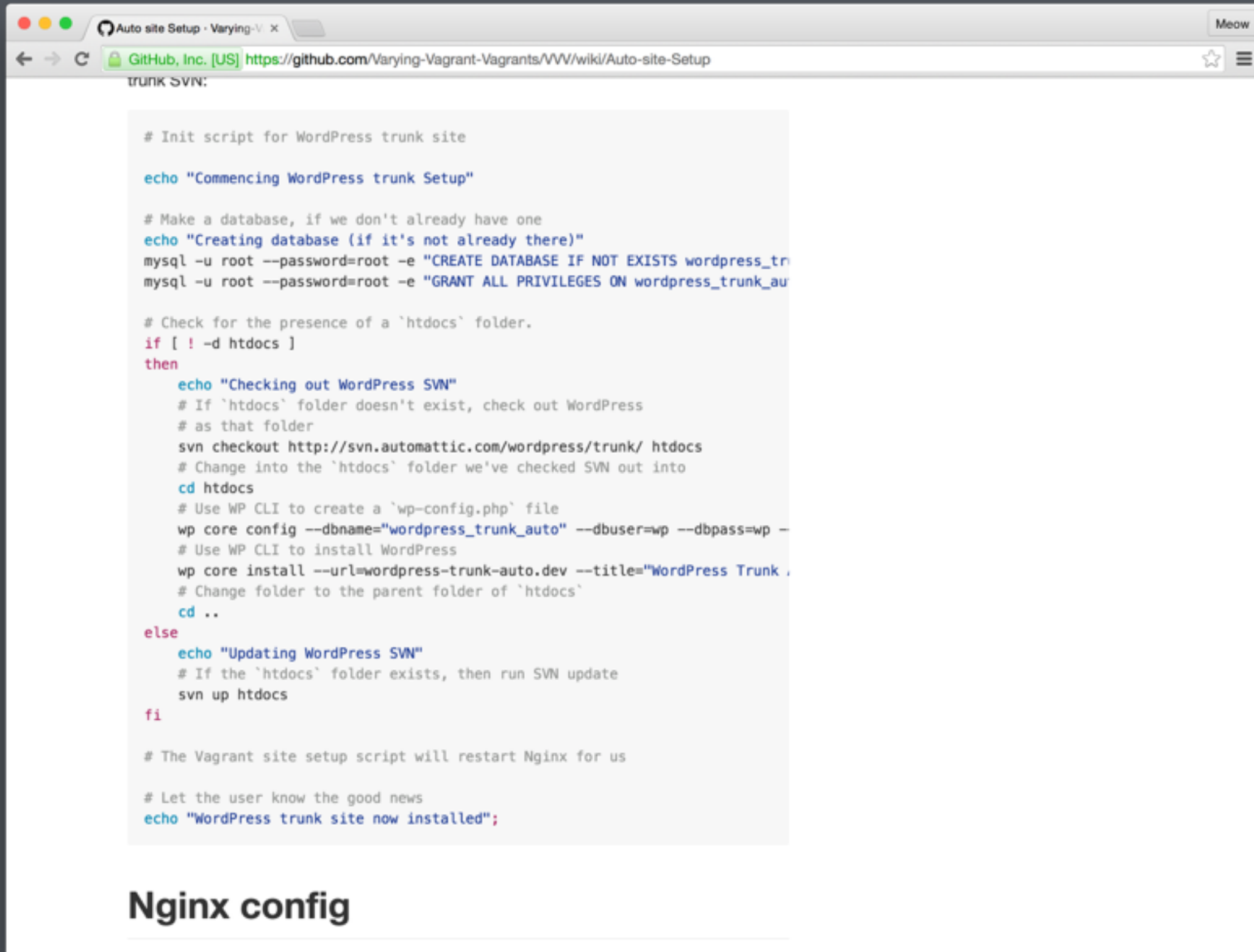
```
$ alias vup="vagrant up --provision && vagrant ssh"
```

Other things

- Prefer Apache?

<https://github.com/ericmann/vvv-apache>

Scripting Site Setup



Auto site Setup · Varying-V x Meow

← → C GitHub, Inc. [US] <https://github.com/Varying-Vagrant-Vagrants/VVV/wiki/Auto-site-Setup> ☆ ≡

trunk SVN:

```
# Init script for WordPress trunk site

echo "Commencing WordPress trunk Setup"

# Make a database, if we don't already have one
echo "Creating database (if it's not already there)"
mysql -u root --password=root -e "CREATE DATABASE IF NOT EXISTS wordpress_trunk"
mysql -u root --password=root -e "GRANT ALL PRIVILEGES ON wordpress_trunk_* TO 'root'@localhost"

# Check for the presence of a `htdocs` folder.
if [ ! -d htdocs ]
then
    echo "Checking out WordPress SVN"
    # If `htdocs` folder doesn't exist, check out WordPress
    # as that folder
    svn checkout http://svn.automattic.com/wordpress/trunk/ htdocs
    # Change into the `htdocs` folder we've checked SVN out into
    cd htdocs
    # Use WP CLI to create a `wp-config.php` file
    wp core config --dbname="wordpress_trunk_auto" --dbuser=wp --dbpass=wp --skip-config
    # Use WP CLI to install WordPress
    wp core install --url=wordpress-trunk-auto.dev --title="WordPress Trunk" --skip-plugins --skip-themes
    # Change folder to the parent folder of `htdocs`
    cd ..
else
    echo "Updating WordPress SVN"
    # If the `htdocs` folder exists, then run SVN update
    svn up htdocs
fi

# The Vagrant site setup script will restart Nginx for us

# Let the user know the good news
echo "WordPress trunk site now installed";
```

