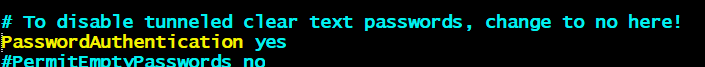
Ansible Setup

1. Create Controller Instance in AWS EC2

Edit inbound rules under Security Group, and add:

1. TCP 8080
2. HTTP
3. Create ManagedNode Instance in AWS EC2
4. Connect to Controller and ManagedNode separately
5. Goto ManagedNode and run the below commands:
6. *sudo apt-get update*
7. *sudo passwd ubuntu (give password as ubuntu)*
8. *sudo vim /etc/ssh/sshd\_config*

**

*Save and quit using Esc:wq*

1. *sudo service ssh restart*
2. Goto to Controller and run below commands
3. *sudo apt-get update*
4. *sudo apt-get install software-properties-common*
5. sudo apt-add-repository ppa:ansible/ansible
6. sudo apt-get update
7. sudo apt-get install -y ansible
8. *ansible –version*
9. *sudo ls /etc/ansible/*

*\*ensure hosts file is there*

1. ssh-keygen -t rsa -b 4096

It will ask for location, just press enter

It will ask for passphrase – give some text and remember it

1. sudo ls .ssh/ ( sudo ls -h /home/ubuntu/.ssh/)

ensure you have id\_rsa.pub file

1. sudo vim .ssh/id\_rsa.pub

Copy the entire content to a notepad so that it can be copied into .ssh/authorizedkeys file in ManagedNode

Looks like:

ssh- ubuntu@ip-172-31-4-180

1. Open ManagedNode and run the below commands

*sudo vim .ssh/authorized\_keys*

*Paste the rsa key in this file, and save it using Esc:wq*

1. To check whether ssh authentication is working run the below command

*ssh -v ubuntu@ManagedNode ip address*

*Once connected successfully, come out from using exit command*

1. Open Controller Node and edit the hosts file located at /etc/ansible/hosts using below command:

sudo vim /etc/ansible/hosts

add IP address of Managed node and save the file using Esc:wq

1. Now ready to run the ansible commands

ansible all -i /etc/ansible/hosts -m command -a 'free'

ansible all -i/etc/ansible/hosts -m command -a 'touch f1 f2 f3'

ansible all -m apt -a 'name=git state=present' -b

ansible all -m apt -a 'name=git state=absent' -b

ansible all -m apt -a 'name=tomcat8 state=present update\_cache=yes' -b (use tomcat9 )

ansible all -m file -a 'name=/tmp/file0 state=touch'