Microsoft Windows [Version 10.0.22631.4890]

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

Last login: Fri Apr 11 09:08:34 2025 from 10.0.2.2

[vagrant@controller ~]$ **mkdir ansible-project**

[vagrant@controller ~]$ **cd ansible-project**

[vagrant@controller ansible-project]$ **touch hosts**

[vagrant@controller ansible-project]$ **touch playbook.yml**

[vagrant@controller ansible-project]$ **ls**

hosts playbook.yml

[vagrant@controller ansible-project]$ **mkdir ansible-hosts**

[vagrant@controller ansible-project]$ **cd ansible-hosts**

[vagrant@controller ansible-hosts]$ **cd..**

-bash: cd..: command not found

[vagrant@controller ansible-hosts]$ **cd**

[vagrant@controller ~]$ **ls**

ansible-project

[vagrant@controller ~]$ cd ansible-hosts

-bash: cd: ansible-hosts: No such file or directory

[vagrant@controller ~]$ **cd ansible-project**

[vagrant@controller ansible-project]$ **ls**

ansible-hosts hosts playbook.yml

[vagrant@controller ansible-project]$ **rmdir ansible-hosts**

[vagrant@controller ansible-project]$ **ls**

hosts playbook.yml

[vagrant@controller ansible-project]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller>**mkdir ansible-hosts**

C:\VagrantProject\ansible-controller>**cd ansible-hosts**

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant init centos/7**

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:\VagrantProject\ansible-controller\ansible-hosts>**vagrant up**

Bringing machine 'web' up with 'virtualbox' provider...

Bringing machine 'db' up with 'virtualbox' provider...

==> web: Importing base box 'centos/7'...

==> web: Matching MAC address for NAT networking...

==> web: Checking if box 'centos/7' version '2004.01' is up to date...

==> web: Setting the name of the VM: ansible-hosts\_web\_1744364991388\_24181

==> web: Fixed port collision for 22 => 2222. Now on port 2201.

==> web: Clearing any previously set network interfaces...

==> web: Preparing network interfaces based on configuration...

web: Adapter 1: nat

web: Adapter 2: hostonly

==> web: Forwarding ports...

web: 80 (guest) => 8081 (host) (adapter 1)

web: 22 (guest) => 2201 (host) (adapter 1)

==> web: Booting VM...

==> web: Waiting for machine to boot. This may take a few minutes...

web: SSH address: 127.0.0.1:2201

web: SSH username: vagrant

web: SSH auth method: private key

web:

web: Vagrant insecure key detected. Vagrant will automatically replace

web: this with a newly generated keypair for better security.

web:

web: Inserting generated public key within guest...

web: Removing insecure key from the guest if it's present...

web: Key inserted! Disconnecting and reconnecting using new SSH key...

==> web: Machine booted and ready!

==> web: Checking for guest additions in VM...

web: No guest additions were detected on the base box for this VM! Guest

web: additions are required for forwarded ports, shared folders, host only

web: networking, and more. If SSH fails on this machine, please install

web: the guest additions and repackage the box to continue.

web:

web: This is not an error message; everything may continue to work properly,

web: in which case you may ignore this message.

==> web: Setting hostname...

==> web: Configuring and enabling network interfaces...

==> web: Rsyncing folder: /cygdrive/c/VagrantProject/ansible-controller/ansible-hosts/ => /vagrant

==> db: Importing base box 'centos/7'...

==> db: Matching MAC address for NAT networking...

==> db: Checking if box 'centos/7' version '2004.01' is up to date...

==> db: Setting the name of the VM: ansible-hosts\_db\_1744365030007\_22253

==> db: Fixed port collision for 22 => 2222. Now on port 2202.

==> db: Clearing any previously set network interfaces...

==> db: Preparing network interfaces based on configuration...

db: Adapter 1: nat

db: Adapter 2: hostonly

==> db: Forwarding ports...

db: 80 (guest) => 8082 (host) (adapter 1)

db: 22 (guest) => 2202 (host) (adapter 1)

==> db: Booting VM...

==> db: Waiting for machine to boot. This may take a few minutes...

db: SSH address: 127.0.0.1:2202

db: SSH username: vagrant

db: SSH auth method: private key

db:

db: Vagrant insecure key detected. Vagrant will automatically replace

db: this with a newly generated keypair for better security.

db:

db: Inserting generated public key within guest...

db: Removing insecure key from the guest if it's present...

db: Key inserted! Disconnecting and reconnecting using new SSH key...

