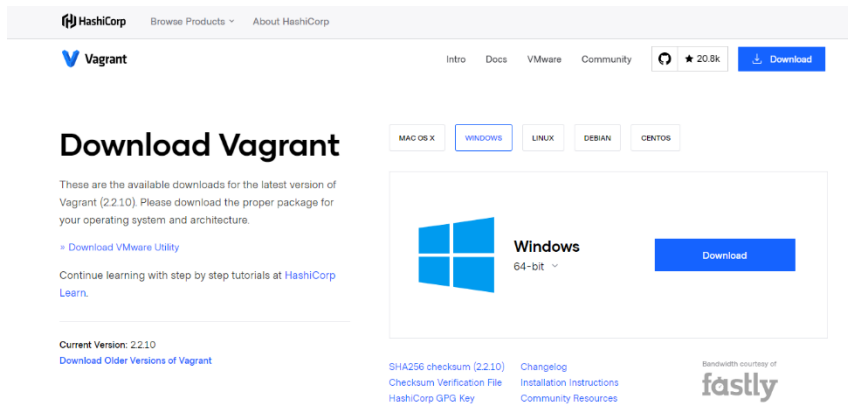


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EXPERIMENT-1

CREATE VM USING VAGRANT

1) download vagrant



The screenshot shows the HashiCorp Vagrant website. The header includes the HashiCorp logo, navigation links for 'Browse Products' and 'About HashiCorp', and a 'Vagrant' logo. Below the header, there are links for 'Intro', 'Docs', 'VMware', 'Community', a GitHub icon with '20.8k' stars, and a 'Download' button. The main content area is titled 'Download Vagrant' and provides instructions for downloading the latest version (2.2.10) for various operating systems: MAC OS X, WINDOWS, LINUX, DEBIAN, and CENTOS. The 'WINDOWS' tab is selected, showing a 'Download' button for the 'Windows 64-bit' version. Below the download instructions, 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 visible in the bottom right corner.

2) check vagrant version

```
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

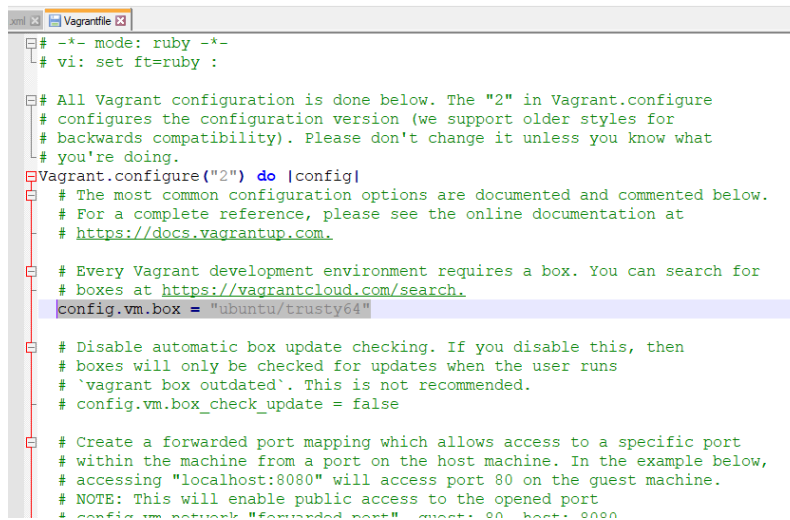
```
C:\WINDOWS\system32>d:

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"



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

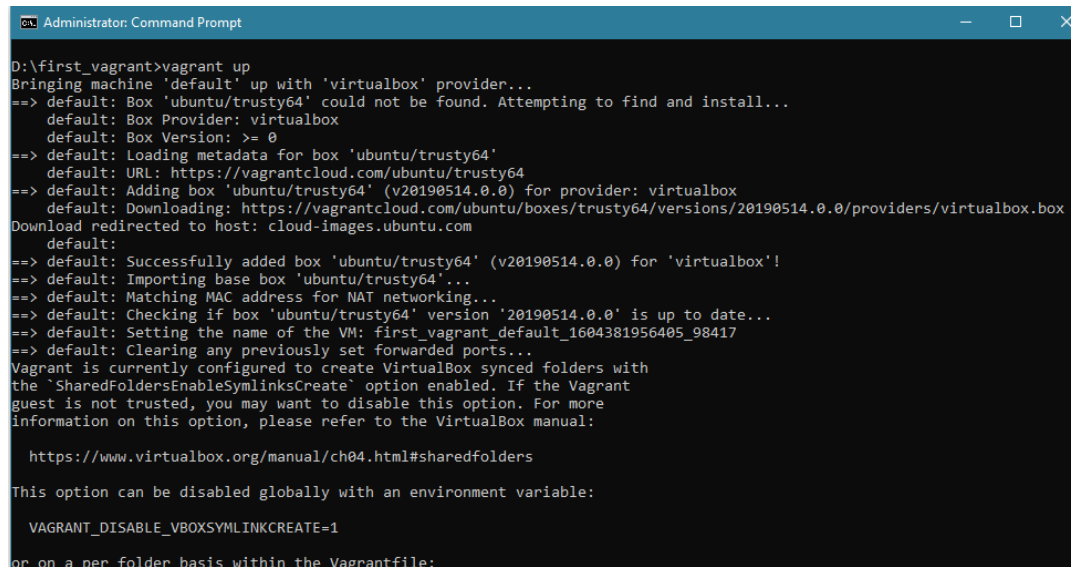
# All Vagrant configuration is done below. The "2" in Vagrant.configure
# configures the configuration version (we support older styles for
# backwards compatibility). Please don't change it unless you know what
# you're doing.
Vagrant.configure("2") do |config|
  # The most common configuration options 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

```
==> default: Checking for guest additions in VM...
default: The guest additions on this VM do not match the installed version of
default: VirtualBox! In most cases this is fine, but in rare cases it can
default: prevent things such as shared folders from working properly. If you see
default: shared folder errors, please make sure the guest additions within the
default: virtual machine match the version of VirtualBox you have installed on
default: your host and reload your VM.
default:
default: Guest Additions Version: 4.3.40
default: VirtualBox Version: 6.1
==> default: Mounting shared folders...
default: /vagrant => D:/first_vagrant

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

