

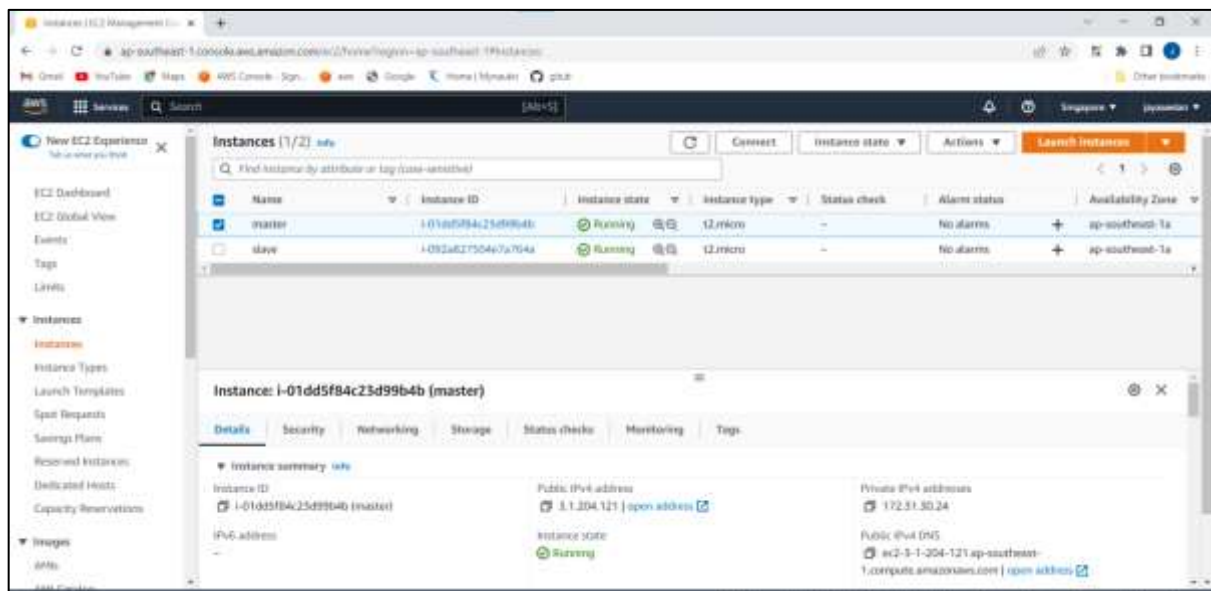
# ANSIBLE PLAYBOOK

Execute multiple tasks at the same time in the slave servers using .yaml scripts

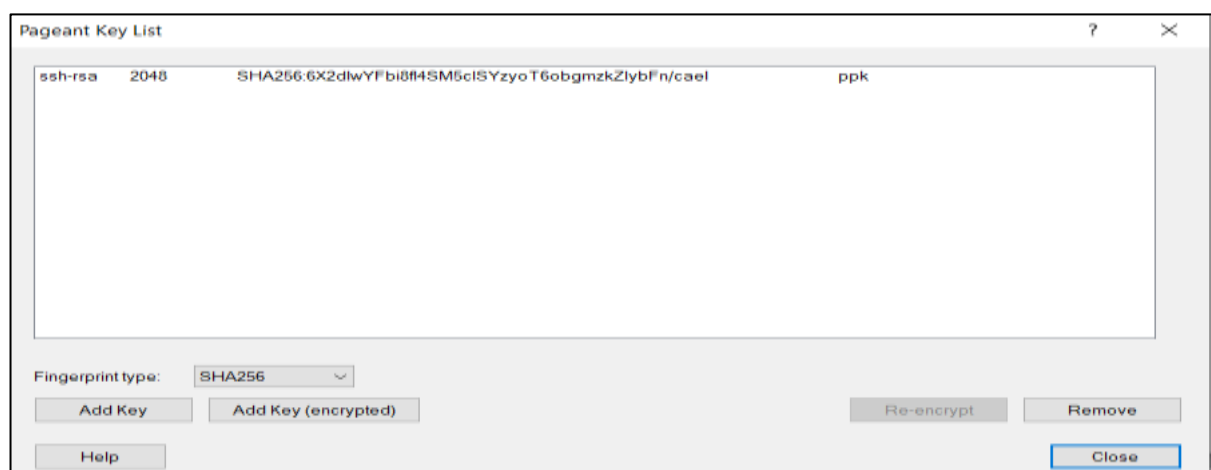
## Steps To Create Playbook

### **Step1:**Launch Two Ec2 Linux Server At A Time

1.name(master),2.name(slave)--->key (ppk)--->security (all tcp)--->launch instance



