Vagrant - A tool for building and managing virtual machine environments with ease. It uses a hypervisor software.

Hypervisor - It is a software that creates and runs virtual m/c by separating a system's OS and resources from the hardware to allocate to VM's. Ex: VirtualBox, VMWare etc.

Download vagrant from the official site.

Go to powershell:

mkdir vagrant_workspace

cd vagrant_workspace

vagrant init centos/7

Discover vagrant boxes to use:

https://app.vagrantup.com/boxes/search?provider=vmware&q=centos&sort=downloads&utf8=% E2%9C%93

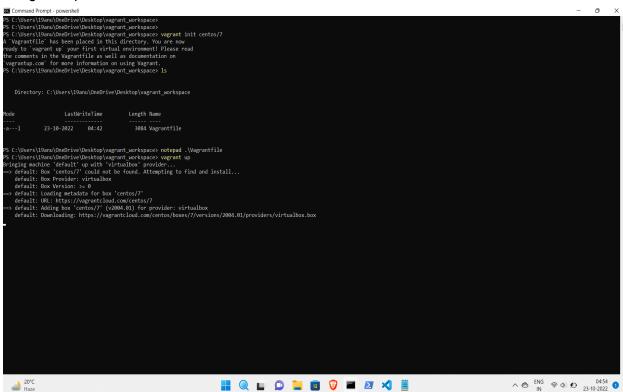
]

Is

(there must be a vagrant file created for the vagrant box initialized.)

notepad ./VagrantFile (edit configs inside this file)

vagrant up



VagrantFile Configuration

```
Vagrant.configure("2") do |config|
config.vm.box = "centos/7"
config.vm.hostname = "vm1"
config.vm.network "public_network", ip: "192.168.1.30"
end
```

Working inside Vagrant:

After "vagrant up", ping the vm ip in our case:

ping 192.168.1.30

vagrant ssh

cd /

cd vagrant

(This directory will contain the VagrantFile created while building the vagrant box.)

Synced Folders:

https://www.vagrantup.com/docs/synced-folders/basic_usage

You can share files between host and remote VM. By simply adding files to the directory containing VagrantFile in host. After that in host m/c,

vagrant reload