

SALT Vagrant and Virtualbox

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Local



Dev



Prod



Local



Dev



Prod





```

1 # php/manifests/init.pp - various ways of installing php
2 # Copyright (C) 2007 David Schmitt <david@schmitt.edv-bus.at>
3 # See LICENSE for the full license granted to you.
4
5 class php {
6     case $php_version {
7         '4': { include "php::four" }
8         '5': { include "php::five" }
9     }
10 }
11
12 define php::pear($version = '', $ensure = "installed") {
13     case $version {
14         '4': { include "php::four" }
15         '5': { include "php::five" }
16         # let the user choose which php to install
17         '': {}
18     }
19     include "php::pear::common"
20
21     package { "php${version}-${name}": ensure => $ensure }
22 }
23
24 define php::pear-manual($ensure = "installed") {
25     case $ensure {
26         'installed', 'present': {
27             exec { "pear install `echo $name | sed 's#/#_#g'`":
28                 path => "/bin:/usr/bin",

```





file | 44 lines (37 sloc) | 0.846 kb

```
1  {% if grains['os'] == 'Ubuntu' %}
2
3  php5-pkgs:
4    pkg.installed:
5      - names:
6        - php5
7        - php5-mysql
8        - php5-curl
9        - php5-cli
10       - php5-cgi
11       - php5-dev
12       - php-pear
13
14  apache2:
15    pkg:
16      - installed
17
18  pear-drush:
19    cmd.run:
20      - name: pear channel-discover pear.drush.org & pear install drush/drush
21
22  mariadb-server-5.5:
23    cmd.run:
24      - name: sudo apt-key adv --recv-keys --keyserver keyserver.ubuntu.com 0xcbc082
25      - unless: apt-key list | grep -q 0xcbc082a1bb943db
26      - require:
```



The Team


```
bhosmer@dev:~$ sudo salt '*' cmd.run "uptime"
g 13:53:32 up 184 days, 1:33, 0 users, load average: 0.01, 0.0
t 13:55:40 up 17 days, 15:50, 0 users, load average: 0.00, 0.01, 0.05
c 13:55:51 up 245 days, 19:07, 0 users, load average: 0.00, 0.00,
g 13:47:55 up 99 days, 20:10, 0 users, load average: 0.00, 0.01, 0.
t 13:56:13 up 17 days, 15:52, 0 users, load average: 0.00, 0.01, 0.05
h 13:58:29 up 129 days, 19:41, 0 users, load average: 0.00, 0.01
g 13:56:00 up 31 days, 22:56, 0 users, load average: 0.00, 0.01, 0.
g 13:56:05 up 105 days, 20:21, 0 users, load average: 0.00,
c 13:40:10 up 228 days, 22:11, 0 users, load average: 0.00, 0.01, 0.0
c 13:58:58 up 112 days, 23:43, 0 users, load average: 0.00, 0.01, 0.
s 13:51:26 up 106 days, 22:28, 0 users, load average: 0.00, 0.02, 0
c 13:56:31 up 53 days, 20:28, 0 users, load average: 0.00, 0.01, 0.
g 09:55:44 up 43 days, 15:43, 1 user, load average: 0.00, 0.01, 0.0
t 13:53:37 up 43 days, 15:39, 0 users, load average: 0.04, 0.03, 0.05
t 13:53:56 up 43 days, 15:16, 0 users, load average: 0.00, 0.01, 0.05
t 13:53:56 up 43 days, 15:16, 0 users, load average: 0.00, 0.01, 0.05
ti 13:55:57 up 141 days, 2:36, 0 users, load average: 0.17, 0.08,
```

Remote Execution

What you need.



Ruby
ruby-lang.org



Virtualbox.org

Virtualized development made easy.

