

Vagrant



/dev/var/2, Toulon, 21/11/2013

Oxford English Dictionary

Vagrant

- “a person without a settled home or regular work who wanders from place to place and lives by begging”
- *archaic* a wanderer



A vagrant

**Vagrant logiciel libre et open-source pour la
création et la configuration des
environnements de développement virtuel**

Création, configuration, gestion

L'ADN de votre serveur



Un grain, qui devient une arbre



Un atome, qui devient l'Univers (BOOOM)

Vagrantfile

```
Vagrant.configure("2") do |config|
  config.vm.box = "quantal"
  config.vm.box_url = "https://github.com/downloads/roderik/VagrantQuantal64Box/quantal64.box"
  config.ssh.forward_agent = true
  config.vm.network :private_network, ip: "192.168.23.4"
  config.vm.provision :chef_solo do |chef|
    chef.cookbooks_path = [ "cookbooks", "site-cookbooks" ]
    chef.log_level = :debug
    chef.add_recipe "typo3-neos"
  end
  config.vm.provider "virtualbox" do |v|
    v.name = "TYPO3 Neos"
    v.customize ["modifyvm", :id, "--memory", "2048"]
  end
end
```

Gestionnaires de configuration

salt

puppet

chef

Quelques exemples du chef

Installation des paquets

```
include_recipe 'apache2'
['rewrite', 'deflate', 'php5', 'headers', 'expires', 'status', 'negotiation', 'setenvif'].each do |mod|
  include_recipe "apache2::mod_#{mod}"
end
```

```
include_recipe "php::package"
['apc', 'curl', 'gd', 'mysql', 'sqlite3'].each do |mod|
  include_recipe "php::module_#{mod}"
end
```

```
include_recipe 'mysql::server'
include_recipe 'git'
```

Configuration de serveur

```
cookbook_file "/etc/apache2/sites-available/typo3.neos" do
  source "typo3.neos"
  mode 0755
end

apache_site "000-default" do
  enable false
end

apache_site "typo3.neos" do
  enable true
end

execute "reload apache" do
  command "/etc/init.d/apache2 reload"
end
```

Installation de CMS

```
execute "clone typo3.neos base" do
    command "git clone git://git.typo3.org/Neos/Distributions/Base.git /var/www/typo3.neos"
    creates "/var/www/typo3.neos/"
end
execute "get composer" do
    command "curl -s https://getcomposer.org/installer | php"
    cwd "/var/www/typo3.neos"
end
execute "install TYPO3 Neos" do
    command "php composer.phar install --dev"
    cwd "/var/www/typo3.neos"
end
execute "fixing permissions" do
    command "Packages/Framework/TYPO3.Flow/Scripts/setfilepermissions.sh vagrant vagrant www-data"
    cwd "/var/www/typo3.neos/"
end
```

Runtime

Commandes de base

init

up

ssh

reload

suspend

halt

destroy

Essayez du nouveau

TYPO3 Neos	https://github.com/fedir/vagrant-typo3neos
Django	https://github.com/torchbox/vagrant-django-template
RoR	https://github.com/rails/rails-dev-box
Symfony	https://github.com/seiffert/symfony-vagrant/tree/2.2
Erlang	https://github.com/rpt/vagrant-erlang

Beaucoup de boîtes déjà prêtes

Up and running

```
gem install vagrant
```

```
vagrant clone https://github.com/user/vagrant-project
```

```
vagrant up
```

Ressources

- <https://github.com/fedir/vagrant-typo3neos>
- <http://www.vagrantbox.es/>
- <http://www.slideshare.net/khokhlova1991/vagrant-19053161>
- <http://habrahabr.ru/post/140714/>
- <http://ajohnstone.com/achives/vagrant-automating-php-installation-with-bashslack-for-continuous-deployment/>
- <https://github.com/WinRb/vagrant-windows>
- <http://docs.vagrantup.com/v2/>

Ok, let's box&cook

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github.com/fedir