**ansible -i inv all --list-hosts [ ->> command] where i -> inventory**

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

hosts (2):

172.31.13.47

172.31.12.182

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

To use any ansible module like shell (‘m’) ->> denotes module

To access nodes : without signing in to nodes since ansible should have common username and password

To ping and pong :

$ **ansible all -i inv -m ping --extra-vars ansible\_user=centos -e ansible\_password=DevOps321**

3.83.4.84 | 172.31.0.225 | t2.micro | null

[ centos@ip-172-31-0-225 ~ ]$ ansible all -i inv -m ping --extra-vars ansible\_user=centos -e ansible\_password=DevOps321

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

172.31.12.182 | SUCCESS => {

"ansible\_facts": {

"discovered\_interpreter\_python": "/usr/bin/python"

},

"changed": false,

"ping": "pong"

}

172.31.13.47 | SUCCESS => {

"ansible\_facts": {

"discovered\_interpreter\_python": "/usr/bin/python"

},

"changed": false,

"ping": "pong"

}

To execute shell on all nodes

**ansible all -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 -m shell -a “df -h”**

3.83.4.84 | 172.31.0.225 | t2.micro | null

[ centos@ip-172-31-0-225 ~ ]$ ansible all -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 -m shell -a "df -h"

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

172.31.12.182 | CHANGED | rc=0 >>

Filesystem Size Used Avail Use% Mounted on

devtmpfs 472M 0 472M 0% /dev

tmpfs 495M 0 495M 0% /dev/shm

tmpfs 495M 13M 482M 3% /run

tmpfs 495M 0 495M 0% /sys/fs/cgroup

/dev/xvda1 8.0G 1.2G 6.9G 15% /

tmpfs 99M 0 99M 0% /run/user/1000

172.31.13.47 | CHANGED | rc=0 >>

Filesystem Size Used Avail Use% Mounted on

devtmpfs 472M 0 472M 0% /dev

tmpfs 495M 0 495M 0% /dev/shm

tmpfs 495M 13M 482M 3% /run

tmpfs 495M 0 495M 0% /sys/fs/cgroup

/dev/xvda1 8.0G 1.2G 6.9G 15% /

tmpfs 99M 0 99M 0% /run/user/1000

Playbook :

44.195.2.158 | 172.31.12.250 | t2.micro | https://github.com/kyogalakshmi/Demo.git

[ centos@ip-172-31-12-250 ~/Demo/New/Ansible ]$ ansible-playbook -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 sample.yaml

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

PLAY [Play1] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.5.129]

ok: [172.31.6.246]

TASK [Printing Hello form play1] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246] => {

"msg": "Hello from play1 of task 1"

}

ok: [172.31.5.129] => {

"msg": "Hello from play1 of task 1"

}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

172.31.5.129 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

172.31.6.246 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

With CMD LINE :

44.195.2.158 | 172.31.12.250 | t2.micro | https://github.com/kyogalakshmi/Demo.git

[ centos@ip-172-31-12-250 ~/Demo/New/Ansible ]$ ansible-playbook -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 -e Var=I\_am\_from\_Prod\_env vars.yaml

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

PLAY [Play1] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246]

ok: [172.31.5.129]

TASK [Printing Hello form play1] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246] => {

"msg": "task.gmail.com"

}

ok: [172.31.5.129] => {

"msg": "task.gmail.com"

}

PLAY [Play2] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.5.129]

TASK [Printing Hello form play2] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.5.129] => {

"msg": "I\_am\_from\_Prod\_env"

}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

172.31.5.129 : ok=4 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

172.31.6.246 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

**Variable Precedence :**  # Precedence of variable

       # commandline - Local - external File - Global

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**-m setup :** to check the list of machines having the cpu , all properties is in JSON format

Cmd : ansible all -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 -m setup

A screenshot of a computer

Description automatically generated

* Facts : With Ansible you can retrieve or discover certain variables containing information about your remote systems or about Ansible itself. Variables related to remote systems are called facts. With facts, you can use the behavior or state of one system as configuration on other systems.

