ANSIBLE

1) Login into root user and create password in main server and nodes

2) Connect to nodes from main server using #ssh node(ip address)

3) Give permission to the root user and do password less authentication

4) Generate key and copy to the nodes

5) Install Ansible in main server name it as master

6) Configure Ansible with nodes

7) Here you use ad-hoc commands or we can write playbooks

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# --------> this symbol denotes root user

$ ---------> it denotes local or normal user

--> To check Hostname and IP address the command is ,

#hostname

#hostname -i and #hostname -f

#ip r

#ifconfig

**SSH CONNECTION :**

**-->First we have to login from local user to root user and set password for the root user.**

Step 1 : change root password

$ sudo su -- ( to switch to root user )

$ passwd username

Enter new password example root,

**-->We have to connect from main server to nodes so that we have to give permission to the root user.**

**CONFIGURE SSH FILES ,**

Step 2 :

vi /etc/ssh/sshd\_config

permit root login **Yes**

Password Authentication: **Yes**

( press ecs )

:wq!

After setuping ssh configuration we have to restart the ssh service,

**PASSWD METHOD ,**

-->Restart ssh service

>>To restart the ssh in ubuntu or debian machine the command is ,

**for ubuntu/debian :**

>> If it is Centos or redhat the command is ,

#service ssh restart

**for Redhat/Centos :**

#systemstl restart sshd

**HOW TO CONNECT FROM ONE MASTER TO NODE :**

master -------------> node

**#ssh node(ip address)**

if i hit this command it will ask node root user password if i enter then i will login into node from master only

THIS IS CALLED PASSWORD AUTHENTICATION Every time i can’t give password while i am connecting to nodes from main server

So that we have to do **PASSWORD LESS AUTHENTICATION**,

To do password less authentication i have to generate key and copy into the nodes

**ssh-keys (Secure Shell) Method :**

to generate key the command is , ssh-keygen

**To generate key pair ,**

#cd ~/.sh

#ssh-keygen

after hitting this ssh-keygen we have to give enter four times

if i hit ssh-keygen i will get two key private key and public key

**--> Now i have to copy Public key to other servers:**

the command is ,

#ssh-copy-id 192.168.33.10(node ip address)

**--> To connect to server**

#ssh 192.168.33.10(node ipaddress)

**HOW TO SEND A FILE OR DIRECTORIES TO OTHER SERVER :**

using scp ( secure copy ) command we can send a file to other servers the command is ,

#scp -r demo.txt 192.168.33.10:/tmp

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