Ansible Master and Agent setup

Deploy 2 instances in AWS. Name as master and Agent:

Master:

$sudo su

Make hostname change permanently:

Edit /etc/hostname file like below:

```
[root@master ec2-user]# cat /etc/hostname
master
```

$ reboot

Install ansible

sudo yum install epel-release

sudo yum install -y ansible

Edit /etc/ansible/ansible.cfg file like below

```
inventory        = /etc/ansible/hosts
#library          = /usr/share/my_modules/
#module_utils     = /usr/share/my_module_utils/
#remote_tmp       = ~/.ansible/tmp
#local_tmp        = ~/.ansible/tmp
#plugin_filters_cfg = /etc/ansible/plugin_filters.yml
#forks            = 5
#poll_interval    = 15
sudo user         = ansible
```


Edit /etc/ansible/host file like below with servers IP's

```
[agents]
52.14.108.35

[master]
52.14.108.34
```

Add ansible user:

useradd ansible

passwd ansible

Su ansible

Ssh-keygen -t rsa

Edit sshd_config file:

Make as root:

$sudo su

Edit 61 th line   **PasswordAuthentication no** to **PasswordAuthentication yes**

In **/etc/ssh/sshd_config** file like above

sudo systemctl restart sshd

Edit visduo file with Ansible user info

Make as root:

$sudo su

Edit visudo file in 101 line with below test

```
99 ## Allow root to run any commands anywhere
100 root     ALL=(ALL)        ALL
101 ansible ALL=(ALL)         NOPASSWD:ALL
```

<mark>Copy ID's from Master to slave & Master to Master :</mark>

Make as ansible user:

$ su ansible

$ ssh-copy-id ansible@slaveip

$ ssh-copy-id ansible@masterip

Agent:

Edit /etc/hostname file like below:

Sudo su

```
[root@master ec2-user]# vi /etc/hostname
agent
```

Reboot

Add ansible user:

useradd ansible

passwd ansible

Su ansible

Ssh-keygen -t rsa

Edit sshd_config file:

Make as root:

$sudo su

Edit 61 th line   **PasswordAuthentication no** to **PasswordAuthentication yes**

In **/etc/ssh/sshd_config** file like above

$ sudo systemctl restart sshd

Edit visduo file with Ansible user info

Make as root:

$sudo su

Edit visudo file in 101 line with below test

```
 99 ## Allow root to run any commands anywhere
100 root     ALL=(ALL)        ALL
101 ansible ALL=(ALL)         NOPASSWD:ALL
```

Ping:

$ansible all -m ping

File Transfer

$ansible servers -m copy -a "src=abc.txt dest=/home/ansible/abc.txt"

Installing Package:

$ansible servers -b -m yum -a "name=tree state=present"

Uninstalling Package:

$ansible servers -b -m yum -a "name=httpd state=absent"

Creating user:

$ansible all -b -m user -a "name=raju password=12345678"

Deleting user:

$ansible servers -b -m user -a "name=test state=absent"

Managing services:

$ansible servers -m service -a "name=httpd state=started"

Getting Facts:

$ansible all -m setup