### **Step2:**Key Add To Pageant



### Step3:Login Master Server

Putty --->host(public ip) ---->auth(click allow agent forwarding) --  
->open



```
ec2-user@ip-172-31-30-24:~$ login as: ec2-user
Authenticating with public key 'ppk' from agent

      _ _ _ _ _
     /   _   \
    /___/___\
   /___/___\

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
ec2-user@ip-172-31-30-24 ~]$
```

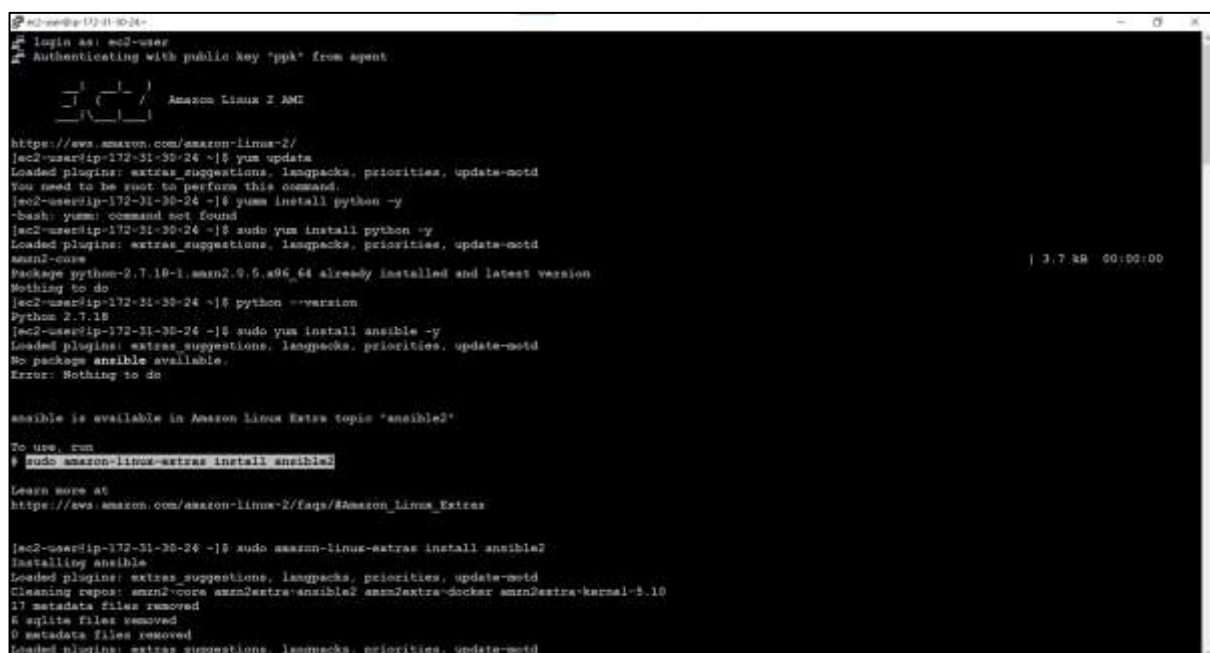
### Step4:Install Python And Ansible Use Yum

#sudo yum install python -y --->it shown already install so  
version check

#python --version

#sudo yum install ansible -y --->can't install ansible it will shown  
alternate command to use install ansible

# sudo amazon-linux-extras install ansible2



```
ec2-user@ip-172-31-30-24:~$ login as: ec2-user
Authenticating with public key 'ppk' from agent

      _ _ _ _ _
     /   _   \
    /___/___\
   /___/___\

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
ec2-user@ip-172-31-30-24 ~]$ yum update
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
You need to be root to perform this command.
ec2-user@ip-172-31-30-24 ~]$ yum install python -y
-bash: yum: command not found
ec2-user@ip-172-31-30-24 ~]$ sudo yum install python -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amazon2-core
Package python-2.7.18-1.amzn2.9.5.a96_64 already installed and latest version
Nothing to do
ec2-user@ip-172-31-30-24 ~]$ python --version
Python 2.7.18
ec2-user@ip-172-31-30-24 ~]$ sudo yum install ansible -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No package ansible available.
Error: Nothing to do

ansible is available in Amazon Linux Extra topic 'ansible2'

To use, run
# sudo amazon-linux-extras install ansible2

Learn more at
https://aws.amazon.com/amazon-linux-2/faqs/#Amazon_Linux_Extras

ec2-user@ip-172-31-30-24 ~]$ sudo amazon-linux-extras install ansible2
Installing Ansible
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-ansible2 amzn2extra-docker amzn2extra-kernel-5.10
17 metadata files removed
6 sqlite files removed
0 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
```

