***As root :***

useradd ansadmin

passwd ansadmin

visudo

vi /etc/ssh/sshd\_config

Service sshd restart

***As ansadmin :***

ssh-keygen

ssh-copy-id 13.235.243.132

ssh '13.235.243.132'

ssh 15.206.146.73

ssh-copy-id 15.206.146.73

ssh '15.206.146.73'

ssh-copy-id 13.233.252.35

ssh '13.233.252.35'

pwd

cd /home/ansadmin/

ls

tree /etc/ansible

yum install tree -y

sudo yum install tree -y

sudo tree /etc/ansible

cd /etc/ansadmin

cd /etc/ansible/

sudo vi hosts

ansible devops -m ping

ansible devops -m ping

sudo vi ansible.cfg

cd /home/ansadmin/

mkdir my\_ansible\_dir

cd my\_ansible\_dir/

cp -rRP /etc/ansible/\* .

ls

sudo chown -R ansadmin \*

ls -ltr

tree .

ansible devops -m ping

ansible dbservers -m shell -a "uptime"

ansible dbserver -m shell -a "uptime"

ansible dbserver:webserver -m shell -a "uptime"

ansible dbserver:webserver -m shell -a "free -m"

ANSIBLE\_KEEP\_REMOTE\_FILES=1 ansible dbserver:webserver -m shell -a "free -m"

ANSIBLE\_KEEP\_REMOTE\_FILES=1 ansible dbserver:webserver -m shell -a "uptime; sleep 5; echo hi"

ANSIBLE\_KEEP\_REMOTE\_FILES=1 ansible dbserver:webserver -m shell -a "uptime; sleep 15; echo hi"

vi ansible.cfg

ansible dbserver:webserver -m shell -a "uptime; sleep 15; echo hi"

vi ansible.cfg

ansible webserver -m fetch -a "src=~/aboutme dest=."

[ansadmin@ip-172-31-43-167 my\_ansible\_dir]$ tree .

.

├── 172.31.33.255

│   └── home

│   └── ansadmin

│   └── aboutme

├── ansible.cfg

ansible webserver -m copy -a "src=./ansible.cfg dest=~"

ansible webserver -m copy -a "content='Hi I am Webserver\n' dest=~/aboutme backup=true"

ansible webserver -m copy -a "content='Hi I am webserver\n' dest=~/aboutme"

ansible webserver -m fetch -a "src=~/aboutme dest=./ flat=yes"

ansible webserver -m file -a "path=~/testfile state=touch"

ansible webserver -m file -a "path=~/testdir state=directory mode='0777'"

ansible webserver -m file -a "path=~/testdir state=absent"

ansible webserver -m file -a "path=~/testfile state=absent"

ansible webserver -m file -a "path=/etc/testfile state=touch" -b

ansible webserver -m file -a "path=/etc/testfile state=absent" --list-hosts

ansible-inventory --list

ansible-inventory --graph

ansible localhost -m yum -a "name=git state=latest" -b

ansible localhost -a "uptime"

ansible localhost -a "ls>temp.txt"

ansible localhost -m shell -a "ls>temp.txt"

ansible webserver -m setup

ansible webserver -m setup -a "filter='ansible\_os\_family'"

ansible localhost -m debug -a "var=inventory\_hostname"

mkdir facts.d

sudo git --version

sudo git --version | awk '{print $3}'

vi git\_version.fact

#!/bin/bash

git\_version=$(git --version | awk '{print $3}')

echo "{\"GIT VERSION\" : \"${git\_version}\"}"

chmod 755 git\_version.fact

./git\_version.fact

sudo cp -rRP facts.d/git\_version.fact etc/ansible/facts.d/.

ansible localhost -m setup | grep -i git

ansible localhost -m setup -a "filter=ansible\_local"

ansible all -m file -a "path=/etc/ansible/facts.d state=directory" -b

ansible all -m copy -a "src=/etc/ansible/facts.d/git\_version.fact dest=/etc/ansible/facts.d/ mode='0755'" -b

ansible webserver -m setup -a "filter=ansible\_local" -b

ansible webserver -m setup -a "filter=ansible\_local" -b

Install boto for dynamic scripts

sudo yum install python-pip

sudo pip install boto

cd /etc/ansible/

sudo vi ec2.ini

sudo vi ec2.py

sudo chmod 755 ec2\*

ansible -i ec2.py ec2 -m ping

/etc/ansible/ec2.py –list

ansible -i ec2.py tag\_Name\_AnsibleNode\_Web -m ping

cd ~/my\_ansible\_dir/

ansible localhost -m raw -a "uptime"

ansible localhost -m ping -u ec2-user

ansible localhost -m debug -a "msg='This is a message'"

ansible localhost -m debug -a "var=inventory\_hostname"

ansible all -m debug -a "var=inventory\_hostname"

ansible all -m debug -a "var=inventory\_hostname\_short"

ansible localhost -m debug -a "var=groups"

ansible localhost -m debug -a "var=groups.keys()"

ansible-playbook FullModulesPlaybook1.yml -e "{'a' : 23 , 'b' : 'Hi from CL' , 'c': [3,4,5] , 'd' : {'one' : 1 , 'two': 2 }}" -e "@var3.yml" -t always

ansible-playbook FullModulesPlaybook1.yml -e "{'a' : 23 , 'b' : 'Hi from CL' , 'c': [3,4,5] , 'd' : {'one' : 1 , 'two': 2 }}" -e "@var3.yml" --skip-tags always

ansible-playbook FullModulesPlaybook1.yml -e "{'a' : 23 , 'b' : 'Hi from CL' , 'c': [3,4,5] , 'd' : {'one' : 1 , 'two': 2 }}" -e "@var3.yml" --list-tags

sudo yum install java

java -version

sudo yum install java-1.8.0-openjdk

alternatives --config java

aws --version

aws-cli/1.16.300 Python/2.7.16 Linux/4.14.173-137.229.amzn2.x86\_64 botocore/1.13.36

[ansadmin@ip-172-31-43-167 my\_ansible\_dir]$ aws configure

AWS Access Key ID [None]: <paste here>

AWS Secret Access Key [None]: <paste here>

Default region name [None]: ap-south-1

Default output format [None]:

[ansadmin@ip-172-31-43-167 my\_ansible\_dir]$

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-vault encrypt start\_ec2.yml

New Vault password:

Confirm New Vault password:

Encryption successful

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-vault decrypt start\_ec2.yml

Vault password:

Decryption successful

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-playbook start\_ec2.yml --ask-vault-pass

Vault password:

PLAY [Start instances] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-vault create test.yml

New Vault password:

Confirm New Vault password:

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-vault view test.yml

Vault password:

---

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-vault rekey test.yml

Vault password:

New Vault password:

Confirm New Vault password:

Rekey successful

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ sudo vi pass

[ansadmin@ip-172-31-43-167 playbooks\_aws]$ ansible-playbook test.yml --vault-id pass

cd my\_ansible\_dir/

ls

ansible-galaxy init roles

tree .

.

├── defaults

│   └── main.yml

├── files

├── handlers

│   └── main.yml

├── meta

│   └── main.yml

├── README.md

├── tasks

│   └── main.yml

├── templates

├── tests

│   ├── inventory

│   └── test.yml

└── vars

└── main.yml

8 directories, 8 files

├── tasks

│   └── main.yml

---

# tasks file for roles

- name:update\_repo

yum:

name: "\*"

state: latest