ansible-playbook -i myhosts <playbookname.yml>

ansible tag_Name_Dynamic -i ec2.py -u gowtham -m ping

ansible-playbook -i ec2.py -u gowtham <playbookname>.yml

Instance Creation:

```
---
- hosts: localhost
  become: yes
  Tasks:
  - name: create ec2 instances
    ec2:
    key_name: tower
    group: default
    instance_type: t2.micro
    image: ami-0dd723956a0ef04a6
    region: us-east-1
    wait: yes
    count: 1
    Instance_tags:
      Name: Dynamic
    vpc_subnet_id: subnet-a5abe48b
    assign_public_ip: yes
```

STAGE1 - CONFIGURE ANSIBLE

1. install ansible on ubuntu 16.04

apt-get update

apt-add-repository ppa:ansible/ansible

apt-get update

apt-get install ansible

ansible --version

2. create user (gowtham)

adduser gowtham

3. we make gowtham user as a sudo user

visudo

```
gowtham ALL=(ALL) NOPASSWD: ALL
 :wq!
```

4. we have to connect to nodes with out pem file.

vi /etc/ssh/sshd_config

```
PasswordAuthentication yes
```

:wq!

service ssh restart

STAGE2 create IAM user and install pip###

1. Create IAM user(give - accessADMIN permission)
2. Create AMI with ansible node
3. install pip on ansible master as root user

   # apt-get install python-pip
   # pip intall boto
4. Configure IAM user in ansible master as root user vi .boto

   # [Credentials]
   # aws_access_key_id = foo
   # aws_secret_access_key = bar

   :wq!
5. vi .boto credentials put it in user(gowtham) as well

   # $ [Credentials]
   # $ aws_access_key_id = foo
   # $ aws_secret_access_key = bar

   :wq!

Stage3 Configure SSH

1. we should logging into any node using ssh-keygen
   $ ssh-keygen

2. copy key id into ansible nodes
   $ ssh-copy-id localhost
   $ ssh-copy-id

Start process for creating Dynamic inventory

1. write playbook for create ansible hosts in AWS as ansible user
   # $ create playbook by using ec2 module as below
   # $ check /Dynamic/createinstance.yml
2. Execute Playbook on localhost as ansible user

$ vi myhost

$ localhost

:wq!

3. ssh-copy-id localhost

ansible-playbook -i myhosts <playbookname.yml>

---

3. create ec2.py(Dynamic Inventory file) and ec2.ini(instructions file) as ansible user(gowtham)
4. change permissions of ec2.py and ec2.ini file with 755 and set as a global vars

$ chmod 755 ec2.py ec2.ini

$ export EC2_INI_PATH=/home/gowtham/dynamic/ec2.ini

$ export ANSIBLE_HOSTS=/home/gowtham/dynamic/ec2.py

$ ./ec2.py --list

ansible tag_Name_AnsibleNode -i ec2.py -u gowtham -m ping

5. create playbook (check webserver.yml)

anible-playbook -i ec2.py -u gowtham webserver.yml