

# CheatSheet: vagrant

## CLOUD

- PDF Link: [cheatsheet-vagrant-A4.pdf](#), Category: Cloud
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-vagrant-A4>
- Related posts: Docker CheatSheet, Kubectl CheatSheet, #denny-cheatsheets

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## 1.1 vagrant Basic

| Name                                   | Command  |
|--|--|
| Vagrant supported providers            | VirtualBox, VMware, Docker, Hyper-V  |
| Check version                          | <code>vagrant version</code>   |
| Start vm from vagrantfile              | <code>vagrant up</code> . Sample vagrantfile                                     |
| Start vm with customization            | <code>vagrant up --debug</code> , <code>vagrant up --provider virtualbox</code>  |
| Destroy vagrant vm                     | <code>vagrant destroy</code>   |
| SSH to vagrant vm                      | <code>vagrant ssh</code>   |
| lists all boxes installed into Vagrant | <code>vagrant box list</code>  |
| Vagrant data folder                    | <code>~/.vagrant.d</code>  |
| Reference                              | Link: <a href="#">vagrant cli</a> , Link: <a href="#">Discover Vagrant Boxes</a> |

## 1.2 vagrant start vms

| Name                | Command  |
|---------------------|--|
| ubuntu 14.04 64bits | <code>vagrant init ubuntu/trusty64</code>                                    |
| ubuntu 12.04 32bits | <code>vagrant init hashicorp/precise32</code>                                |
| ubuntu 12.04 64bits | <code>vagrant init hashicorp/precise64</code>                                |
| ubuntu 16.04 64bits | <code>vagrant init hashicorp-vagrant/ubuntu-16.04</code>                     |
| CentOS 6.5          | <code>vagrant init chef/centos-6.5</code>                                    |
| Start vm from image | <code>vagrant init precise64 http://files.vagrantup.com/precise64.box</code> |

## 1.3 vagrant advanced

| Name                             | Command  |
|----------------------------------|--|
| Show Vagrant environments        | <code>vagrant global-status</code>   |
| stops the vagrant machine        | <code>vagrant halt</code>  |
| package virtualbox vm to boxfile | <code>vagrant package --base my-virtual-machine</code>                             |
| Get detail ssh configuration     | <code>vagrant ssh-config</code>  |
| Start vm with                    | <code>vagrant up --debug</code>  |
| Copy local files to vagrant vm   | <code>copy-to-vagrant.sh</code>  |
| Update vagrant boxes             | <code>vagrant box update</code> , <code>vagrant box update --box \$box_name</code> |
| Destroy all old boxes            | <code>vagrant box destroy</code>   |
| Vagrant add a secondary drive    |  |
| Vagrant resize disk              |  |

## 1.4 Online Help Usage

```
> vagrant --help
```

WARNING: This command has been deprecated in favor of 'vagrant cloud auth login'

Usage: vagrant [options] <command> [<args>]

```
-v, --version      Print the version and exit.
-h, --help         Print this help.
```

Common commands:

```
box                manages boxes: installation, removal, etc.
cloud              manages everything related to Vagrant Cloud
destroy            stops and deletes all traces of the vagrant machine
global-status      outputs status Vagrant environments for this user
```

|              |   |
|--------------|---|
| halt         | stops the vagrant machine                                       |
| help         | shows the help for a subcommand                                 |
| init         | initializes a new Vagrant environment by creating a Vagrantfile |
| login        |   |
| package      | packages a running vagrant environment into a box               |
| plugin       | manages plugins: install, uninstall, update, etc.               |
| port         | displays information about guest port mappings                  |
| powershell   | connects to machine via powershell remoting                     |
| provision    | provisions the vagrant machine                                  |
| push         | deploys code in this environment to a configured destination    |
| rdp          | connects to machine via RDP                                     |
| reload       | restarts vagrant machine, loads new Vagrantfile configuration   |
| resume       | resume a suspended vagrant machine                              |
| snapshot     | manages snapshots: saving, restoring, etc.                      |
| ssh          | connects to machine via SSH                                     |
| ssh-config   | outputs OpenSSH valid configuration to connect to the machine   |
| status       | outputs status of the vagrant machine                           |
| suspend      | suspends the machine  |
| up           | starts and provisions the vagrant environment                   |
| upload       | upload to machine via communicator                              |
| validate     | validates the Vagrantfile                                       |
| version      | prints current and latest Vagrant version                       |
| winrm        | executes commands on a machine via WinRM                        |
| winrm-config | outputs WinRM configuration to connect to the machine           |

For help on any individual command run 'vagrant COMMAND -h'

Additional subcommands are available, but are either more advanced or not commonly used. To see all subcommands, run the command 'vagrant list-commands'.

## 1.5 More Resources

<https://www.vagrantup.com/docs/cli/>

<https://github.com/vagrant/vagrant>

<https://www.vagrantup.com/docs/provisioning/shell.html> License: Code is licensed under MIT License.