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

Download Now



vagrantup.com



salty-vagrant

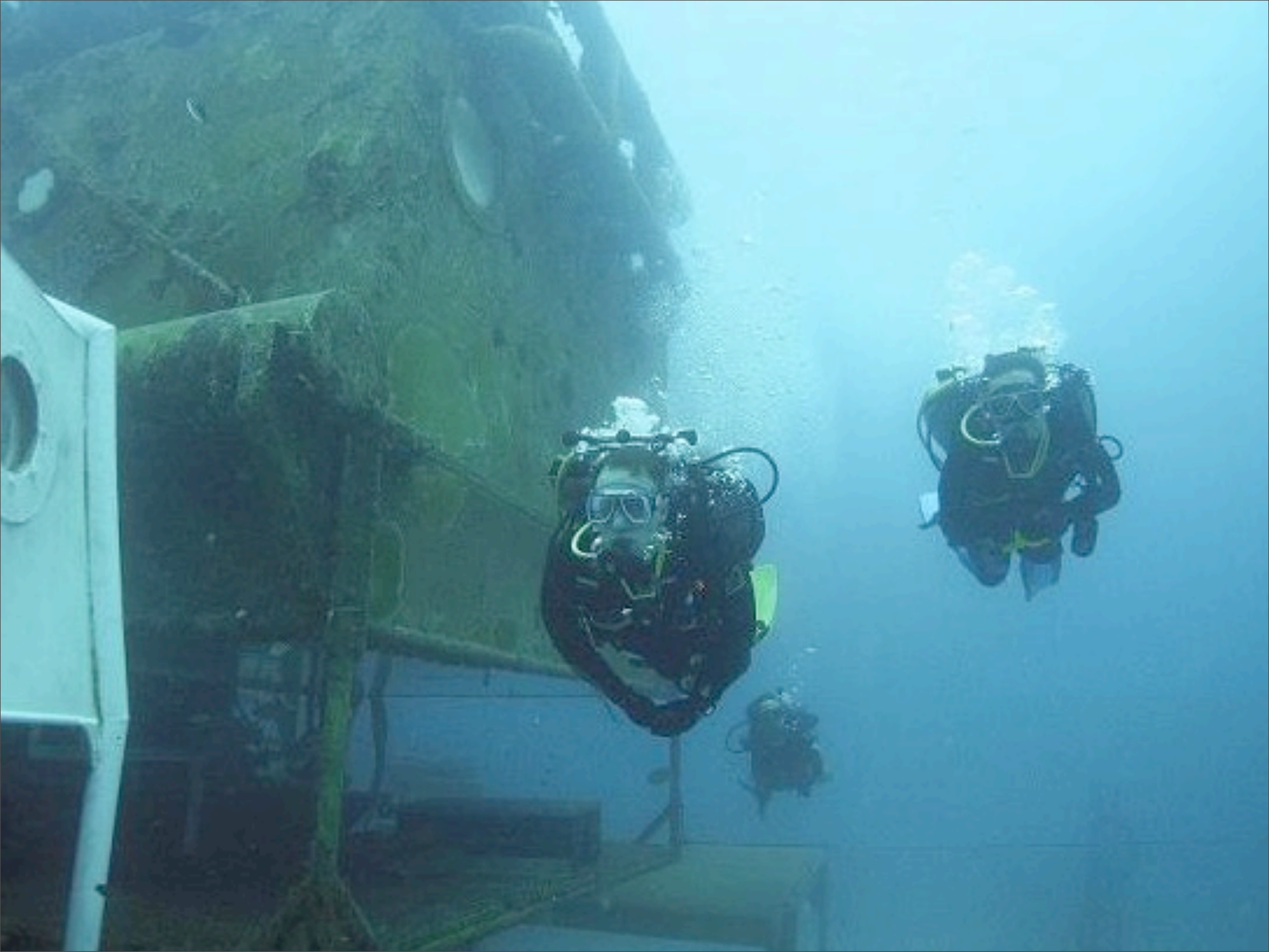
vagrant gem install vagrant-salt

<http://bit.ly/REYBZz>

vagrantbox.es

Debian squeeze 32	http://mathie-vagrant-boxes.s3.amazonaws.com/deb
Debian squeeze 64	http://dl.dropbox.com/u/937870/VMs/squeeze64.box
Ubuntu lucid 32	http://files.vagrantup.com/lucid32.box
Ubuntu lucid 64	http://files.vagrantup.com/lucid64.box
Slackware 13.37	http://dl.dropbox.com/u/10544201/slackware-13.37.b
Ubuntu precise 32	http://files.vagrantup.com/precise32.box
Ubuntu precise 64	http://files.vagrantup.com/precise64.box
openSuse 12.1 x64	https://github.com/jtperry/OpenSuseVagrantBox
CentOS 5.8 x86_64	http://putitinthepizza.com/boxes/centos58-x86_64.bo

A Base Box



vagrant box add precise64

Add your box.