[ centos@ip-172-31-12-250 ~/Demo/New/Ansible ]$ ansible-playbook -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 facts.yaml

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

PLAY [Demo on using facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246]

ok: [172.31.5.129]

TASK [Printing the fact] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246] => {

"msg": "CentOS"

}

ok: [172.31.5.129] => {

"msg": "CentOS"

}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

172.31.5.129 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

172.31.6.246 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

Shell Module is the last priority

Shell Module : ansible.builtin.shell

[ centos@ip-172-31-12-250 ~/Demo/New/Ansible ]$ ansible-playbook -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 shell.yaml

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

PLAY [Demo on using Shell module] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246]

ok: [172.31.5.129]

TASK [Demo on using Shell module] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [172.31.6.246]

changed: [172.31.5.129]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

172.31.5.129 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

172.31.6.246 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

**By default : it will noy show the uptime results in cmd , hence “register” is used**

**Register : <<var name>>**

- name: Demo on using Shell module

  hosts: all

  tasks:

    - name: Demo on using Shell module

      ansible.builtin.shell: uptime

      register: OUT

    - name: Demo on using Shell module

      ansible.builtin.debug:

       msg: "{{OUT}}"

A screenshot of a computer

Description automatically generated

To print specific values : A screen shot of a computer

Description automatically generated with low confidence

A picture containing text, screenshot, font, line

Description automatically generated

**To print and preserve the variable :**

A screenshot of a computer program

Description automatically generated with low confidence

A picture containing text, screenshot, font, software

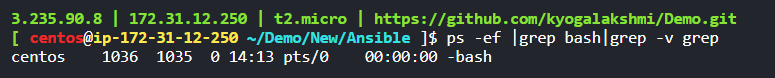
Description automatically generated

INT :To Show whether Tomcat server is running or not :

A screen shot of a computer

Description automatically generated with medium confidence

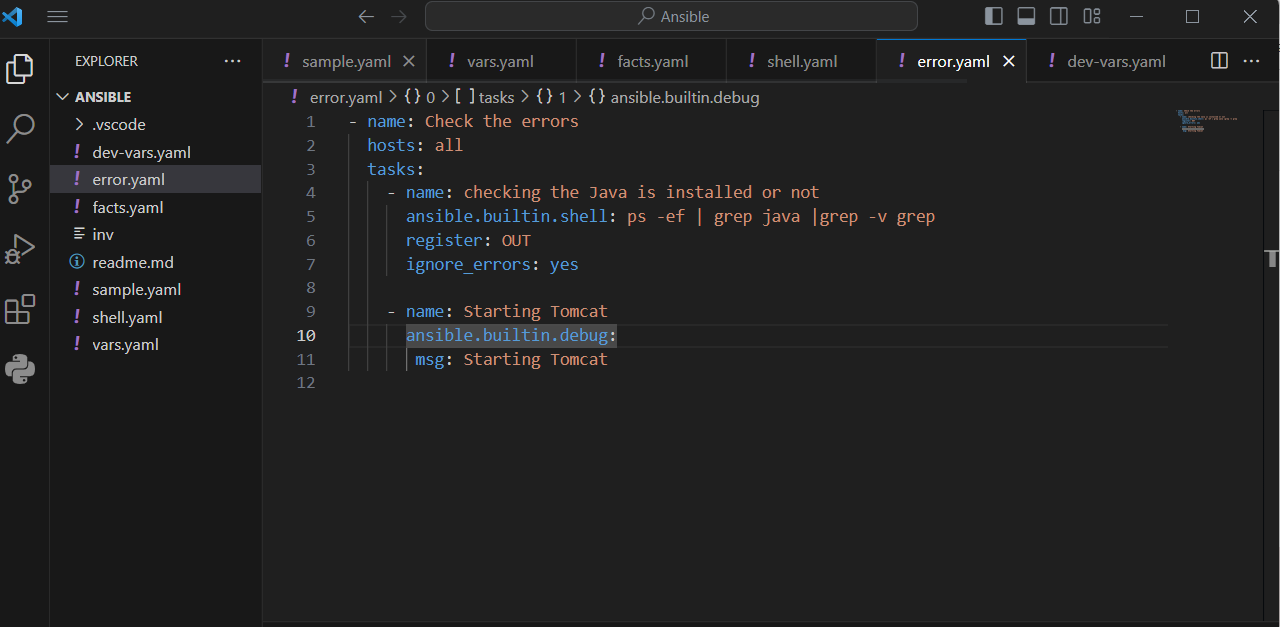
To check java is running or not :--- | grep -v grep ->> to ignore grep process running

