

## Automate VM deployment via Vagrant and Kickstart

{Example from Linux Administration Cookbook}

Installing a new VM from scratch every time you want to create a VM is boring especially when you find yourself doing that often. Or get tired after the first time.

## Infrastructure as Code (IaC)

### Kickstart Files

Inside CentOS VM: /root/anaconda-ks.cfg

Kickstart files contain setup details that you would have otherwise answered during a manual installation. These files can be edited and then distributed from a web server.

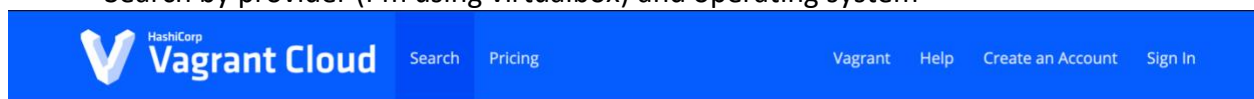
### Vagrant

More easily to configure startup files for VMs.

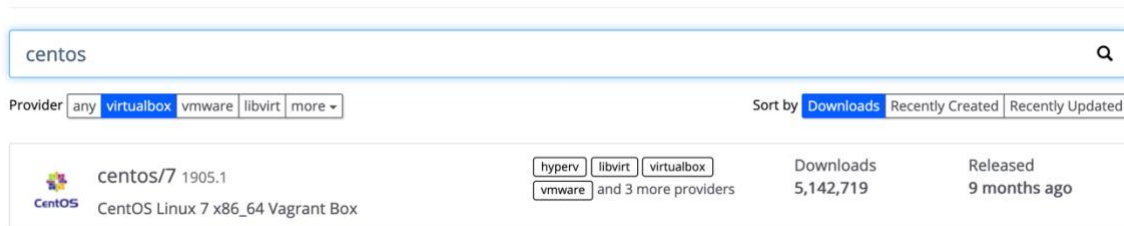
Install Vagrant <https://www.vagrantup.com/downloads.html>

Every Vagrant VM needs a box that you can find at <https://vagrantcloud.com/search>

- Search by provider (I'm using virtualbox) and operating system



## Discover Vagrant Boxes



Follow instructions for selected operating system

## centos / 7 Vagrant box

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How to use this box with [Vagrant](#):

[Vagrantfile](#) [New](#)

```
vagrant init centos/7  
vagrant up
```

```
$ vagrant init centos/7
```

```
$ vagrant up
```

```
Munki-server:servers aimhigh$ vagrant init centos/7  
A `Vagrantfile` has been placed in this directory. You are now  
ready to `vagrant up` your first virtual environment! Please read  
the comments in the Vagrantfile as well as documentation on  
`vagrantup.com` for more information on using Vagrant.  
Munki-server:servers aimhigh$ vagrant up  
Bringing machine 'default' up with 'virtualbox' provider...  
==> default: Importing base box 'centos/7'...  
==> default: Matching MAC address for NAT networking...  
==> default: Checking if box 'centos/7' version '1804.02' is up to date...  
==> default: A newer version of the box 'centos/7' for provider 'virtualbox' is  
==> default: available! You currently have version '1804.02'. The latest is vers  
ion  
==> default: '1905.1'. Run `vagrant box update` to update.
```

Update box

```
$ vagrant box update
```