Ansible - -version --->check version

## Now we get host inventory file and configuration file

```
#cd /etc/ansible/
```

```
#ll ---->it will shown ansible.cfg and hosts that move to /home/ec2-user/
```

```
# sudo mv ansible.cfg hosts /home/ec2-user/
```

```
#cd .. --->ec2-user
```

```
#ll --->shown ansible.cfg and hosts
```

```
python version = 2.7.18 (default, May 25 2022, 14:30:51) [GCC 7.3.1 20180712 (Red Hat 7.3.1-15)]
[ec2-user@ip-172-31-30-24 ~]$ cd /etc/ansible
[ec2-user@ip-172-31-30-24 ansible]$ ll
total 24
-rw-r--r-- 1 root root 19985 Jul  1  2021 ansible.cfg
-rw-r--r-- 1 root root 1016 Jul  1  2021 hosts
drwxr-xr-x 2 root root   6 Jul  1  2021 roles
[ec2-user@ip-172-31-30-24 ansible]$ mv ansible.cfg hosts /home/ec2-user/
mv: cannot move 'ansible.cfg' to '/home/ec2-user/ansible.cfg': Permission denied
mv: cannot move 'hosts' to '/home/ec2-user/hosts': Permission denied
[ec2-user@ip-172-31-30-24 ansible]$ sudo mv ansible.cfg hosts /home/ec2-user/
[ec2-user@ip-172-31-30-24 ansible]$ cd /ec2-user
-bash: cd: /ec2-user: No such file or directory
[ec2-user@ip-172-31-30-24 ansible]$ cd /ec2-user/
-bash: cd: /ec2-user/: No such file or directory
[ec2-user@ip-172-31-30-24 ansible]$ cd ..
[ec2-user@ip-172-31-30-24 etc]$ cd ..
[ec2-user@ip-172-31-30-24 /]$ cd ~
[ec2-user@ip-172-31-30-24 ~]$ ll
total 24
-rw-r--r-- 1 root root 19985 Jul  1  2021 ansible.cfg
-rw-r--r-- 1 root root 1016 Jul  1  2021 hosts
[ec2-user@ip-172-31-30-24 ~]$
```

