

## ANSIBLE CONNECTION ON EC2 MACHINE

`sudo hostnamectl set-hostname master #change host name`  
`sudo -i`

`sudo apt update`  
`sudo su #change to super user and`  
`create user for ansible`  
`useradd -d /home/kimbicodes -m`  
`kimbicodes #username`  
`passwd kimbicodes #click enter`  
`to add password`  
`nano /etc/sudoers #add user to sudo`  
`file as seen below under root kimbicodes`  
`ALL=(ALL)`  
`NOPASSWD:ALL`

`allow people in group wheel kimbicodes`  
`ALL=(ALL) NOPASSWD:ALL`  
`SAVE`

`nano /etc/ssh/sshd_config #go here and make changes`  
`passwordauthentication yes #make it yes`  
`permitrootlogin yes #uncomment thhis line`  
`systemctl`  
`restart sshd #restart sshd`

### **step1: INSTALL ANSIBLE ON CONTROL MACHINE** sudo

hostnamectl set-hostname master #change host name

sudo -i

#!/bin/bash sudo apt update sudo apt install

software-properties-common sudo apt-add-

repository ppa:ansible/ansible sudo apt

update

sudo apt install ansible -y

### **FOR AMAZON LINUX**

amazon-linux-extras install ansible2

### **step2: INSTALL PYTHON ON SLAVE MACHINE**

#!/bin/bash sudo apt update sudo apt install python -y cd

.ssh #you should see authorized\_keys file in slave nano

.ssh #past public key copied from host machine step3:

### **CONFIGURE SSH ACCESS IN ANSIBLE HOST MACHINE**

cd .ssh #in host machine go to .ssh directory ls #you should see authorized\_keys

known\_hosts ssh-keygen #to generate a key for host machine ll /root/.ssh

#authorized\_keys id\_rsa id\_rsa.pub known\_hosts cat /root/.ssh/id\_rsa.pub #copy the

content and past in authorized keys in slave machine ssh slavemachinename@ipadress

#to connect to slave ssh ubuntu@ipAddress exit #to exit slave machine and go back to

host or master machine

#### **step4: SETTING UP ANSIBLE HOST AND TESTING CONNECTION**

**nano /etc/ansible/hosts #add groups of ip addresses in this file**

**[group\_name] #name of the group u want to put ur slaves slavename**

**ansible\_ssh\_host=ipAdress**

**[webserver]**

**54.86.222.148 ansible\_ssh\_user=ubuntu ansible\$private\_key\_file=/root/.ssh/id\_rsa.pub**

**44.202.251.68 ansible\_ssh\_user=ubuntu ansible\$private\_key\_file=/root/.ssh/id\_rsa.pub**

**3.85.231.80 ansible\_ssh\_user=ubuntu ansible\$private\_key\_file=/root/.ssh/id\_rsa.pub**

**ansible -m ping all ansible**

**-m ping webserver**

## **PLATBOOK TO INSTALL**

### **NGINX**

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```
- name: install nginx  hosts : webserver  become_user:
  root  become: yes
```

```
tasks: - name:
```

```
install nginx
```

```
  apt:
```

```
    name: nginx
```

```
      state: latest
```

```
- name: start nginx
```

```
  service:
```

```
    name: nginx
```

```
    state: started
```

```
ansible-playbook
```

```
demo.yml # to
```

```
run the playbook
```