

EXPERIMENT-11

Step 1: Vagrant init

```
Select Command Prompt
Microsoft Windows [Version 10.0.18362.1139]
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C:\Users\dell>cd Documents

C:\Users\dell\Documents>mkdir vagrant

C:\Users\dell\Documents>cd vagrant

C:\Users\dell\Documents\vagrant>Vagrant init

C:\Users\dell\Documents\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.

C:\Users\dell\Documents\vagrant>Vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'ubuntu/xenial64' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'ubuntu/xenial64'
    default: URL: https://vagrantcloud.com/ubuntu/xenial64
==> default: Adding box 'ubuntu/xenial64' (v20201102.0.0) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/ubuntu/boxes/xenial64/versions/20201102.0.0/providers/virtualbox.box
Download redirected to host: cloud-images.ubuntu.com
    default:
==> default: Successfully added box 'ubuntu/xenial64' (v20201102.0.0) for 'virtualbox'!
==> default: Importing base box 'ubuntu/xenial64'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'ubuntu/xenial64' version '20201102.0.0' is up to date...
==> default: Setting the name of the VM: vagrant default_1604386585286_73849
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

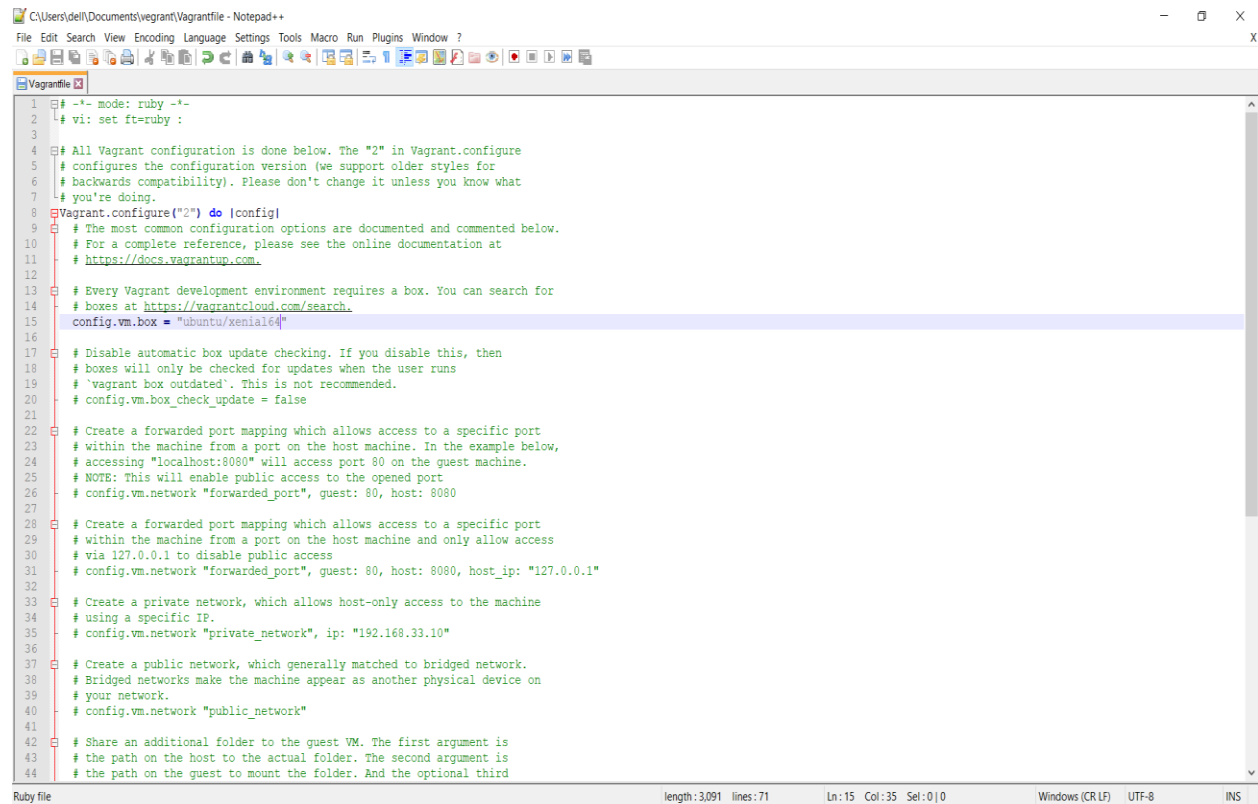
This option can be disabled globally with an environment variable:

    VAGRANT_DISABLE_VBOXSYMLINKCREATE=1

or on a per folder basis within the Vagrantfile:

    config.vm.synced_folder '/host/path', '/guest/path', SharedFoldersEnableSymlinksCreate: false
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
    default: Adapter 1: nat
```