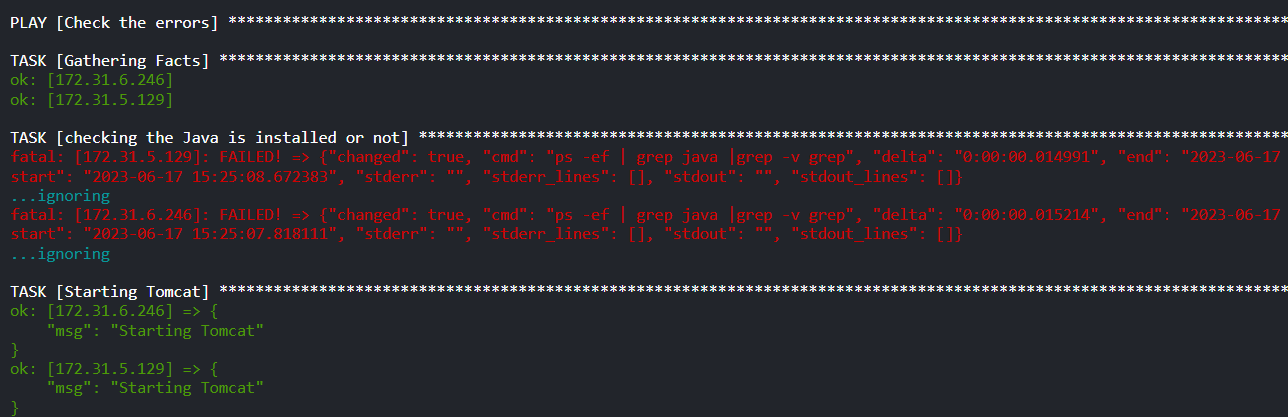
Eg : checking bash is there or not ->> 

To ignore Errors in ansible :

