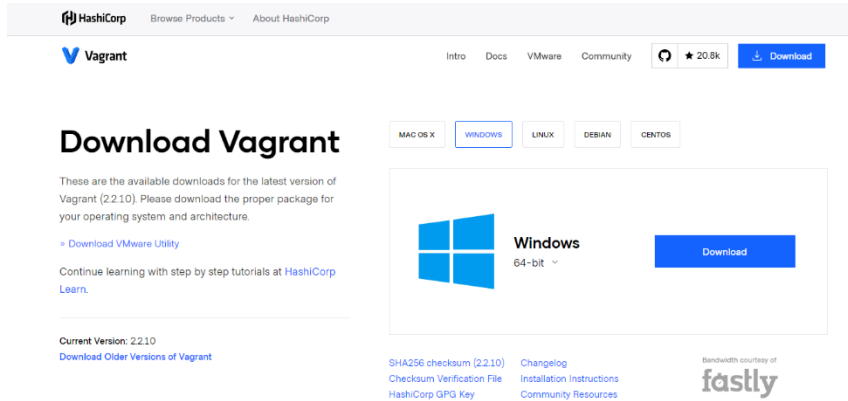


## Experiment 11

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### VAGRANT

#### 1) download vagrant



The screenshot shows the HashiCorp Vagrant download page. At the top, there's a navigation bar with the HashiCorp logo, 'Browse Products', and 'About HashiCorp'. Below this, the 'Vagrant' logo is on the left, and links for 'Intro', 'Docs', 'VMware', 'Community', a GitHub icon with '★ 20.8k', and a 'Download' button are on the right. The main heading is 'Download Vagrant'. Below it, a paragraph explains that these are the available downloads for the latest version (2.2.10) and provides a link to 'Download VMware Utility'. There's also a link to 'Continue learning with step by step tutorials at HashiCorp Learn'. A section for 'Current Version: 2.2.10' includes a link to 'Download Older Versions of Vagrant'. On the right, there are tabs for 'MAC OS X', 'WINDOWS' (selected), 'LINUX', 'DEBIAN', and 'CENTOS'. Below the tabs, a 'Windows 64-bit' download card is shown with a 'Download' button. At the bottom, there are links for 'SHA256 checksum (2.2.10)', 'Checksum Verification File', 'HashiCorp GPG Key', 'Changelog', 'Installation Instructions', and 'Community Resources'. A 'fastly' logo is also present.

#### 2) check vagrant version

```
C:\> Administrator: Command Prompt
Microsoft Windows [Version 10.0.18363.1139]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>vagrant --version
Vagrant 2.2.10
```

#### 3) create a folder and then go to that folder and do vagrant init

```
C:\WINDOWS\system32>d:

D:\>mkdir first_vagrant

D:\>cd first_vagrant

D:\first_vagrant>vagrant init
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.
```

#### 4) open vagrantfile and do the changes in "config.vm.box = "ubuntu/trusty64"

```

Vagrantfile
# -*- mode: ruby -*-
# vi: set ft=ruby :

# All Vagrant configuration is done below. The "2" in Vagrant.configure
# configures the configuration version (we support older styles for
# backwards compatibility). Please don't change it unless you know what
# you're doing.
Vagrant.configure("2") do |config|
  # The most common configuration options are documented and commented below.
  # For a complete reference, please see the online documentation at
  # https://docs.vagrantup.com.

  # Every Vagrant development environment requires a box. You can search for
  # boxes at https://vagrantcloud.com/search.
  config.vm.box = "ubuntu/trusty64"

  # Disable automatic box update checking. If you disable this, then
  # boxes will only be checked for updates when the user runs
  # 'vagrant box outdated'. This is not recommended.
  # config.vm.box_check_update = false

  # Create a forwarded port mapping which allows access to a specific port
  # within the machine from a port on the host machine. In the example below,
  # accessing "localhost:8080" will access port 80 on the guest machine.
  # NOTE: This will enable public access to the opened port
  # config.vm.network "forwarded port", guest: 80, host: 8080

```

#### 5) run vagrant up command

```

Administrator: Command Prompt

D:\first_vagrant>vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'ubuntu/trusty64' could not be found. Attempting to find and install...
default: Box Provider: virtualbox
default: Box Version: >= 0
==> default: Loading metadata for box 'ubuntu/trusty64'
default: URL: https://vagrantcloud.com/ubuntu/trusty64
==> default: Adding box 'ubuntu/trusty64' (v20190514.0.0) for provider: virtualbox
default: Downloading: https://vagrantcloud.com/ubuntu/boxes/trusty64/versions/20190514.0.0/providers/virtualbox.box
Download redirected to host: cloud-images.ubuntu.com
default:
==> default: Successfully added box 'ubuntu/trusty64' (v20190514.0.0) for 'virtualbox'!
==> default: Importing base box 'ubuntu/trusty64'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'ubuntu/trusty64' version '20190514.0.0' is up to date...
==> default: Setting the name of the VM: first_vagrant_default_1604381956405_98417
==> default: Clearing any previously set forwarded ports...
Vagrant is currently configured to create VirtualBox synced folders with
the 'SharedFoldersEnableSymlinksCreate' option enabled. If the Vagrant
guest is not trusted, you may want to disable this option. For more
information on this option, please refer to the VirtualBox manual:

https://www.virtualbox.org/manual/ch04.html#sharedfolders

This option can be disabled globally with an environment variable:

VAGRANT_DISABLE_VBOXSYMLINKCREATE=1

or on a per folder basis within the Vagrantfile:

```

#### 6) run vagrant SSH

```

D:\first_vagrant>vagrant SSH
Usage: vagrant [options] <command> [<args>]

-h, --help                Print this help.

D:\first_vagrant>vagrant ssh
ssh_exchange_identification: read: Connection aborted

```

## 7) check the VM created

