1.To download ansibl packags

Wet for download packags frm web

wget <https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm>

epel package --- extra package for enterps linux (it download extra packgs, which not avlb in linux)

2. (to install downlded packgs)

yum install epel-release-latest-7.noarch.rpm

3. to update

yum update

(in this so any collections of softwrs packgs r there, so we can instll wt evrt we want frn this file)

4. to install wt evr we need sftwrs

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

aftr this we can chk weathr sftrwr install or nt by

which ansible

ansible –v

ansible –version

5. creat group for identifying the Nodes

# vi /etc/ansible/hosts (to edit hosts file and go to below location)

Enter Pvt IP of Nodes or node

*# Ex 1: Ungrouped hosts, specify before any group headers.*

*[nodes]*

*10.0.0.138*

Esc ---------🡪 :wq!

Here we grp creatd and tell our srver abut our grp

And it won’t wrk untill we chng configuration file

6. to change congi of ansible (update in hosts will wrk)

# vi /etc/ansible/ansible.cfg

If we type # it will not work that is calld comnted. If we want to wrk tht line we need to rmve # (un comntd).

*# some basic default values...*

*#inventory = /etc/ansible/hosts -----🡪 inventory = /etc/ansible/hosts.*

*#sudo\_user = root ----🡪 sudo\_user = root*

Now we grps ctreated and updted tht.

7. copmy don’t allo root usr, so we cret usrs and give primsns to tht usr

# adduser ansible (name wt we want to give)

# passwd ansible (name of the user)

*[root@ip-10-0-0-31 ec2-user]# adduser ansible*

*[root@ip-10-0-0-31 ec2-user]# passwd 1234*

*passwd: Unknown user name '1234'.*

*[root@ip-10-0-0-31 ec2-user]# passwd ansible*

*Changing password for user ansible.*

*New password:*

*BAD PASSWORD: The password is shorter than 8 characters*

*Retype new password:*

*passwd: all authentication tokens updated successfully.*

NODE 1 work on nodes

[ec2-user@ip-10-0-0-138 ~]$ sudo su

[root@ip-10-0-0-138 ec2-user]# adduser node1

[root@ip-10-0-0-138 ec2-user]# passwd node1

Changing password for user node1.

New password:

BAD PASSWORD: The password is shorter than 8 characters

Retype new password:

passwd: all authentication tokens updated successfully

8. now swith to usrs to in server and nodes

# Su - username

su - node

Last login: Sat Jun 5 05:12:08 UTC 2021 on pts/1

[node@ip-10-0-0-138 ~]$

9. In ansible

[ansible@ip-10-0-0-31 ~]$ touch file1

[ansible@ip-10-0-0-31 ~]$ ls

file1

[ansible@ip-10-0-0-31 ~]$ yum install httpd -y

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

You need to be root to perform this command.

[ansible@ip-10-0-0-31 ~]$ sudo yum install httpd -

We trust you have received the usual lecture from the local System

Administrator. It usually boils down to these three things:

#1) Respect the privacy of others.

#2) Think before you type.

#3) With great power comes great responsibility.

[sudo] password for ansible:

ansible is not in the sudoers file. This incident will be reported.

[ansible@ip-10-0-0-31 ~]$

If we trying to do this our ansible doesn’t hv rights to do sudo wrk, so we r taking th rihts

9.

# visudo

## Allow root to run any commands anywhere

root ALL=(ALL) ALL

ansible ALL=(ALL) NOPASSWD: ALL (now we gave ansible user to as a sudo usr)

same do in nodes to by changing the user name

node ALL=(ALL) NOPASSWD: ALL

10. Now do our wrk.

[root@ip-10-0-0-31 ec2-user]# su - ansible

Last login: Sat Jun 5 05:16:07 UTC 2021 on pts/1

[ansible@ip-10-0-0-31 ~]$ yum install httpd -y

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

You need to be root to perform this command.

[ansible@ip-10-0-0-31 ~]$ sudo yum install httpd -y

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

amzn2-core

ssh 10.0.0.138

# vi /etc/ssh/sshd\_config

# Authentication:

#LoginGraceTime 2m

#PermitRootLogin yes \_\_\_\_\_\_\_> PermitRootLogin yes

2.

# To disable tunneled clear text passwords, change to no here!

#PasswordAuthentication yes ------🡪 PasswordAuthentication yes

#PermitEmptyPasswords no

PasswordAuthentication no ---------🡪#PasswordAuthentication no

11.

# service sshd restart