Ansible installation on AWS instance redhat

1. Check the AWS instance
   1. cat /etc/redhat-release

Red Hat Enterprise Linux Server release 7.2 (Maipo)

1. create a user in all the target servers and set the password
   1. useradd test
   2. passwd test
      1. it ask for the password, it sets the password.
2. Enable the permitRootLogin and passwordauthentication in the /etc/ssh/sshd-config file in all the instance.
   1. PermitRootLogin yes
   2. PasswordAuthentication yes
3. Restart the sshd service
   1. Systemctl restart sshd
4. generate ssh key and exchange with client and master servers vice versa
   1. to generate key type the below command
      1. ssh-keygen
   2. it ask for the pass pharse , enter the pass phrase and save it in the home directory.
   3. Copy the file into the client server and from client server to master . the private ip of the server where key has to be copied. (the reason for the private ip , it won’t change in the aws instance where s public dns or public ip will vary . but elastic ip won’t change . if you are in free tier, elastic ip will be chargable).
      1. Ssh-copy-id <private ip>
5. First install wget

sudo yum install wget

1. Check for the epel release repo exists in the server
   1. sudo subscription-manager repos –list
   2. or cd /etc/yum.repos.d/ and type ls , check epel. repo listed.
2. if it’s not there , Install epel \* rpm into the server
   1. wget [http://dl.fedoraproject.org/pub/epel/7/x86\_64/e/epel-release-7-8.noa rch.rpm](http://dl.fedoraproject.org/pub/epel/7/x86_64/e/epel-release-7-8.noa%20rch.rpm)
   2. sudo rpm -ivh epel-release-7-8.noarch.rpm
   3. sudo yum updte
3. enable ansible in the repo list and install ansible
   1. sudo yum --enablerepo=epel install ansible
4. check ansible installed .
   1. ansible –v
5. cd /etc/ansible/hosts file and add the client private ips there as [test servers]
   1. [testservers]
      1. <privateip1>
      2. <privateip2>

Ansible commands

Before executing commands check our /etc/ansible /hosts file ha entry of your target server. If not, create entry there

* Cd /etc/ansible
* Vim hosts
* [testservers]
* <ipaddress>

Save the file :wq!

Here my target server IP is mentioned under [testservers] .

1. Check your target server is reachable from your ansible master
   1. uma@ubuntu:/etc/ansible$ ansible all -m ping

Enter passphrase for key '/home/uma/.ssh/id\_rsa':

<IP address> | SUCCESS => {

"changed": false,

"ping": "pong"

}

1. Second command
   1. ansible all -a "/bin/echo hello"

<ip address> | SUCCESS | rc=0 >>

hello