

Installation of Ansible on Centos 7

1. `sudo -i`
2. Open `/etc/hostname` and enter `ansible.test.org` for server and `client.test.org` for client machine
3. Also set hostname `ansible.test.org`; exit and `sudo -i` again on server
4. Also set hostname `client.test.org`; exit and `sudo -i` again on client
5. Edit `/etc/hosts` file on server and client and add the IP address and hostname of both on both server and client

172.31.21.33 ansible.test.org

172.31.23.202 client.test.org

6. Ping the client from server and server from client.
7. Create a user 'test' with password 'test' on both server and client VMs

`useradd test`

`passwd test`

8. We need to have this user run `sudo` commands without entering password. Open `sudoers` and add the following text:

`vi /etc/sudoers`

`test ALL=(ALL) NOPASSWD: ALL`

9. Save the file and run the following command to check test user is at the end of the result

`cat /etc/passwd`

10. Go to server and client terminals and run the following:

`cd /etc/ssh`

`vi /etc/ssh/sshd_config`

Remove # from these

`PasswordAuthentication yes`

`PermitRootLogin yes`

`systemctl restart sshd`

11. Let's establish SSH connection by running this command on server and client

`su test -login`

12. We need to generate ssh certificates on server; press enter when prompted

`ssh-keygen`

`ssh-copy-id test@client.test.org`

`ssh-copy-id test@ansible.test.org`

13. Run the following command on server

```
ssh test@ansible.test.org
```

```
exit
```

```
ssh test@client.test.org
```

```
exit
```

14. Do all these steps on client also.

15. Now lets install Ansible on server and client VMs

```
sudo yum install -y epel-release
```

```
sudo yum install -y ansible
```

```
ansible --version
```

16. Now lets configure ansible hosts file on server

```
cd /etc/ansible
```

```
sudo mv hosts hosts.original
```

```
sudo vi hosts
```

```
[local]
```

```
ansible.test.org
```

```
[webserver]
```

```
client.test.org
```

17. Run the following command on server

```
ansible all -m ping
```

```
ansible all --list-hosts
```

```
ansible webserver -s -m shell -a 'yum list installed | grep python'
```