

Vagrant Setup

Vagrant installs at c:\hashicorp\vagrant

Make a directory for each separate vm only 1 vagrant file can exist per directory'

i.e. c:\has hic orp \va gra nt \ansible

c:\has hic orp \va gra nt \deb ian

c:\has hic orp \va gra nt \netbo

Advanced Vagrant Box Mgmt

vagrant provision | forces end point to re-provision

vagrant reload --provision | restart end point forcing provisioning

vagrant provision --debug | increases verbosity during debug

vagrant up --provision | runs vagrant up provisioning & output logs placed in a file

enable VBGuest auto update

Initial Config [/hashicorp/vagrant/precise64]

vagrant init [Initializes new vagrantfile] i.e. **vagrant init hashicorp/precise64**

vagrant up [starts the box]

Notes / Alerts

If a PC goes to sleep, vagrant boxes will be forceably shutdown but no data should be lost

Website Resources

<https://learn.hashicorp.com/tutorials/vagrant/getting-started-boxes>

<https://app.vagrantup.com/boxes/search>

<https://www.vagrantbox.es/>

General Vagrant Maintenance

see adjacent screen shot

vagrant box list | lists all available vagrant boxes on this endpoint

vagrant status | displays status for box in current directory

vagrant box outdated | checks if box is up to date
must run from a box path

vagrant global-status | displays status for all local boxes

vagrant global-status --prune | status of all boxes; dropping invalid entries

vagrant box add <name> or <url> | downloads box image to your end point

vagrant box remove <name> | deletes box from end point

vagrant package | packages a running environment in a reusable box

Windows Base Box [vagrant box add]

<http://aka.ms/msedge.win10.vagrant>

<http://aka.ms/ie8.xp.vagrant>

<http://aka.ms/ie10.win7.vagrant>

Vagrant Logs

vagrant up --provision | tee provision.log | forces provisioning and writes a log

vagrant_log=info vagrant up | use env var VAGRANT_LOG to set verbosity



By **Mary F. Smith (boogie)**
cheatography.com/boogie/

Published 21st July, 2019.
Last updated 12th January, 2023.
Page 1 of 2.

Sponsored by **CrosswordCheats.com**
Learn to solve cryptic crosswords!
<http://crosswordcheats.com>

Vagrant Box List

```
msmith097@C05WL-C051684 /cygdrive/c/hashicorp/vagrant/ansible
$ vagrant box list
ansible/tower (virtualbox, 3.8.6)
bento/debian-11.5 (parallels, 202212.12.0)
debian/buster64 (virtualbox, 10.20220912.1)
generic/debian10 (virtualbox, 4.1.18)
```

Vagrant Status

```
msmith097@C05WL-C051684 /cygdrive/c/hashicorp/vagrant/ansible
$ vagrant status
Current machine states:
default poweroff (virtualbox)
The VM is powered off. To restart the VM, simply run `vagrant up`
```

Vagrant Global-Status

```
msmith097@C05WL-C051684 ~
$ vagrant global-status
id name provider state directory
-----
1e5891a default virtualbox running C:/hashicorp/vagrant/ubuntu-ansible
70a0eff webservr virtualbox running C:/hashicorp/vagrant/Ansible
3071a0a default virtualbox poweroff C:/hashicorp/vagrant/debian
d528a0a default virtualbox poweroff C:/hashicorp/vagrant/debian64
d9c2572 default virtualbox poweroff C:/hashicorp/vagrant/Ansible
```

Vagrant Box Outdated

```
msmith097@C05WL-C051684 /cygdrive/c/hashicorp/vagrant/ansible
$ vagrant box outdated
Checking if box 'ansible/tower' version '3.8.6' is up to date...
```

Vagrant Box Add [name]

```
msmith097@C05WL-C051684 ~
$ vagrant box add bento/debian-11.5
--> box: Loading metadata for box 'bento/debian-11.5'
box: URL: https://vagrantcloud.com/bento/debian-11.5
--> box: Adding box 'bento/debian-11.5' (v202212.12.0) for provider: parallels
box: Downloading: https://vagrantcloud.com/bento/boxes/debian-11.5/versions/202212.12.0/providers/parallels.box
box:
--> box: Successfully added box 'bento/debian-11.5' (v202212.12.0) for 'parallels'
```

Vagrant Use Commands [Run in Project Path]

vagrant ssh

vagrant ssh config

vagrant suspend

vagrant resume

vagrant halt

vagrant reload | restarts box w/ new configuration

vagrant destroy | destroys current endpoint not the base box

vagrant --version

Vagrant Plugins

vagrant plugin | manages all plugins

vagrant plugin install | installs virtual box tools

vagrant-vbguest

vagrant plugin install vagrant-hostmanager

- manages /etc/hosts within a multi machine environment

vagrant plugin install vagrant-env

| vagrant plugin install UPdates /etc/hosts file each time

vagrant-hostsupdater vagrant stops or starts

Vagrant Share/Remote Access

vagrant share | share your environment with anyone

vagrant connect | connect to a shared end point

vagrant hosts | all hostnames managed by plugin

vagrant hostma- | manages /etc/hosts within a multi machine
nager environment

vagrant ssh- | provides connect config for machine
config

vagrant rdp | connects to other machine via rdp

