

# CheatSheet: vagrant

## CLOUD

```
#+BEGINEXPORT HTML <a href="https://github.com/dennyzhang/cheatsheet.dennyzhang.com/tree/master/cheatsheet-vagrant-A4"></a> <div id="the whole thing" style="overflow: hidden;"> <div style="float: left; padding: 5px"> <a href="https://www.linkedin.com/in/dennyzhang001"></a></div> <div style="float: left; padding: 5px"><a href="https://github.com/dennyzhang"></a></div> <div style="float: left; padding: 5px"><a href="https://www.dennyzhang.com/slack" target="_blank" rel="nofollow"></a></div> </div>
<br/><br/> <a href="http://makeapullrequest.com" target="_blank" rel="nofollow"></a> #+ENDHTML
```

- 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	<a href="#">Link: vagrant cli</a> , <a href="#">Link: 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.

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#+BEGIN_EXPORT HTML <a href="https://www.dennyzhang.com"></a>
<a href="https://www.dennyzhang.com"></a> #+END_HTML
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