## Step4: Setup Slave With Python

```
#vi ansible.cfg ----> #host_key_checking = False
```

Remove # ---->save:wq!

```
#vi hosts ---->all line remove using esc+:+%d
```

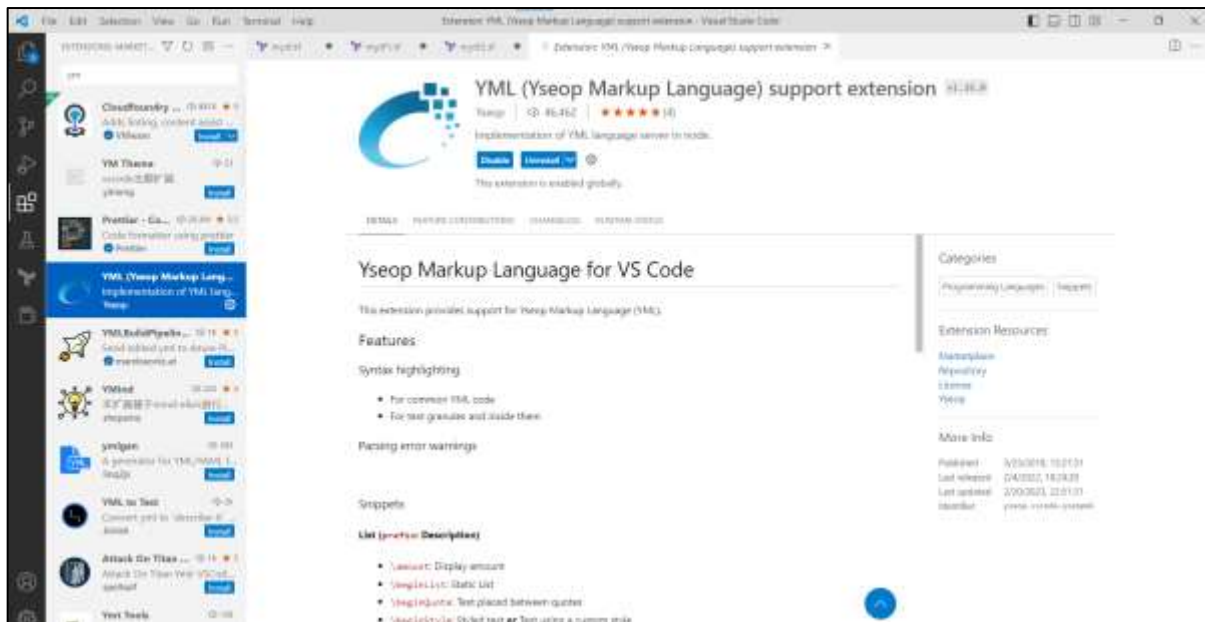
```
---->add slave server private ip
```

```
[ec2-user@ip-172-31-30-24 etc]$ cd ..
[ec2-user@ip-172-31-30-24 ~]$ cd ~
[ec2-user@ip-172-31-30-24 ~]$ ll
total 24
-rw-r--r-- 1 root root 19985 Jul  1  2021 ansible.cfg
-rw-r--r-- 1 root root 1016 Jul  1  2021 hosts
[ec2-user@ip-172-31-30-24 ~]$ vi ansible.cfg
[ec2-user@ip-172-31-30-24 ~]$ vi hosts
[ec2-user@ip-172-31-30-24 ~]$
[ec2-user@ip-172-31-30-24 ~]$ cat hosts
172.31.23.89
[ec2-user@ip-172-31-30-24 ~]$
```