==> db: Machine booted and ready!

==> db: Checking for guest additions in VM...

db: No guest additions were detected on the base box for this VM! Guest

db: additions are required for forwarded ports, shared folders, host only

db: networking, and more. If SSH fails on this machine, please install

db: the guest additions and repackage the box to continue.

db:

db: This is not an error message; everything may continue to work properly,

db: in which case you may ignore this message.

==> db: Setting hostname...

==> db: Configuring and enabling network interfaces...

==> db: Rsyncing folder: /cygdrive/c/VagrantProject/ansible-controller/ansible-hosts/ => /vagrant

C:\VagrantProject\ansible-controller\ansible-hosts>vagrant ssh web

[vagrant@web ~]$ **ip addr**

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc pfifo\_fast state UP group default qlen 1000

link/ether 52:54:00:4d:77:d3 brd ff:ff:ff:ff:ff:ff

inet 10.0.2.15/24 brd 10.0.2.255 scope global noprefixroute dynamic eth0

valid\_lft 86339sec preferred\_lft 86339sec

inet6 fe80::5054:ff:fe4d:77d3/64 scope link

valid\_lft forever preferred\_lft forever

3: eth1: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc pfifo\_fast state UP group default qlen 1000

link/ether 08:00:27:87:bf:54 brd ff:ff:ff:ff:ff:ff

inet 192.168.33.10/24 brd 192.168.33.255 scope global noprefixroute eth1

valid\_lft forever preferred\_lft forever

inet6 fe80::a00:27ff:fe87:bf54/64 scope link

valid\_lft forever preferred\_lft forever

[vagrant@web ~]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant ssh db**

[vagrant@db ~]$ **ip addr**

1: lo: <LOOPBACK,UP,LOWER\_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid\_lft forever preferred\_lft forever

inet6 ::1/128 scope host

valid\_lft forever preferred\_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc pfifo\_fast state UP group default qlen 1000

link/ether 52:54:00:4d:77:d3 brd ff:ff:ff:ff:ff:ff

inet 10.0.2.15/24 brd 10.0.2.255 scope global noprefixroute dynamic eth0

valid\_lft 86328sec preferred\_lft 86328sec

inet6 fe80::5054:ff:fe4d:77d3/64 scope link

valid\_lft forever preferred\_lft forever

3: eth1: <BROADCAST,MULTICAST,UP,LOWER\_UP> mtu 1500 qdisc pfifo\_fast state UP group default qlen 1000

link/ether 08:00:27:4b:c2:1e brd ff:ff:ff:ff:ff:ff

inet 192.168.33.11/24 brd 192.168.33.255 scope global noprefixroute eth1

valid\_lft forever preferred\_lft forever

inet6 fe80::a00:27ff:fe4b:c21e/64 scope link

valid\_lft forever preferred\_lft forever

[vagrant@db ~]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant ssh web**

Last login: Fri Apr 11 09:51:08 2025 from 10.0.2.2

[vagrant@web ~]$ **cd ~/.ssh**

[vagrant@web .ssh]$ **ls**

authorized\_keys

[vagrant@web .ssh]$ **cat authorized\_keys**

ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIJVuNGpHB62gUWoSH89+A7mRY/LCB+eTDB2cAB03KwlS vagrant

[vagrant@web .ssh]$ **vi authorized\_keys**

[vagrant@web .ssh]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant ssh db**

Last login: Fri Apr 11 09:52:01 2025 from 10.0.2.2

[vagrant@db ~]$ **cd ~/.ssh**

[vagrant@db .ssh]$ **ls**

authorized\_keys

[vagrant@db .ssh]$ cat authorizedkeys

cat: authorizedkeys: No such file or directory

[vagrant@db .ssh]$ **cat authorized\_keys**

ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIGxEgXi/7w6EcVQ00KSbxriDFAgQLbtpSACWNIAtT05I vagrant