<http://bit.ly/TggfrW>

Your `Vagrantfile` should look roughly like this:

```
Vagrant::Config.run do |config|
  config.vm.box = "precise64"
  ## Use all the defaults:
  config.vm.provision :salt do |salt|
    salt.run_highstate = true

    ## Optional Settings:
    # salt.minion_config = "salt/minion.conf"

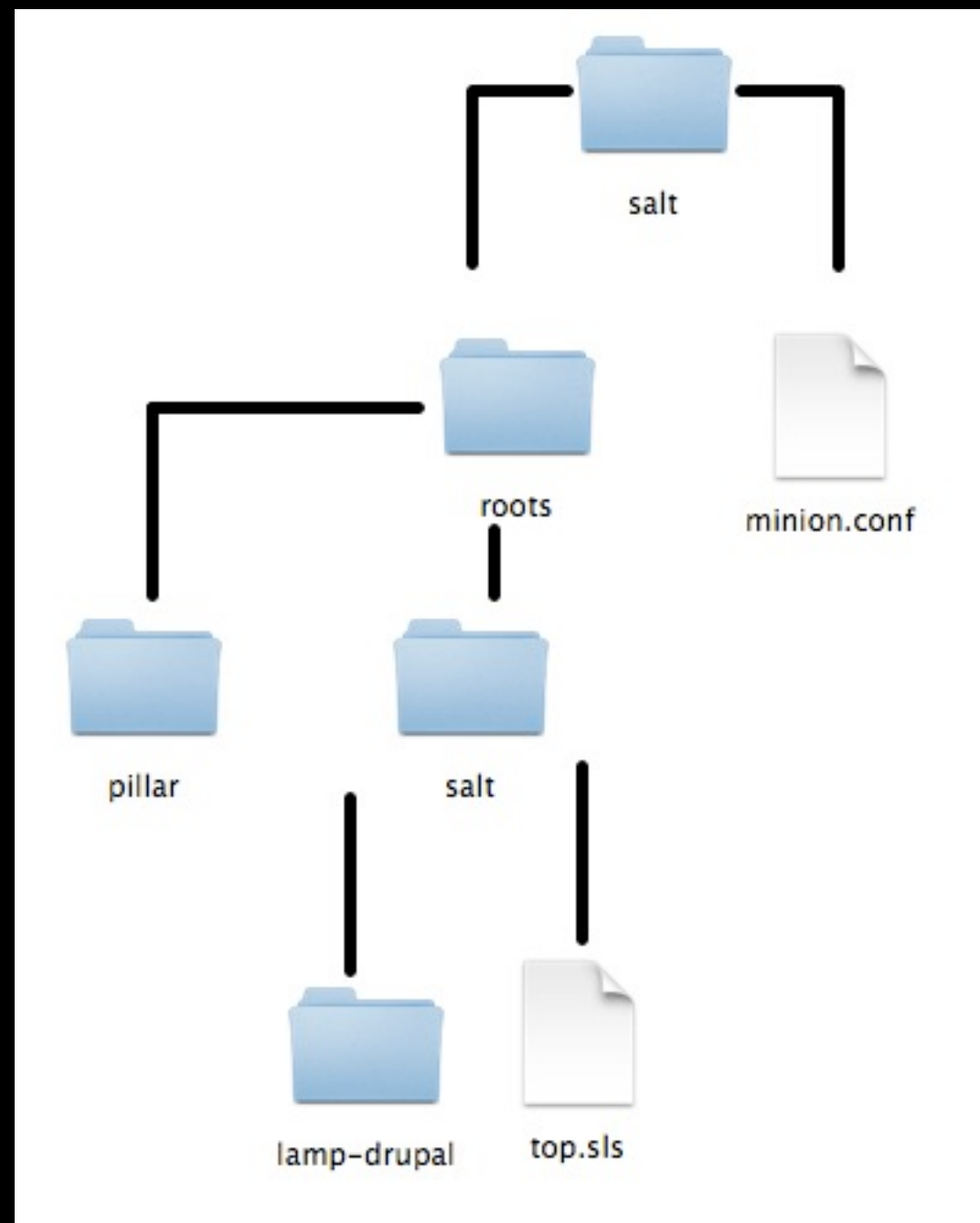
    ## Only Use these with a masterless setup to
    ## load your state tree:
    # salt.salt_file_root_path = "salt/roots/salt"
    # salt.salt_pillar_root_path = "salt/roots/pillar"

    ## If you have a remote master setup, you can add
    ## your preseeded minion key
    # salt.master = true
    # salt.minion_key = "salt/key/testing.pem"
    # salt.minion_pub = "salt/key/testing.pub"
  end
end
```