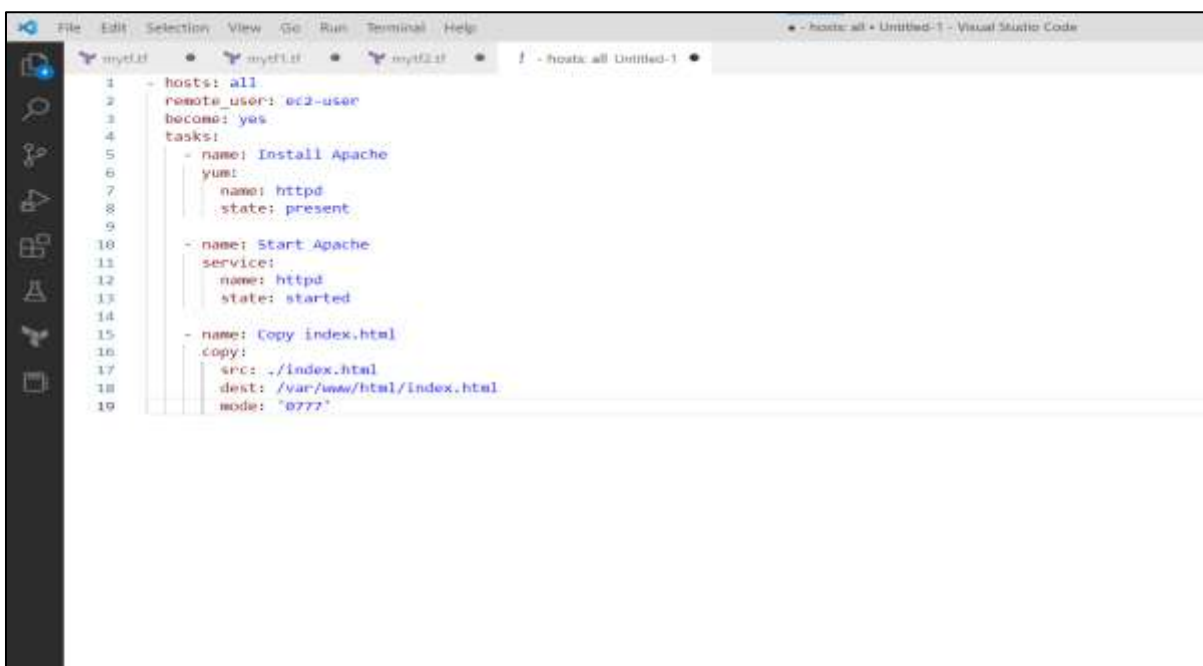
## Step5:Create Playbook

### 1.install apache ,start apache and add index file

Open visual studio code install yml and ansible

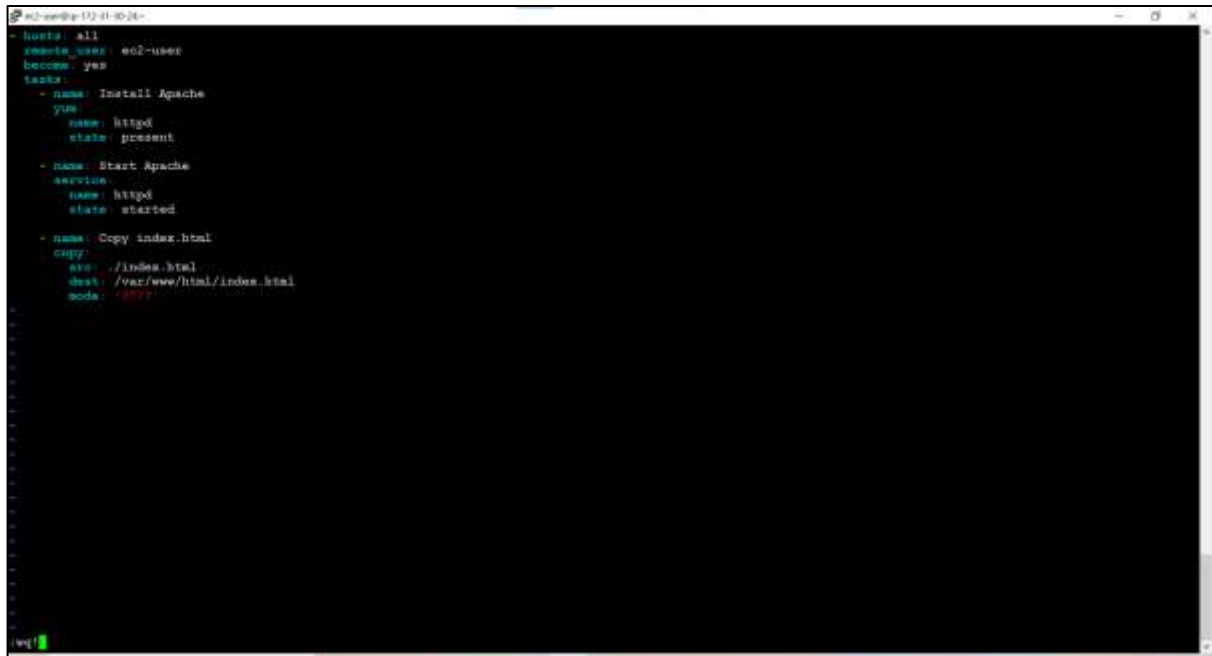


File --->new--->select language --->yml-->put codes



Now code copy and put master server

#Vi apache.yml --->put code and save :wq!



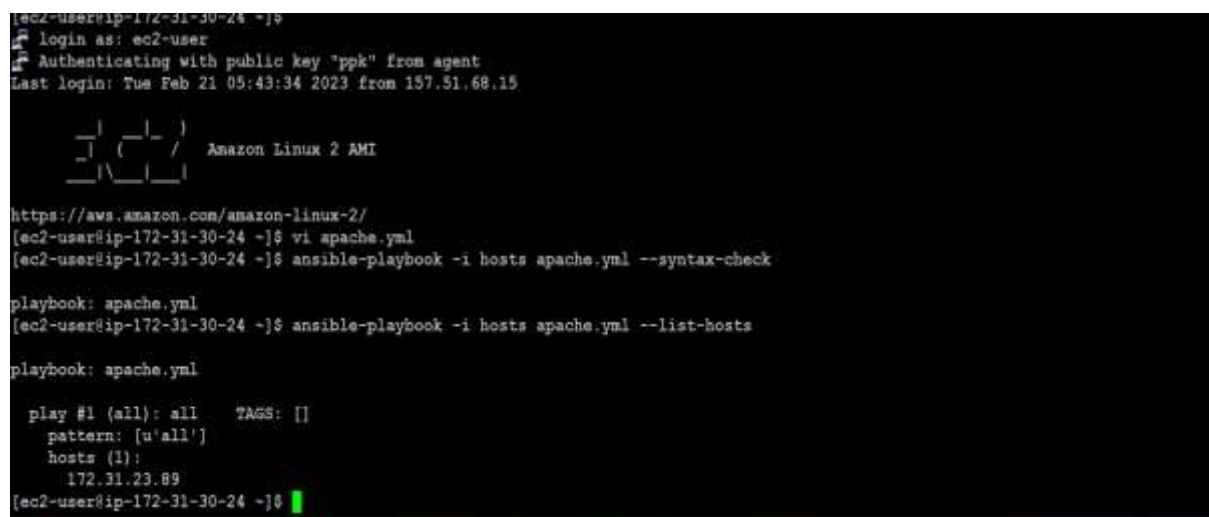
```
ec2-user@ip-172-31-30-24:~$ cat apache.yml
- hosts: all
  remote_user: ec2-user
  become: yes
  tasks:
    - name: Install Apache
      yum:
        name: httpd
        state: present
    - name: Start Apache
      service:
        name: httpd
        state: started
    - name: Copy index.html
      copy:
        src: ./index.html
        dest: /var/www/html/index.html
        mode: 0777
```

