

Ansible Nodes ssh Configuration

Prerequisites

1. Ansible Master node = 1
2. Ansible Client nodes = 3
3. Username and password for master/Client We are using “devops user for all master & nodes”
4. Sudo permission to user please refer below url:
<https://www.digitalocean.com/community/tutorials/how-to-create-a-sudo-user-on-ubuntu-quickstart>.

We are using 2 machine as ansible host

1. Ansible Client1
Name = node1
IP = 13.251.51.26
2. Ansible Client2
Name = node2
IP = 18.136.185.168
3. Ansible Client3
Name = node3
IP = 3.0.42.21

SSH Key-Based Authentication

In order to have an passwordless connection between ansible master host and ansible client nodes, we need to copy ssh-key from master to nodes. Generating this pair is as easy as running ssh-keygen:

Steps to follow:

1. Login to Master node
2. Run command # **ssh-keygen**
3. Press Enter to Save the key on path “/home/devops/.ssh/id_rsa”
4. Press Twice Enter for no passphrase

As shown in below image.

```

devops@master:~$
devops@master:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/devops/.ssh/id_rsa):
Created directory '/home/devops/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/devops/.ssh/id_rsa.
Your public key has been saved in /home/devops/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:BWKB9bIYdeTJBb3Z1PTiAKDc0fW5LQIxJbmPJiqgMMw devops@master
The key's randomart image is:
+---[RSA 2048]---+
|      o*B=+oo.  |
|    .+ O =+=...o |
|    . + * o*. + .|
|      o o .+..o + |
|o    . . S  o. + .|
|oE.    . o . . . |
|.o .    . o      |
|.    . .          |
|      .          |
+-----[SHA256]-----+

```

Now copy Ansible master ssh-key on each target host, we want access to.

5. Copy Master ssh-key to node1, node2, node3.
ssh-copy-id (IP Of Node1)
6. Enter the user's password of node1 (In Lab we are using same user for all Machine)
7. Now try to do ssh to node1 it will take you to node1
ssh nodeIP
8. Enter **Exit**

```
devops@master:~$ ssh-copy-id 18.219.30.124
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/devops/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
devops@18.219.30.124's password:

Number of key(s) added: 1

Now try logging into the machine, with:  "ssh '18.219.30.124'"
and check to make sure that only the key(s) you wanted were added.

devops@master:~$ ssh 18.219.30.124
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.4.0-1070-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
```

9. Follow the same steps for all nodes and localhost
10. For local host type# **ssh-copy-id localhost**

Finished