**Step 1: Vagrantfile**

config.vm.box = "ubuntu/bionic64"

**Step 2:**

C:\vagrantproject1>mkdir ansible-controller

C:\vagrantproject1>cd ansible-controller

**Step 3:vagrantfile**

 config.vm.provision "shell", inline: <<-SHELL

  sudo yum install epel-release -y

  sudo yum install ansible -y

SHELL

end

Vagrant.configure("2") do |config|

  config.vm.define "ansible-controller" do |controller|

    controller.vm.hostname = "controller"

    controller.vm.box = "centos/7"

    controller.vm.provision "shell", inline: <<-SHELL

      sudo yum install epel-release -y

      sudo yum install ansible -y

    SHELL

  end

end

**Step4: vagrant ssh**

**Step5: sudo vi /etc/resolv.conf**

nameserver 8.8.8.8

nameserver 8.8.4.4

**Step6: ping google.com**

**Step7: sudo vi /etc/yum.repos.d/CentOS-Base.repo**

[base]

name=CentOS-7 - Base

baseurl=http://vault.centos.org/7.9.2009/os/x86\_64/

gpgcheck=1

gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

[updates]

name=CentOS-7 - Updates

baseurl=http://vault.centos.org/7.9.2009/updates/x86\_64/

gpgcheck=1

gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

[extras]

name=CentOS-7 - Extras

baseurl=http://vault.centos.org/7.9.2009/extras/x86\_64/

gpgcheck=1

gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

**Step8: sudo yum clean all**

**Step9: sudo yum install epel-release -y**

**Step10: ssh-keygen**

**Step11: cd ~/.ssh**

**Step12: vagrant@controller .ssh]$ ls**

**authorized\_keys id\_rsa id\_rsa.pub**

**Step13:**

**C:\vagrantproject1\ansible-controller>vagrant validate**

**Vagrantfile validated successfully.**

**Step14:**

**C:\vagrantproject1\ansible-controller>vagrant up**

**Bringing machine 'ansible-controller' up with 'virtualbox' provider...**

**==> ansible-controller: Checking if box 'centos/7' version '2004.01' is up to date...**

**==> ansible-controller: Machine already provisioned. Run `vagrant provision` or use the `--provision`**

**==> ansible-controller: flag to force provisioning. Provisioners marked to run always will still run.**

**Step14:** **vagrant provision**

**Step15:**

**C:\vagrantproject1\ansible-controller>vagrant ssh**

**Last login: Thu Apr 10 03:56:08 2025 from 10.0.2.2**

**Step16:[vagrant@controller ~]$ ansible --version**

**ansible 2.9.27**

**config file = /etc/ansible/ansible.cfg**

**configured module search path = [u'/home/vagrant/.ansible/plugins/modules', u'/usr/share/ansible/plugins/modules']**

**ansible python module location = /usr/lib/python2.7/site-packages/ansible**

**executable location = /usr/bin/ansible**

**python version = 2.7.5 (default, Apr 2 2020, 13:16:51) [GCC 4.8.5 20150623 (Red Hat 4.8.5-39)]**

**ANSIBLE INSTALLED SUCCESSFULLY……..!**