

### 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**vagrant box outdated** | checks if box is up to date  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



### Vagrant Box List

```

m1th09@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

```

m1th09@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

```

m1th09@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
d522b0b default  virtualbox poweroff C:/hashicorp/vagrant/ainic64
d9c2372 default  virtualbox poweroff C:/hashicorp/vagrant/Ansible

```

### Vagrant Box Outdated

```

m1th09@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]

```

m1th09@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