Get the Vagrantfile

Add this for web- browser access:

```
config.vm.network :hostonly, "192.168.33.20"
```



Create Your Directories

<http://bit.ly/RF1x8z>

minion.conf:

file_client: local

The Top File

top.sls

base:

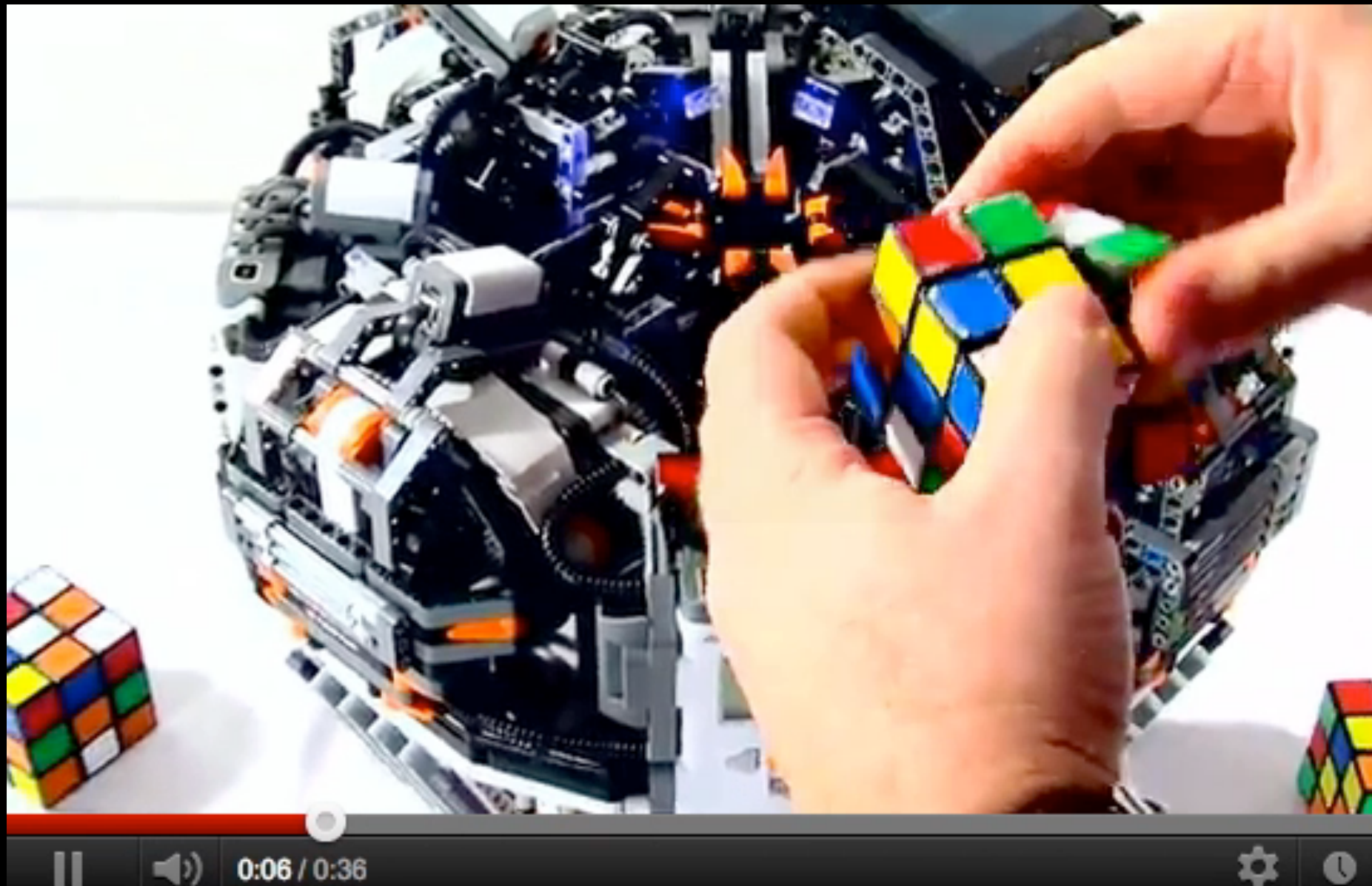
'*':

