

### Connecting to Vagrant Box

**vagrant ssh** | connects to box in your path

**vagrant ssh config** | displays ssh config

run from path, prior to login

**vagrant rdp** | *I have not tested this yet*

\*\*if more than one machine in configured within the Vagrantfile, use machine name for SSH i.e. vagrant ssh web

### Vagrant Box Maintenance

see adjacent screen shots

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

**vagrant box add <name> or <url>** | downloads box image to your endpoint

**vagrant box remove <name>** | deletes box from endpoint

**vagrant box prune** | status of all boxes; dropping invalid entries

**vagrant status** | displays status for box in current directory

**vagrant box outdated** | checks if box is up to date  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

**vagrant global-status** | displays status for all local boxes

**vagrant package** | packages a running environment in a reusable box

### Vagrant Box Management

**vagrant --version**

**vagrant suspend**

**vagrant resume** | resumes the vagrant box

**vagrant halt** | stops the vagrant box

**vagrant reload** | restarts box w/ new configuration

**vagrant destroy** | destroys current endpoint not the base box

**vagrant validate** run from box path |

**vagrant vbguest** run from box path | installs VirtualBox Guest Editions

### Vagrant Plugins

<https://vagrant-lists.github.io/>

**vagrant plugin** | manages all plugins

[expunge, install, license, list, repair, uninstall, update]

**vagrant plugin install [plugin name]**

vbguest, vbinfo, hostmanager, vagrant-winnfsd, vagrant-netinfo, vagrant-env, vagrant-git

### Additional vagrant plugins to consider/research

vagrant-node, vagrant-web, vagrant-persistent-storage, vagrant-hostsupdater, vagrant-dns

### Customize the Vagrantfile

### Notes / Alerts

By default ./ on your computer is shared as /vagrant on the vm

vagrant cannot run simultaneously with

ctrl d | exits the vagrant box

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



### Vagrant Box List

```
msmith09@C059L-C051884 /cydrive/c/hashicorp/vagrant/ansib
$ 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 Box Status

```
msmith09@C059L-C051884 /cydrive/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

```
msmith09@C059L-C051884 ~
$ vagrant global-status
id      name      provider      state      directory
-----
145891a default  virtualbox    running   C:/hashicorp/vagrant/debian-ansible
70ad0ff webservr  virtualbox    running   C:/hashicorp/vagrant/ansible
0071a0a default  virtualbox    poweroff  C:/hashicorp/vagrant/debian
6f52000 default  virtualbox    poweroff  C:/hashicorp/vagrant/precise64
d9c2572 default  virtualbox    poweroff  C:/hashicorp/vagrant/ansible
```

### Vagrant Box Outdated [run from box path]

```
msmith09@C059L-C051884 /cydrive/c/hashicorp/vagrant/ansible
$ vagrant box outdated
Checking if box 'ansible/tower' version '3.8.6' is up to date...
```

### Vagrant Box Add [i.e.] hashicorp/precise64

```
msmith09@C059L-C051884 ~
$ vagrant box add hashicorp/precise64
Adding box 'hashicorp/precise64' from provider 'virtualbox'
Progress: 100%
Box 'hashicorp/precise64' added to vagrant box manager.
```

### Vagrant Quick Set-Up

```
c:\>cd hashicorp\vagrant
c:\>mkdir precise64
i.e. c:\>cd hashicorp\vagrant\precise64
c:\hashicorp\vagrant\precise64 c:\>hashicorp\vagrant\precise64
c:\hashicorp\vagrant\debian10 vagrant init hashicorp/precise64
c:\hashicorp\vagrant\ansible initializes a new vagrantfile
vagrant up [starts the box]
```

### Vagrant Box Sites [working as of 01/2023]

#### Windows Boxes

<https://app.vagrantup.com/kganguly/boxes/MSEdge-Win10>

<https://gist.github.com/sanfrancisco/a7183470efa0e3412222670d0b-fb3da5>

<https://gist.github.com/hiasinho/3b76ff6a7b102d589caf>

<https://app.vagrantup.com/lonniev/boxes/vagrant-win7-ie10>

#### Linux Boxes

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

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

<https://app.vagrantup.com/boxes/search?provider=&q=Windows+XP&utf8=%E2%9C%93>