[vagrant@db .ssh]$ **vi authorized\_keys**

[vagrant@db .ssh]$ cat authorized\_keys

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCkSf+fUhWHvIYB+NA74AJTKy0g2tM4WKKxvCh9CMLPd9LzwDXOHrFQZ7R0tWKljjmOuhlhWz5b/TAMLdxAzVatvDuoOm75IvdcmwEFmG23cqFwa8Pp86z6c5bp9pM2k3HNfPZiU/SO4aAgnlQa+/KqXXC7YA1GEyPHPvpZGDEyeglFkPxrgogrSFX85QEjGFtWYThOeu8HaaJJMrVEbOAzVocBEfveTXVaCPlHiFlh1FJWZUGxGnx/qx/3F93xAIkOPGSdggxNulHOHCDudv4XKHphjaVBFOXvElQWD08E1CP9oOZa3wiV2ejgpIkvWdpSophFbaUow5aSaYM73DgF vagrant@controller

ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIGxEgXi/7w6EcVQ00KSbxriDFAgQLbtpSACWNIAtT05I vagrant

[vagrant@db .ssh]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant status**

Current machine states:

web running (virtualbox)

db running (virtualbox)

This environment represents multiple VMs. The VMs are all listed

above with their current state. For more information about a specific

VM, run `vagrant status NAME`.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant ssh web**

Last login: Fri Apr 11 09:52:48 2025 from 10.0.2.2

[vagrant@web ~]$ **cat /etc/resolv.conf**

# Generated by NetworkManager

nameserver 10.0.2.3

[vagrant@web ~]$ **sudo vi /etc/resolv.conf**

[vagrant@web ~]$ **ping google.com**

PING google.com (142.250.76.46) 56(84) bytes of data.

64 bytes from maa03s36-in-f14.1e100.net (142.250.76.46): icmp\_seq=1 ttl=57 time=17.4 ms

64 bytes from maa03s36-in-f14.1e100.net (142.250.76.46): icmp\_seq=2 ttl=57 time=16.5 ms

64 bytes from maa03s36-in-f14.1e100.net (142.250.76.46): icmp\_seq=3 ttl=57 time=16.3 ms

64 bytes from maa03s36-in-f14.1e100.net (142.250.76.46): icmp\_seq=4 ttl=57 time=16.8 ms

64 bytes from maa03s36-in-f14.1e100.net (142.250.76.46): icmp\_seq=5 ttl=57 time=16.6 ms

64 bytes from maa03s36-in-f14.1e100.net (142.250.76.46): icmp\_seq=6 ttl=57 time=16.7 ms

^C

--- google.com ping statistics ---

6 packets transmitted, 6 received, 0% packet loss, time 5038ms

rtt min/avg/max/mdev = 16.379/16.750/17.406/0.359 ms

[vagrant@web ~]$ **sudo vi /etc/yum.repos.d/CentOS-Base.repo**

[vagrant@web ~]$ **sudo yum clean all**

Loaded plugins: fastestmirror

Cleaning repos: base extras updates

[vagrant@web ~]$ **sudo yum install epel-release -y**

Loaded plugins: fastestmirror

Determining fastest mirrors

base | 3.6 kB 00:00:00

extras | 2.9 kB 00:00:00

updates | 2.9 kB 00:00:00

(1/4): extras/primary\_db | 253 kB 00:00:00

(2/4): base/group\_gz | 153 kB 00:00:00

(3/4): base/primary\_db | 6.1 MB 00:00:00

(4/4): updates/primary\_db | 27 MB 00:00:02

Resolving Dependencies

--> Running transaction check

---> Package epel-release.noarch 0:7-11 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

======================================================================================================

Package Arch Version Repository Size

======================================================================================================

Installing:

epel-release noarch 7-11 extras 15 k

Transaction Summary

======================================================================================================

Install 1 Package

Total download size: 15 k

Installed size: 24 k

Downloading packages:

warning: /var/cache/yum/x86\_64/7/extras/packages/epel-release-7-11.noarch.rpm: Header V3 RSA/SHA256 Signature, key ID f4a80eb5: NOKEY

Public key for epel-release-7-11.noarch.rpm is not installed

epel-release-7-11.noarch.rpm | 15 kB 00:00:00

Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Importing GPG key 0xF4A80EB5:

Userid : "CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>"

Fingerprint: 6341 ab27 53d7 8a78 a7c2 7bb1 24c6 a8a7 f4a8 0eb5

Package : centos-release-7-8.2003.0.el7.centos.x86\_64 (@anaconda)

From : /etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : epel-release-7-11.noarch 1/1

Verifying : epel-release-7-11.noarch 1/1

Installed:

epel-release.noarch 0:7-11

Complete!