## Syntax check

#ansible-playbook -i hosts apache.yml --syntax-check

## List of hosts check

#ansible-playbook -i hosts apache.yml --list-hosts --->it use for chec how many user in connect master server



```
[ec2-user@ip-172-31-30-24 ~]$
login as: ec2-user
Authenticating with public key "ppk" from agent
Last login: Tue Feb 21 05:43:34 2023 from 157.51.68.15

 _ _ | _ _ | _ _ |
 _ _ | _ _ | _ _ | Amazon Linux 2 AMI
 _ _ | _ _ | _ _ |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-30-24 ~]$ vi apache.yml
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts apache.yml --syntax-check

playbook: apache.yml
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts apache.yml --list-hosts

playbook: apache.yml

play #1 (all): all TAGS: []
pattern: [u'all']
hosts (1):
172.31.23.89
[ec2-user@ip-172-31-30-24 ~]$
```

## Run playbook

#ansible-playbook -i hosts apache.yml

```
playbook: apache.yml
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts apache.yml --list-hosts

playbook: apache.yml
  play #1 (all): all    TAGS: {}
    pattern: [u'all']
    hosts (1):
      172.31.23.89
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts apache.yml

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered python interpreter at /usr/bin/python, but future installation of another python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [Install Apache] *****
changed: [172.31.23.89]

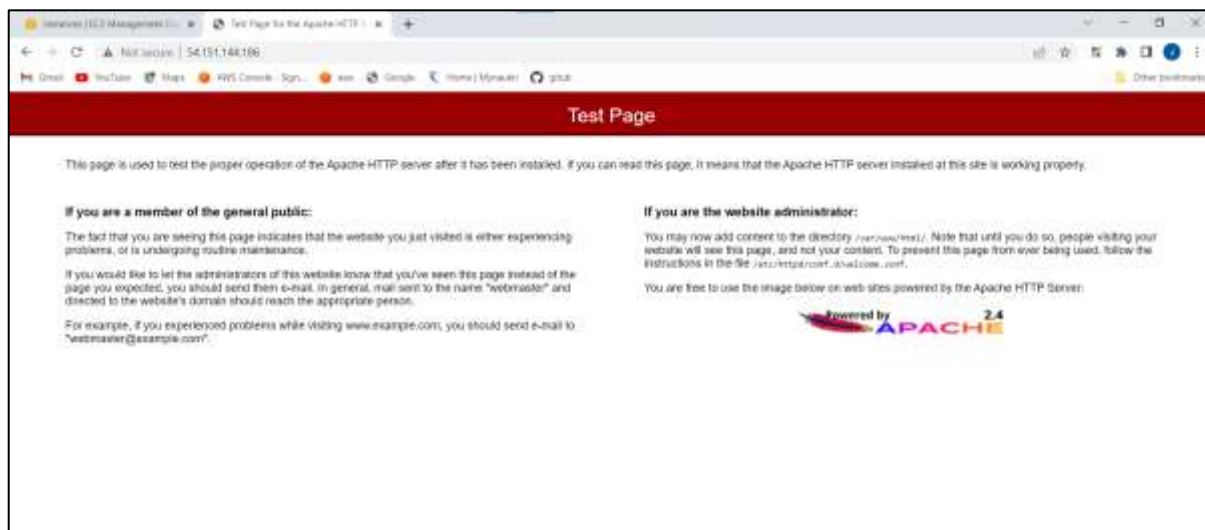
TASK [Start Apache] *****
changed: [172.31.23.89]

TASK [Copy index.html] *****
An exception occurred during task execution. To see the full traceback, use -vvv. The error was: IOError: [Errno 2] No such file or directory: '/usr/share/doc/
apache-2.4.18-1ubuntu4/examples/htdocs/index.html'. Failed to copy file from local host to remote host.
fatal: [172.31.23.89] FAILED! => (changed=0) (failed=1) (skipped=0) (rescued=0) (ignored=0)
PLAY RECAP *****
172.31.23.89      : ok=3    changed=2    unreachable=0    failed=1    skipped=0    rescued=0    ignored=0

[ec2-user@ip-172-31-30-24 ~]$
```