Step 2: Edit vagrantfile



```
1  # -*- mode: ruby -*-
2  # vi: set ft=ruby :
3
4  # All Vagrant configuration is done below. The "2" in Vagrant.configure
5  # configures the configuration version (we support older styles for
6  # backwards compatibility). Please don't change it unless you know what
7  # you're doing.
8  Vagrant.configure("2") do |config|
9    # The most common configuration options are documented and commented below.
10   # For a complete reference, please see the online documentation at
11   # https://docs.vagrantup.com.
12
13   # Every Vagrant development environment requires a box. You can search for
14   # boxes at https://vagrantcloud.com/search.
15   config.vm.box = "ubuntu/xenial64"
16
17   # Disable automatic box update checking. If you disable this, then
18   # boxes will only be checked for updates when the user runs
19   # 'vagrant box outdated'. This is not recommended.
20   # config.vm.box_check_update = false
21
22   # Create a forwarded port mapping which allows access to a specific port
23   # within the machine from a port on the host machine. In the example below,
24   # accessing "localhost:8080" will access port 80 on the guest machine.
25   # NOTE: This will enable public access to the opened port
26   # config.vm.network "forwarded_port", guest: 80, host: 8080
27
28   # Create a forwarded port mapping which allows access to a specific port
29   # within the machine from a port on the host machine and only allow access
30   # via 127.0.0.1 to disable public access
31   # config.vm.network "forwarded_port", guest: 80, host: 8080, host_ip: "127.0.0.1"
32
33   # Create a private network, which allows host-only access to the machine
34   # using a specific IP.
35   # config.vm.network "private_network", ip: "192.168.33.10"
36
37   # Create a public network, which generally matched to bridged network.
38   # Bridged networks make the machine appear as another physical device on
39   # your network.
40   # config.vm.network "public_network"
41
42   # Share an additional folder to the guest VM. The first argument is
43   # the path on the host to the actual folder. The second argument is
44   # the path on the guest to mount the folder. And the optional third
```

Ruby file length:3,091 lines:71 Ln:15 Col:35 Sel:0|0 Windows (CR LF) UTF-8 INS

Step 3: Vagrant up

```
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C:\Users\dell\Documents\>vagrant init

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    default: Downloading: https://vagrantcloud.com/ubuntu/boxes/xenial64/versions/20201102.0.0/providers/virtualbox.box
Download redirected to host: cloud-images.ubuntu.com
    default:
==> default: Successfully added box 'ubuntu/xenial64' (v20201102.0.0) for 'virtualbox'!
==> default: Importing base box 'ubuntu/xenial64'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'ubuntu/xenial64' version '20201102.0.0' is up to date...
==> default: Setting the name of the VM: vagrant default 1604386585286_73849
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
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    https://www.virtualbox.org/manual/ch04.html#sharedfolders

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    default: Adapter 1: nat
```

Step 4: vagrant ssh

```
Select vagrant@ubuntu-xenial:~$
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':
--(no-)color      Enable or disable color output
--machine-readable Enable machine readable output
-v, --version     Display Vagrant version
--debug           Enable debug output
--timestamp       Enable timestamps on log output
--debug-timestamp Enable debug output with timestamps
--no-tty          Enable non-interactive output

C:\Users\dell\Documents\>vagrant ssh
Welcome to Ubuntu 18.04.7 LTS (GNU/Linux 4.4.0-193-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

0 packages can be updated.
0 updates are security updates.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

vagrant@ubuntu-xenial:~$
```

Vagrant Folder:-