[vagrant@web ~]$ **sudo vi /etc/NetworkManager/NetworkManager.conf**

[vagrant@web ~]$ **sudo systemctl restart NetworkManager**

[vagrant@web ~]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant ssh web**

Last login: Fri Apr 11 09:59:08 2025 from 10.0.2.2

[vagrant@web ~]$ **ls**

[vagrant@web ~]$ exit

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**vagrant ssh db**

Last login: Fri Apr 11 09:54:27 2025 from 10.0.2.2

[vagrant@db ~]$ **cat /etc/resolv.conf**

# Generated by NetworkManager

nameserver 10.0.2.3

[vagrant@db ~]$ **sudo vi /etc/resolv.conf**

[vagrant@db ~]$ **ping google.com**

PING google.com (142.250.195.78) 56(84) bytes of data.

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=1 ttl=116 time=17.9 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=2 ttl=116 time=17.5 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=3 ttl=116 time=17.8 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=4 ttl=116 time=17.8 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=5 ttl=116 time=17.4 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=6 ttl=116 time=17.6 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=7 ttl=116 time=17.7 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=8 ttl=116 time=17.5 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=9 ttl=116 time=17.7 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=10 ttl=116 time=18.0 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=11 ttl=116 time=17.9 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=12 ttl=116 time=17.7 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=13 ttl=116 time=17.8 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=14 ttl=116 time=17.2 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=15 ttl=116 time=17.7 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=16 ttl=116 time=17.7 ms

64 bytes from maa03s38-in-f14.1e100.net (142.250.195.78): icmp\_seq=17 ttl=116 time=17.9 ms

^C

--- google.com ping statistics ---

17 packets transmitted, 17 received, 0% packet loss, time 16040ms

rtt min/avg/max/mdev = 17.249/17.748/18.003/0.256 ms

[vagrant@db ~]$ **sudo vi /etc/yum.repos.d/CentOS-Base.repo**

[vagrant@db ~]$ **sudo yum clean all**

Loaded plugins: fastestmirror

Cleaning repos: base extras updates

[vagrant@db ~]$ **sudo yum install epel-release -y**

Loaded plugins: fastestmirror

Determining fastest mirrors

base | 3.6 kB 00:00:00

extras | 2.9 kB 00:00:00

updates | 2.9 kB 00:00:00

(1/4): base/group\_gz | 153 kB 00:00:00

(2/4): extras/primary\_db | 253 kB 00:00:00

(3/4): base/primary\_db | 6.1 MB 00:00:01

(4/4): updates/primary\_db | 27 MB 00:00:01

Resolving Dependencies

--> Running transaction check

---> Package epel-release.noarch 0:7-11 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

======================================================================================================

Package Arch Version Repository Size

======================================================================================================

Installing:

epel-release noarch 7-11 extras 15 k

Transaction Summary

======================================================================================================

Install 1 Package

Total download size: 15 k

Installed size: 24 k

Downloading packages:

warning: /var/cache/yum/x86\_64/7/extras/packages/epel-release-7-11.noarch.rpm: Header V3 RSA/SHA256 Signature, key ID f4a80eb5: NOKEY

Public key for epel-release-7-11.noarch.rpm is not installed

epel-release-7-11.noarch.rpm | 15 kB 00:00:00

Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Importing GPG key 0xF4A80EB5:

Userid : "CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>"

Fingerprint: 6341 ab27 53d7 8a78 a7c2 7bb1 24c6 a8a7 f4a8 0eb5

Package : centos-release-7-8.2003.0.el7.centos.x86\_64 (@anaconda)

From : /etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : epel-release-7-11.noarch 1/1

Verifying : epel-release-7-11.noarch 1/1

Installed:

epel-release.noarch 0:7-11

Complete!

[vagrant@db ~]$ **sudo vi /etc/NetworkManager/NetworkManager.conf**

[vagrant@db ~]$ **sudo systemctl restart NetworkManager**

[vagrant@db ~]$ **exit**

logout

Connection to 127.0.0.1 closed.

C:\VagrantProject\ansible-controller\ansible-hosts>**ssh vagrant@192.168.33.11**

The authenticity of host '192.168.33.11 (192.168.33.11)' can't be established.

ED25519 key fingerprint is SHA256:TxjxiMCHwve4ks2vu/C5nfgKAoqAXPsaquYx5gA5o1g.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? **yes**

Warning: Permanently added '192.168.33.11' (ED25519) to the list of known hosts.

vagrant@192.168.33.11: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).