By default , if one step is errored it won’t execute next step

**To make it possible , ignore\_errors: yes should be added**

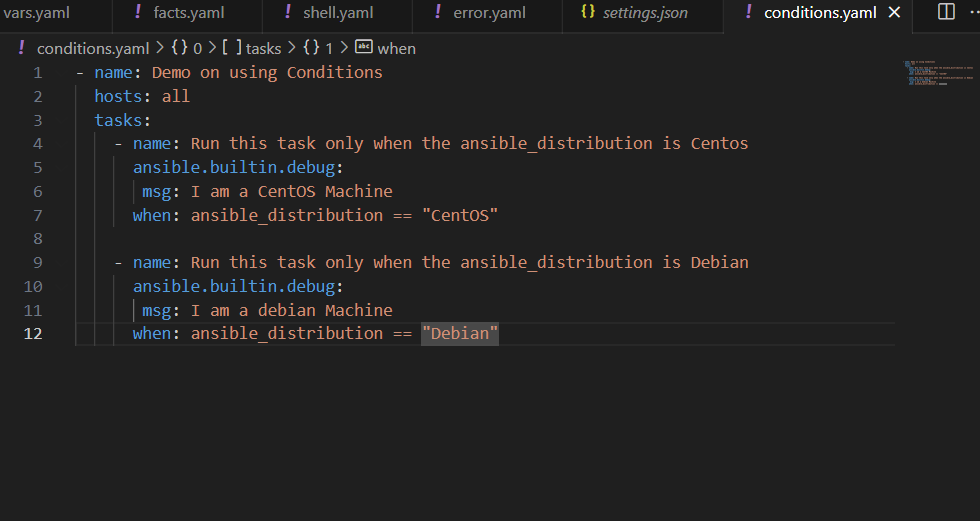




Now it is ignored the first step , hence it was ignored =1

**Conditions in Ansible :**

**When:**

****

**A screen shot of a computer program

Description automatically generated with low confidence**

**It is Skipped in Debian**

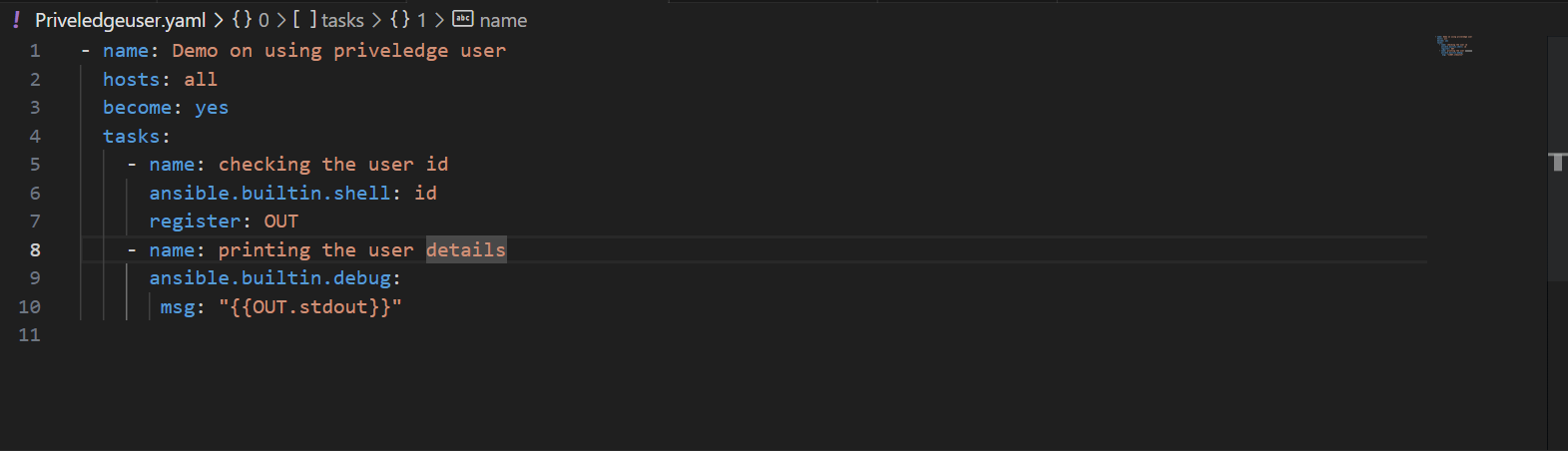
**Multiple Tasks : using tags ->> highly used inter ques**

**Using tags – specific task can be executed based on tags**

**A picture containing text, software, line, multimedia software

Description automatically generated**

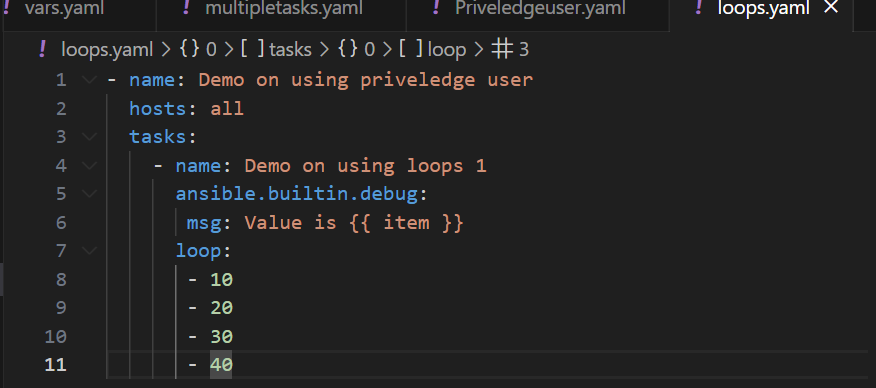
**Priveledge escalation ->> become : yes ( where task is executed as root user like root user)**

****

**A screenshot of a computer

Description automatically generated with medium confidence**

**Loops :**

****

**A picture containing text, screenshot

Description automatically generated**

**Install :**

- name: Demo on using install module

  hosts: all

  tasks:

    - name: Install nginx

      ansible.builtin.package:

       name: nginx

       state: present

**builin.package – module will install the pkg in all types of linux based machines**

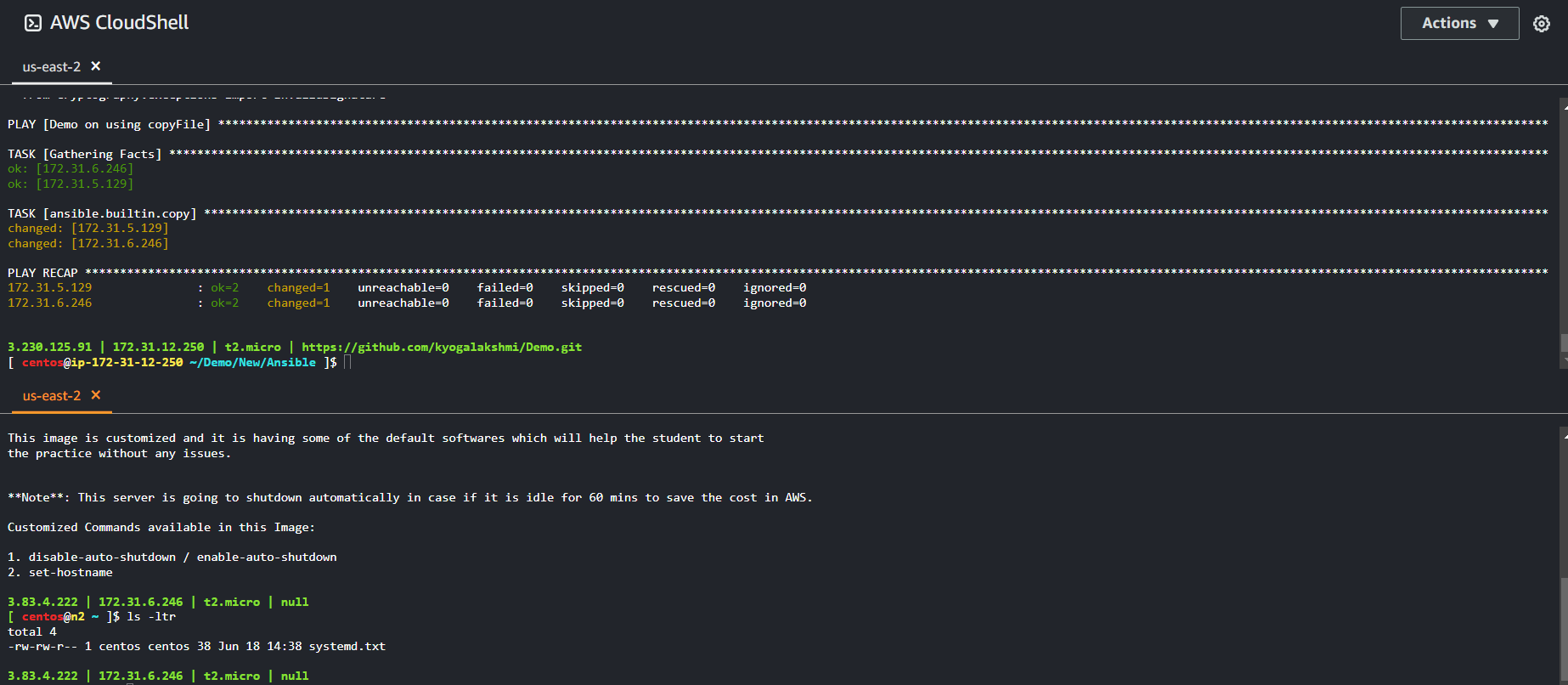
**‘state’ is going to instal the pkg**

**A picture containing screenshot, text, line, software

Description automatically generated**

**When copy from remote to local ->> builtin.fetch – imp inter ques**

**Copy from source(local) to dest(remote) ->>> builtin.copy**

****

**A picture containing text, screenshot, multimedia software, software

Description automatically generated**

**Vault:**

Encrypt a password : **ansible-vault encrypt\_string pass123**

A screenshot of a computer program

Description automatically generated with low confidence

To decrypt a password :

3.230.125.91 | 172.31.12.250 | t2.micro | https://github.com/kyogalakshmi/Demo.git

[ centos@ip-172-31-12-250 ~/Demo/New/Ansible ]$ **ansible-playbook -i inv -e ansible\_user=centos -e ansible\_password=DevOps321 vault.yaml --ask-vault-password**

/usr/local/lib/python3.6/site-packages/ansible/parsing/vault/\_\_init\_\_.py:44: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore, support for it is deprecated in cryptography. The next release of cryptography will remove support for Python 3.6.

from cryptography.exceptions import InvalidSignature

Vault password:

PLAY [Demo on secret encryption on playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246]

TASK [demo on secret] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [172.31.6.246] => {

"msg": "PASSWORD is pass123"

}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

172.31.6.246 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

**Roles in Ansible : very important topic in ansible**

**Ansible Role directory structure :**

roles/

common/ *# this hierarchy represents a "role"*

tasks/ *#*

main.yml *# <-- tasks file can include smaller files if warranted*

handlers/ *#*

main.yml *# <-- handlers file*

templates/ *# <-- files for use with the template resource*

ntp.conf.j2 *# <------- templates end in .j2*

files/ *#*

bar.txt *# <-- files for use with the copy resource*

foo.sh *# <-- script files for use with the script resource*

vars/ *#*

main.yml *# <-- variables associated with this role*

defaults/ *#*

main.yml *# <-- default lower priority variables for this role*

meta/ *#*

main.yml *# <-- role dependencies*

library/ *# roles can also include custom modules*

module\_utils/ *# roles can also include custom module\_utils*

lookup\_plugins/ *# or other types of plugins, like lookup in this case*

webtier/ *# same kind of structure as "common" was above, done for the webtier role*

monitoring/ *# ""*

fooapp/ *# ""*