

Installing Vagrant In Ubuntu

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Update the packages.

```
root@punith: ~  
root@punith:~# apt-get update  
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]  
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease  
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]  
Get:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [83.3 kB]  
Hit:5 http://apt.postgresql.org/pub/repos/apt bionic-pgdg InRelease  
Fetched 261 kB in 3s (81.1 kB/s)  
Reading package lists... Done  
W: Target Packages (main/binary-amd64/Packages) is configured multiple times in /etc/  
W: Target Packages (main/binary-all/Packages) is configured multiple times in /etc/
```

Install vagrant by "apt-get install vagrant" command.

```
root@punith: ~  
root@punith:~# apt-get install vagrant -y  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
vagrant is already the newest version (2.0.2+dfsg-2ubuntu8).  
0 upgraded, 0 newly installed, 0 to remove and 179 not upgraded.  
root@punith:~#
```

Check the installation of vagrant by “vagrant --version”.

```
0 upgraded, 0 newly installed, 0 to remove and  
root@punith:~# vagrant --version  
Vagrant 2.0.2  
root@punith:~#
```

Create a directory and initialize vagrant by “vagrant init” command. After execution of command, a file named “Vagrantfile” will be created.

```
root@punith: ~/my_vagrant  
root@punith:~# mkdir my_vagrant  
root@punith:~# cd my_vagrant/  
root@punith:~/my_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.  
root@punith:~/my_vagrant#
```

Open the Vagrant

```
root@punith: ~/my_vagrant  
root@punith:~# cd my_vagrant/  
root@punith:~/my_vagrant# ls  
Vagrantfile  
root@punith:~/my_vagrant# vim Vagrantfile
```

Enter the configuration.

```
# 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|
  config.vm.box = "ubuntu/bionic64"
  config.vm.network "private_network", type: "dhcp"
  config.vm.provider "virtualbox" do |vb|
    vb.memory = "1024"
    vb.cpus = 2

    # 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 = "base"
  end
end
```

Run “vagrant up “. It creates an virtual machine .

```
root@punith: ~/my_vagrant
root@punith:~/my_vagrant# ls
Vagrantfile
root@punith:~/my_vagrant# vim Vagrantfile
root@punith:~/my_vagrant# vagrant up
```