C:\VagrantProject\ansible-controller\ansible-hosts>**ssh vagrant@192.168.33.10**

The authenticity of host '192.168.33.10 (192.168.33.10)' can't be established.

ED25519 key fingerprint is SHA256:+uT+KIjK1dhxhDKEHLyw9LUNvU5U4ivIqnAsJjjsNp8.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? **yes**

Warning: Permanently added '192.168.33.10' (ED25519) to the list of known hosts.

vagrant@192.168.33.10: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).

C:\VagrantProject\ansible-controller\ansible-hosts>cd

C:\VagrantProject\ansible-controller\ansible-hosts

C:\VagrantProject\ansible-controller\ansible-hosts>**cd..**

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

Last login: Fri Apr 11 09:40:30 2025 from 10.0.2.2

[vagrant@controller ~]$ **ls**

ansible-project

[vagrant@controller ~]$ **cd ansible-project**

[vagrant@controller ansible-project]$ **ls**

hosts playbook.yml

[vagrant@controller ansible-project]$ cat host

cat: host: No such file or directory

[vagrant@controller ansible-project]$ **cat hosts**

[vagrant@controller ansible-project]$ **vi hosts**

[vagrant@controller ansible-project]$ cat hosts

[webservers]

192.168.33.10

[dbservers]

192.168.33.11

[vagrant@controller ansible-project]$ **ansible all -m ping -i hosts**

The authenticity of host '192.168.33.10 (192.168.33.10)' can't be established.

ECDSA key fingerprint is SHA256:tlE1ATdyctxCKNNjWzVvN510y5D7MMmPvMyuEvg1m+A.

ECDSA key fingerprint is MD5:45:f8:76:f1:db:ad:8e:8f:ca:97:ff:2d:19:cd:d8:35.

Are you sure you want to continue connecting (yes/no)? The authenticity of host '192.168.33.11 (192.168.33.11)' can't be established.

ECDSA key fingerprint is SHA256:r3Vqqn4D1OOU79ajPZ2h+E4/sliooiYY/G0MBdIdcjY.

ECDSA key fingerprint is MD5:15:c4:4e:4d:7a:45:d4:8b:09:12:a4:d6:c0:c4:06:2b.

Are you sure you want to continue connecting (yes/no)? yes

192.168.33.10 | SUCCESS => {

"ansible\_facts": {

"discovered\_interpreter\_python": "/usr/bin/python"

},

"changed": false,

"ping": "pong"

}

yes

192.168.33.11 | SUCCESS => {

"ansible\_facts": {

"discovered\_interpreter\_python": "/usr/bin/python"

},

"changed": false,

"ping": "pong"

}

[vagrant@controller ansible-project]$ ansible all -m ping -i hosts

192.168.33.11 | SUCCESS => {

"ansible\_facts": {

"discovered\_interpreter\_python": "/usr/bin/python"

},

"changed": false,

"ping": "pong"

}

192.168.33.10 | SUCCESS => {

"ansible\_facts": {

"discovered\_interpreter\_python": "/usr/bin/python"

},

"changed": false,

"ping": "pong"

}

[vagrant@controller ansible-project]$ **cat playbook.yml**

[vagrant@controller ansible-project]$ **vi playbook.yml**

[vagrant@controller ansible-project]$ cat playbook.yml

- name: Configure Web Server

hosts: webservers

become: true

tasks:

- name: Install Apache

yum:

name: httpd

state: latest

- name: Start and enable Apache

service:

name: httpd

state: started

enabled: true

- name: Create a custom index.html

copy:

dest: /var/www/html/index.html

content: "<h1>Hello from Ansible Web Server!</h1>"

- name: Configure DB Server

hosts: dbservers

become: true

tasks:

- name: Install Apache

yum:

name: httpd

state: latest

- name: Start and enable Apache

service:

name: httpd

state: started

enabled: true

[vagrant@controller ansible-project]$ **ansible-playbook -i hosts playbook.yml**

PLAY [Configure Web Server] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [192.168.33.10]

TASK [Install Apache] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [192.168.33.10]

TASK [Start and enable Apache] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [192.168.33.10]

TASK [Create a custom index.html] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [192.168.33.10]

PLAY [Configure DB Server] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [192.168.33.11]

TASK [Install Apache] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [192.168.33.11]

TASK [Start and enable Apache] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [192.168.33.11]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

192.168.33.10 : ok=4 changed=3 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

192.168.33.11 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[vagrant@controller ansible-project]$