**Day 13**

\*\***Ansible - modules**

$ ansible ad -u ec2-user -m command -a "date" –k

$ ansible ad -u ec2-user -m command -a "whoami" –k

If error occurred ( unreachwable type):

Bcoz there is chance that many of modules are not installed yet

$ ansible localhost -m command -a "date" –k

\*\*command module does not support >,<,/,|.

In this case use shell module

**Idempotency :**

it is used in ansible that check the module is present or not or which module is used for particular installation or any output based command

[root@ip-172-31-9-155 ~]# ansible localhost -m yum -a "name= httpd state=present"

For httpd service:

[root@ip-172-31-9-155 ~]# ansible localhost -m service -a "name=httpd state=started"

For copying the file from a dir to another one

[root@ip-172-31-9-155 ~]# ansible localhost -m copy -a "src=index.html dest=/var/www/html"

**Ansible adhoc commands :**

-m k baad sirf ek module laga skte hai.

\*\***PLAYBOOK :**

--a file consist of all modules used in ansible such as (shell,yum,service,copy..etc)

--it is made it **YAML(Y**et Another Markup Language)

--it contain 3 section

1. target (grap)

2 Variable

3 tasks

Steps

1. Create directory in ansible dir --$cd /etc/ansible mkdir playbook --cd playbooks
2. Create a file --first.yml
3. ---

- hosts: localhost #this is target section

tasks:

- command: whoami

- shell: cal

- yum: name=httpd state=present

4. [root@ip-172-31-9-155 playbooks]# ansible-playbook first.yml --syntax-check

5. [root@ip-172-31-9-155 playbooks]# ansible-playbook first.yml

**\*\*for any instance**

1. ---

- hosts: {instance name} #this is target section

Remote\_user: ec2-user

tasks:

- command: whoami

- shell: cal

- yum: name=httpd state=present

**Proway of writing;**

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- hosts: localhost #this is target section

tasks:

- name: running whoami command

command: whoami

- name: installing httpd software

yum: name=httpd state=installed

**To check about any module :**

$ansible-doc {module name0}

**To check modules in ansible**

-$ansible-doc -l | wc -l

**To run the yml file**

**$ansible-playbook finalpro.yml**

FUNCTION IN PYTHON

* Reusability of piece of code
* Two types – 1 –without name(**lambda)** 2- with name
* Syntax

--def hello() :

Print(“hello python”)

Print(3+5)

Print(“hii”)

* Call -hello()

**MODULE :-**

Place where libraries are stored and can also our own function file by copying it into -

Cd /usr/lib/python3.6/

|  |  |  |
| --- | --- | --- |
| AWSAccessKeyId=AKIAITPJ4YY5MD2WUHAA |  |  |
| AWSSecretKey=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 | | |