https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop\_Start.html

https://www.bogotobogo.com/DevOps/AWS/aws\_creating\_an\_instance\_and\_attaching\_Amazon\_EBS\_volume\_to\_that\_instance\_bogo\_Python\_module.php

#!/bin/sh

curl -L https://us-west-2-aws-training.s3.amazonaws.com/awsu-spl/spl03-working-elb/static/bootstrap-elb.sh|sh

#!/bin/sh

yum -y install httpd php

chkconfig httpd on

/etc/init.d/httpd start

cd /var/www/html

wget https://us-west-2-aws-training.s3.amazonaws.com/awsu-spl/spl03-working-elb/static/examplefiles-elb.zip

unzip examplefiles-elb.zip

#!/usr/bin/ python

import boto3

ec2 = boto3.resource('ec2')

for instance in ec2.instances.all():

print instance.id, instance.state

mkdir -p ~/.aws/

vi ~/.aws/credentials

[default]

aws\_access\_key\_id = your\_key\_id

aws\_secret\_access\_key = your\_access\_key

output = json

region = eu-west-1

----------------------Ansible 18/11/2018-------------------------------------------------------------------------------------

1. Create a new file called 'ansible.repo' in

cd /etc/yum.repos.d

vi ansible.repo

Note: You need to be switch user as root to run above commands – sudo =s

2. Copy the following content into it:

[Ansible]

name = ansible

baseurl = https://releases.ansible.com/ansible/rpm/release/epel-7-x86\_64/

enabled = 1

gpgcheck = 0

3. Run 'yum update'

rpm -Uvh https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm

yum -y install ansible

ansible –version

cd /root/.ssh/

vi server1.pem

copy the .pem file content to server1.pem file

vi /etc/ansible/hosts

shift + g

i

[all]

172.31.1.2 ansible\_ssh\_private\_key\_file=/root/.ssh/server1.pem ansible\_ssh\_user=ec2-user

chmod 400 /root/.ssh/server1.pem

ansible -m ping all

ansible all -m raw -a 'sudo uptime'

ansible all -m raw -a "echo $SHELL"

-----------------24/11/2018----------------------------------------------------------------------------------------------------

#Login as root on Ansible controller

#mkdir -p /opt/ansible-demo

#cd /opt/ansible-demo

#vi sshcopy.yml

vi sshcopy.yml

---

- hosts: all

tasks:

- name: Execute SSH-keygen

command: ssh-keygen -y -t rsa -f /root/.ssh/id\_rsa -N ''

args:

creates: /root/.ssh/id\_rsa

delegate\_to: localhost

- name: Set Authorized key token from file

become: true

authorized\_key:

user: root

state: present

key: "{{ lookup('file', '/root/.ssh/id\_rsa.pub') }}"

syntax-check:

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ansible-playbook sshcopy.yml --syntax-check

Run Playbook

ansible-playbook sshcopy.yml -vv

25/11------------------------------------------------------------------------------

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- hosts: all

tasks:

- name: Print the ansible\_os\_family value

debug:

msg: '{{ ansible\_os\_family }}'

- name: Ensure the httpd package is updated

yum:

name: httpd

state: latest

become: True

when: ansible\_os\_family == 'RedHat'

- name: Ensure the apache2 package is updated

apt:

name: apache2

state: latest

become: True

when: ansible\_os\_family == 'Debian'

- name: start service

service: name=httpd state=started

register: output\_variable

- debug:

msg: '{{ output\_variable.state }}'

- hosts: all

tasks:

- name: Count processes running on the remote system

shell: ps | wc -l

register: remote\_processes\_number

- name: Print remote running processes

debug:

msg: '{{ remote\_processes\_number.stdout }}'

- name: Count processes running on the local system

shell: ps | wc -l

delegate\_to: localhost

register: local\_processes\_number

- name: Print local running processes

debug:

msg: '{{ local\_processes\_number.stdout }}'

--------------------nginx.yml------------------------------

- hosts: all

vars:

- MyMessage: "Welcome to Ansible world!"

- DBMessage: "Hello from MongoDB"

tasks:

- name: NGINX | Installing NGINX repo rpm

yum: name=http://nginx.org/packages/centos/7/noarch/RPMS/nginx-release-centos-7-0.el7.ngx.noarch.rpm

- name: NGINX | Installing NGINX

yum: name=nginx state=latest

- name: index.html copy

template: src=index.html.j2 dest=/usr/share/nginx/html/index.html

- name: NGINX | Starting NGINX

service: name=nginx state=started

--------------index.html.j2

<html>

<body>

<h1>Ansible Demo</h1>

<p>{{MyMessage}}</p>

<p>{{DBMessage}}</p>

<p>{{ hostvars[inventory\_hostname]['ansible\_default\_ipv4']['address'] }}</p>

----------2/Dec/2018 (GIT HUB)--- ------------------------

1. login to ansible controller machine

2. check if git is there "git --version"

3. if not install it

yum install git –y

4. mkdir –p /opt/devops

5. run >> git init --- to initialize git repository

6. go to /opt/devops

7. [root@ip-172-31-18-105 devops]# cp -r /opt/ansible-demo/ .

8. run >> git status

Will show all untracked files.

# Untracked files:

# (use "git add <file>..." to include in what will be committed)

#

# ansible-demo/

9. run >> “git add .”

10. run >> git status

Will show all files to be commited

# Changes to be committed:

# (use "git rm --cached <file>..." to unstage)

#

# new file: ansible-demo/apache.yml

# new file: ansible-demo/apache\_loop.yml

# new file: ansible-demo/apache\_process.yml

# new file: ansible-demo/apache\_start.yml

# new file: ansible-demo/apache\_start\_web.yml

# new file: ansible-demo/index.html.j2

# new file: ansible-demo/ngnix.yml

# new file: ansible-demo/sshcopy.yml

11. run >> git commit –m”My First Commit”

[master (root-commit) 8611271] My First Commit

Committer: root <root@ip-172-31-18-105.us-east-2.compute.internal>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

8 files changed, 133 insertions(+)

create mode 100644 ansible-demo/apache.yml

create mode 100644 ansible-demo/apache\_loop.yml

create mode 100644 ansible-demo/apache\_process.yml

create mode 100644 ansible-demo/apache\_start.yml

create mode 100644 ansible-demo/apache\_start\_web.yml

create mode 100644 ansible-demo/index.html.j2

create mode 100644 ansible-demo/ngnix.yml

create mode 100644 ansible-demo/sshcopy.yml

12. “git status”

Will show “nothing to commit, working directory clean”

13. go to git hub > your repositories > new

14. from local repos(linux) run below >>

“git remote add origin https://github.com/ruchisin/devops.git”

There are two ways to add local repository from local to GitHub

a) Through https --- this will require to give user\_name and pwd

b) Through ssh (in above command we are using https method)

14. run from linux : “git push -u origin master”

It will ask for git hub user\_name and password.

15. verify from github you can see your devops directory contains in github.

---- Git clone from git hub to local system (windows)

1. Go to windowd dir “C:\personal\_ruchi”

2. Right click “Git Bash Here”

3. Git bash console will open

4. Run >> “git clone https://github.com/ruchisin/devops.git”

url taken from github >> devops >> Clone or Download

5. from Git bash

6. cd devops

7. adding some file in devops folder in windows

8. Add this new file in git hub repository:

git add ansible-demo/Ansible.docx

9. git commit -m"commiting ansible document"

this will show some error so need to run below commands

10. Run below commands:

git config --global user.email "ruchisingh.june87@gmail.com"

git config --global user.name "ruchisin"

11. run >> git commit -m"commiting ansible document"

12. git push