Nginx config

<https://github.com/varying-vagrant-vagrants/vvv/wiki/Auto-site-Setup>

bradp/vv · GitHub

GitHub, Inc. [US] <https://github.com/bradp/vv>

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bradp / vv Watch 26 Star 221 Fork 25

Variable VVV - a VVV Site Creation Wizard

216 commits 2 branches 21 releases 7 contributors

branch: master vv / +

Update README to have correct version number

bradp authored on Mar 23 latest commit f69cdebf1e

CHANGELOG.md	1.7.2	a month ago
CONTRIBUTING.md	update contrib doc	4 months ago
LICENSE.md	Clean up and fix licensing terms and information	a month ago
README.md	Update README to have correct version number	a month ago
vv	1.7.2	a month ago

README.md

Variable VVV - The Best VVV Site Wizard



Variable VVV 1.7.2

The easiest way to set up
WordPress sites with VVV!

vvv makes it extremely easy to create a new WordPress site using [Varying Vagrant Vagrants](#).

Code Issues 10 Pull requests 0 Pulse Graphs

HTTPS clone URL <https://github.com>

You can clone with [HTTPS](#) or [Subversion](#).

Clone in Desktop Download ZIP

<https://github.com/bradp/vv>

Installation

- `$ brew install bradp/vv/vv`

How does it work?

Gives you a super helpful “\$ vv” command

How does it work?

[illegible]

Commands

- \$ vv create
- \$ vv delete
- \$ vv list

Advanced Commands

- `$ vv --deployment-create`
- `$ vv --blueprint-init`
- `$ vv -v up`

Developer Workflow

(live demo ?)

Speeding up Vagrant Provision

- VVV looks for custom-provision.sh in provision folder.
- You can remove the WP updates and apt-get updates for more speed.

wpengine/hgv - GitHub

GitHub, Inc. [US] https://github.com/wpengine/hgv

Meow

GitHub

This repository Search

ExploreFeaturesEnterpriseBlog

Sign upSign in

wpengine / hgv

Watch54Star159Fork22

WP Engine's Mercury vagrant environment <http://wpengine.com/mercury>

232 commits1 branch5 releases14 contributors

branch: master hgv / +

Merge pull request #135 from markkelnar/change-log-v1.2

markkelnar authored 21 hours ago latest commit d3a039e3a6

bin	Stage changes from upstream master to reduce merge conflicts.	3 days ago
provisioning	We were checking for the wrong condition to short-circuit WP installs.	a day ago
.gitattributes	Set the default CRLF setting.	26 days ago
.gitignore	Initial commit	4 months ago
CHANGELOG.md	Update change log for 1.2	21 hours ago
CONTRIBUTING.md	Update change log for 1.2	21 hours ago
LICENSE	Add the GPLv2	4 months ago
README.md	Update change log for 1.2	21 hours ago
Vagrantfile	Forward the Xdebug port for remote debugging.	26 days ago

README.md

Mercury Vagrant (HGV)

This project is meant to allow people in the WordPress community to run a single Vagrant for developing, debugging, and deploying HHVM based code. We have also added standard PHP to test against so that this project is useful for more standard development as well.

Code

Issues31

Pull requests3

Wiki

Pulse

Graphs

HTTPS clone URL

https://github.com

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Automattic/vip-quickstart

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Automattic / vip-quickstart

Watch144Star216Fork82

Quickstart your WordPress.com VIP development!https://vip.wordpress.com/documentation/quickstart/

549 commits6 branches3 releases21 contributors

branch: master vip-quickstart / +

Merge pull request #418 from Automattic/revert-413-sboisvert-add-subm... latest commit a13fc5a809

binMerge pull request #337 from ChrisHardie/master2 months ago

puppetRevert "Make sure we include submodules"22 days ago

wwwDisable batcache_post on clean_post_cache.24 days ago

.gitignoreIgnore wp-cli.local.yml2 months ago

.gitmodulesFix HTTPS clone urls for git submodules: apt & uwf.2 months ago

.jshinttrcAdd .jshinttrc as used in Core2 months ago

.travis.ymlTesting: Lint files with Travis-CIa year ago

CONTRIBUTING.mdAdd HACKING.md file2 years ago

GemfilePin puppet-lint to 1.0.16 months ago

HACKING.mdAdd Packer template4 months ago

LICENSEAdd a copy of the GPL10 months ago

README.mdAdd Quickstart logo to README7 months ago

RakefilePuppet-lint: Disable documentation check6 months ago

VagrantfileUpdate submodules on provision4 months ago

README.md

Code

Issues55

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Pulse

Graphs

HTTPS clone URLhttps://github.com

You can clone with HTTPS or Subversion.

Clone in Desktop

Download ZIP

More Tips and Tricks

- Anything you do that's repetitive, script it!
- Learn to love 'vagrant provision'