One error will shown that error is can't create **index file**

Now slave server public ip put chrome apache page open



Now create index file

#vi index .html --->hi this is my first playbook --->save:wq!

Again run

```
#ansible-playbook -i hosts apache.yml
```

```
Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-30-24 ~]$ vi index.html
[ec2-user@ip-172-31-30-24 ~]$ cat index.html
hi this is my first playbook
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts apache.yml

PLAY [all] *********************************************************************

TASK [Gathering Facts] *********************************************************
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [Install Apache] **********************************************************
ok: [172.31.23.89]

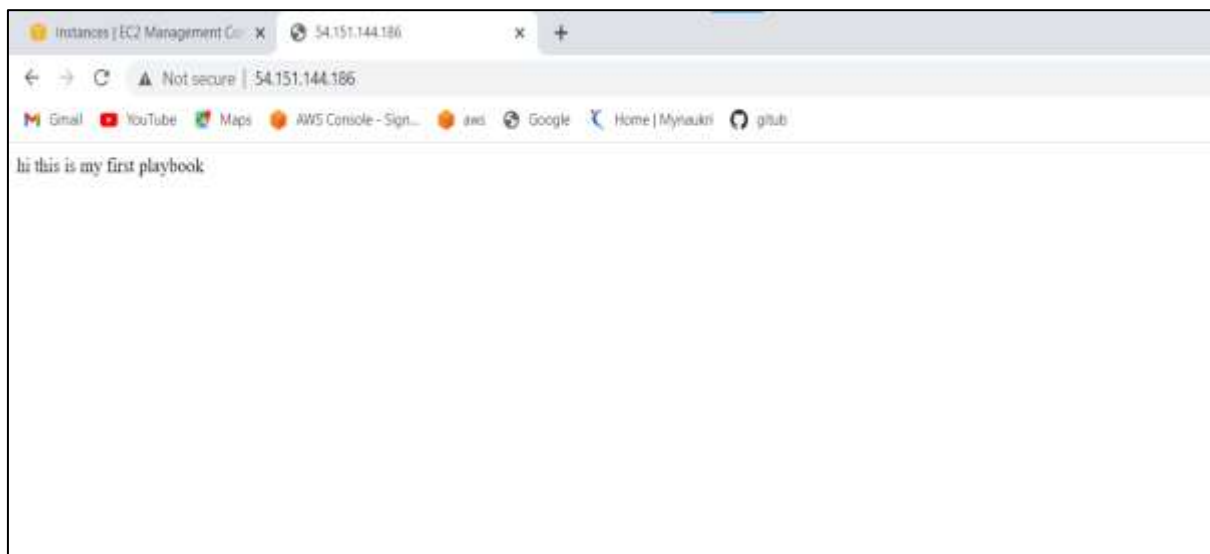
TASK [Start Apache] ***********************************************************
ok: [172.31.23.89]

TASK [Copy index.html] ********************************************************
changed: [172.31.23.89]

PLAY RECAP *********************************************************************
172.31.23.89      : ok=4   changed=1   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0

[ec2-user@ip-172-31-30-24 ~]$
```

