

### **Q3. 1. HOW TO INSTALL ANSIBLE ON MASTER SERVER**

#### **2. HOW TO CONFIGURE SSH ACCESS TO AN ANSIBLE HOST**

#### **3. HOW TO SETTING UP ANSIBLE HOST AND TESTING CONNECTION**

##### **STEPS TO FOLLOW:**

1. Launch two instance and configure the security groups and review them in aws.

2. Name two instances differently like master and slave.

3. Connect to the putty server through ip address for 2 instances with keypair process

4. After successful connection update the master.

```
sudo apt-get update
```

5. Install Ansible :

```
sudo apt install software-properties-common
```

```
sudo apt-add-repository ppa:ansible/ansible
```

```
sudo apt update
```

```
sudo apt install ansible
```

For Host/slave

```
sudo apt-get update
```

```
sudo apt-get install python
```

6. Next Step is to configure SSH access to ansible host

Configure SSH access to ansible host

In the master:

ssh ubuntu@ip address if its restricted ,follow below steps

a) cd .ssh

b) ls

- c) `cat authorized_keys`
- d) `ssh-keygen`
- e) `cat id_rsa.pub`

Now copy the rsa key in the host nano editor

In host:

- a) `sudo nano authorized_keys`
- b) paste the key from master .

- Setting up Ansible Host and testing connection

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In master: `sudo nano /etc/ansible/hosts`

Inside nano editor:

[production]

Slave1 `ansible_ssh_host=<ip-address of the slave>`

`Ansible -m ping all`

## Commands For Reference:

### Install Ansible :

```
sudo apt-get update
```

```
sudo apt install software-properties-common
```

```
sudo apt-add-repository ppa:ansible/ansible
```

```
sudo apt update
```

```
sudo apt install ansible
```

### On Hosts:

```
sudo apt-get update
```

```
sudo apt-get install python
```

## Keyless SSH

```
On Master :ssh-keygen
```

### On slave:

```
Sudo nano .ssh/authorized_keys
```

```
[servers]
```

```
Host ansible_ssh_host=203.0.113.1
```

```
-----
```

```
-hosts: apache
```

```
sudo: yes
```

```
tasks:
```

```
-name :install apache2
```

```
apt:name=apache2 update_cache=yes state=latest
```