- lamp-drupal

Lamp-Drupal Salt State

<http://bit.ly/RFIx8z>

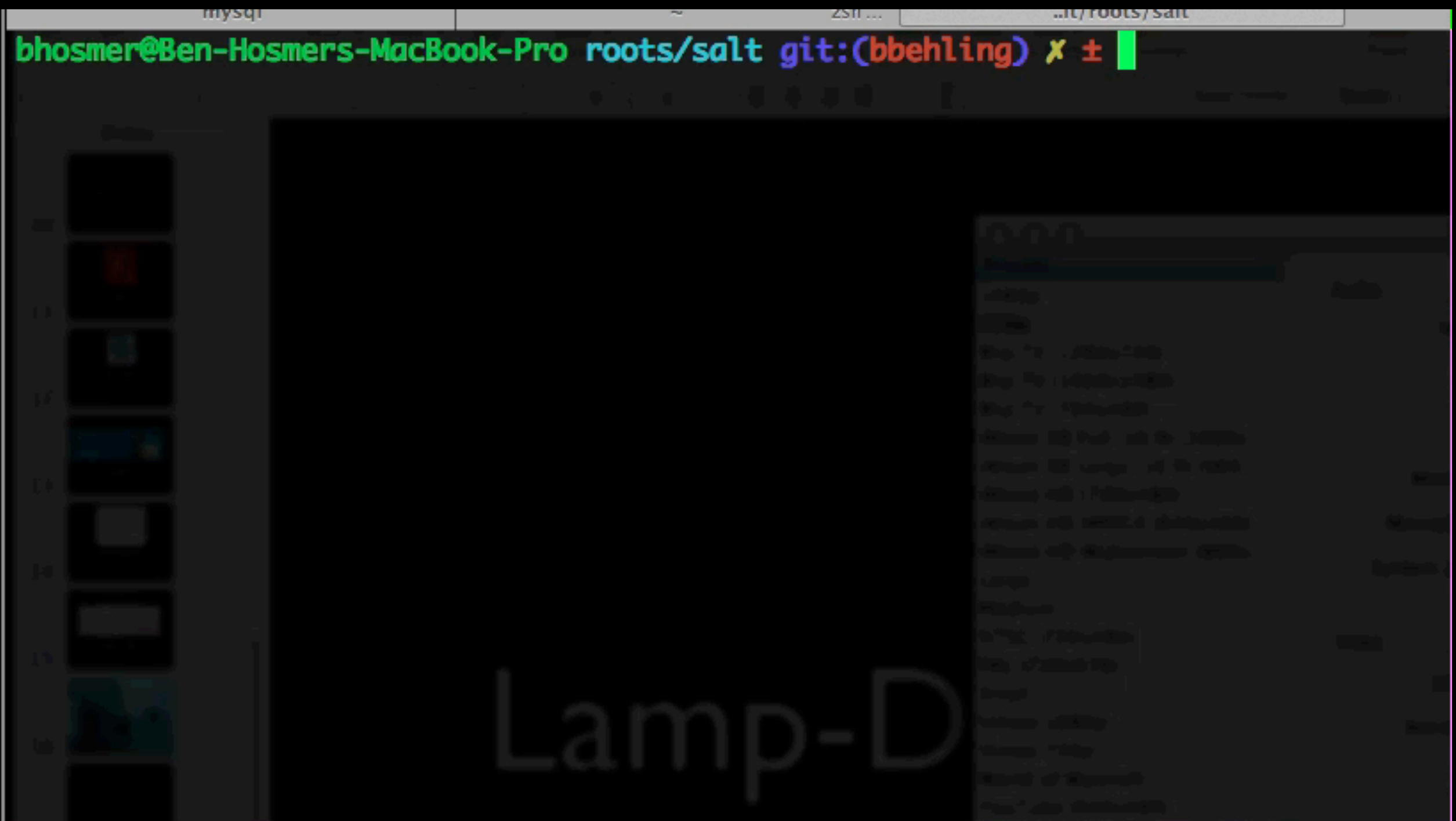
Vagrant up!



Vagrant up!







Virtualbox Guest
Additions must match.

vagrant halt

salt-call

vagrant destroy
(Reset & do-over)