Lab for Ansible

1) Create 3 Ec2 machine name them as : Ansibleserver

Node1 and node2

2) Go to software Mobaxterm and there login into all the three machines

3) In Ansible machine :

sudo su

yum install https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm

yum update -y

yum install git python python-level python-pip openssl ansible -y

ansible --version

vi /etc/ansible/hosts

press i

In #Example1.....

[demo]

<<private ip of the machines>>

press esc :wq

vi /etc/ansible/ansible.cfg

press i

Remove # from inventory

Remove # from sudo su

esc and :wq

4) do this step in all the nodes and ansible machine

adduser ansible

passwd ansible

(now set the password)

visudo

press i

scroll down and find #All root to run any command ....

now there add

ansible ALL=(ALL) NOPASSWD: ALL (Add this below root)

5) Do this step in ansible server:

su - ansible

sudo yum install httpd -y

6) Do this step in ansible and node servers

vi /etc/ssh/sshd\_config

press i

in authentication,

uncomment Permit root login yes

(remove #)

scroll down and uncomment password authentication yes(by removing #)

and comment password authentication no

(by putting #)

7) do this for nodes and ansible server

service sshd restart

8)In ansible server:

su - ansible

ssh <<private ip of node1>>

touch fileinnode1 file1innode1

exit

Now go to node 1

ls

check if fileinnode1 and file1innode1 is there

Again come back to ansible server

ssh <<private ip of node2>>

touch fileinnode2 file1innode2

exit

Now go to node 2

ls

check if fileinnode2 and file1innode2 is there

###########################REMOVE PASSWORD AUTHENTICATION USING TRUST RELATIONSHIP#########################

9) Go to ansible server

ssh-keygen

ls -a

cd .ssh/

ls

ssh-copy-id ansible@<<private ip of node1>>

password : last time it will ask for pass

ssh-copy-id ansible@<<private ip of node1>>

password : last time it will ask for pass

cd ..

ssh <<private ip of node1>>

exit

ssh <<private ip of node 2>>

exit

##########################################HOST PATTERN###########################################

10) Do this in ansible machine

ansible all --list-hosts

ansible demo --list -hosts

################################################ADHOC COMMANDS ########################################

11) Go to ansible server

ansible demo -a "ls"

ansible all -a "touch fileinallnodes"

ansible demo -a "sudo yum install httpd -y"