Now public ip put chrome





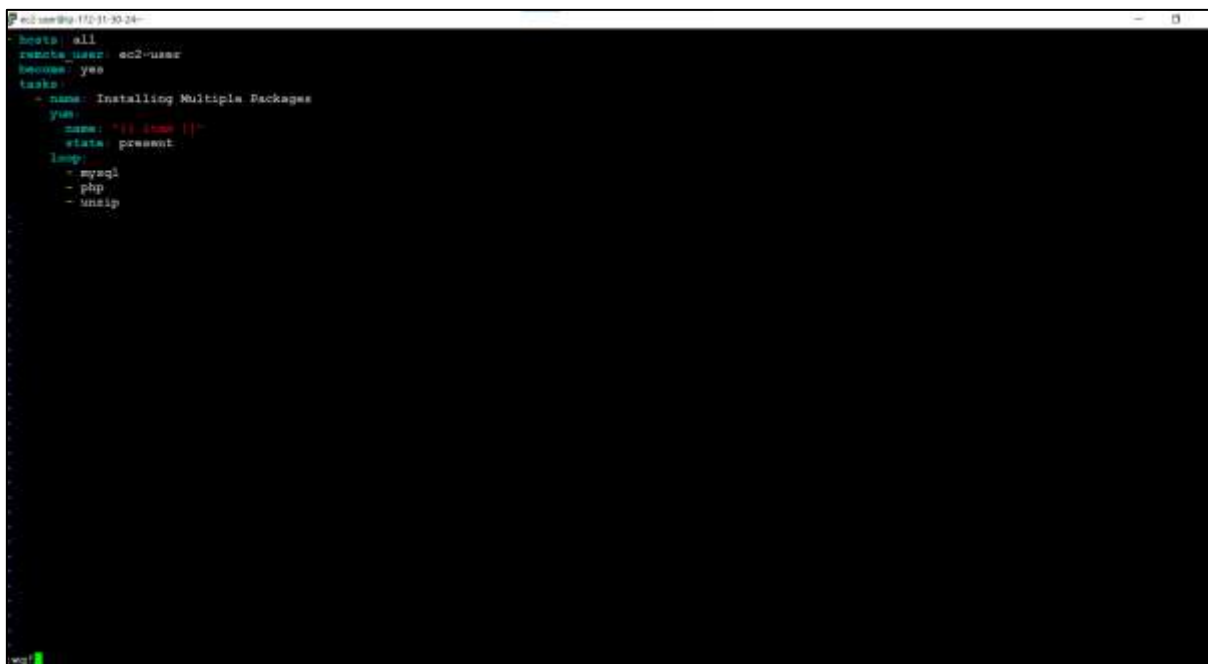
## 2. Installing Multiple Packages(mysql and php) at a time

Copy code and put visual studio code

A screenshot of the Visual Studio Code editor interface. The editor is open to a file named 'loop.yml'. The code is an Ansible playbook with the following content:

```
1 - hosts: all
2   remote_user: ec2-user
3   become: yes
4   tasks:
5     - name: Installing Multiple Packages
6       yum:
7         name: "{{ item }}"
8         state: present
9       loop:
10        - mysql
11        - php
12        - unzip
```

#vi loop.yml --->put code --->save:wq!

A screenshot of a terminal window with a black background and green text. The terminal shows the contents of the 'loop.yml' file, which is the same Ansible playbook as shown in the previous image. The terminal prompt is 'ec2-user@ip-172-31-33-24:~\$'. The file content is:

```
hosts: all
remote_user: ec2-user
become: yes
tasks:
  - name: Installing Multiple Packages
    yum:
      name: "{{ item }}"
      state: present
    loop:
      - mysql
      - php
      - unzip
```

Run playbook

#ansible-playbook -i hosts loop.yml



```
ec2-user@ip-172-31-30-24~$
[ec2-user@ip-172-31-30-24 ~]$ vi index.html
[ec2-user@ip-172-31-30-24 ~]$ cat index.html
hi this is my first playbook
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts apache.yml

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [Install Apache] *****
ok: [172.31.23.89]

TASK [Start Apache] *****
ok: [172.31.23.89]

TASK [Copy index.html] *****
changed: [172.31.23.89]

PLAY RECAP *****
172.31.23.89 : ok=4 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ec2-user@ip-172-31-30-24 ~]$ vi loop.yml
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts loop.yml

PLAY [all] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [Installing Multiple Packages] *****
changed: [172.31.23.89] => (item=mysql)
changed: [172.31.23.89] => (item=php)
ok: [172.31.23.89] => (item=mysql)

PLAY RECAP *****
172.31.23.89 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ec2-user@ip-172-31-30-24 ~$
```

Now login slave server and check install or not install

#mysql -version

#php --version

```
ec2-user@ip-172-31-23-89~$
login as: ec2-user
Authenticating with public key "ppk" from agent
Last login: Tue Feb 21 06:07:14 2023 from ip-172-31-30-24.ap-south-east-1.compute
.internal

 _ _ | _ _ | _ _ |
 _ _ | _ _ | _ _ |   Amazon Linux 3 AMI

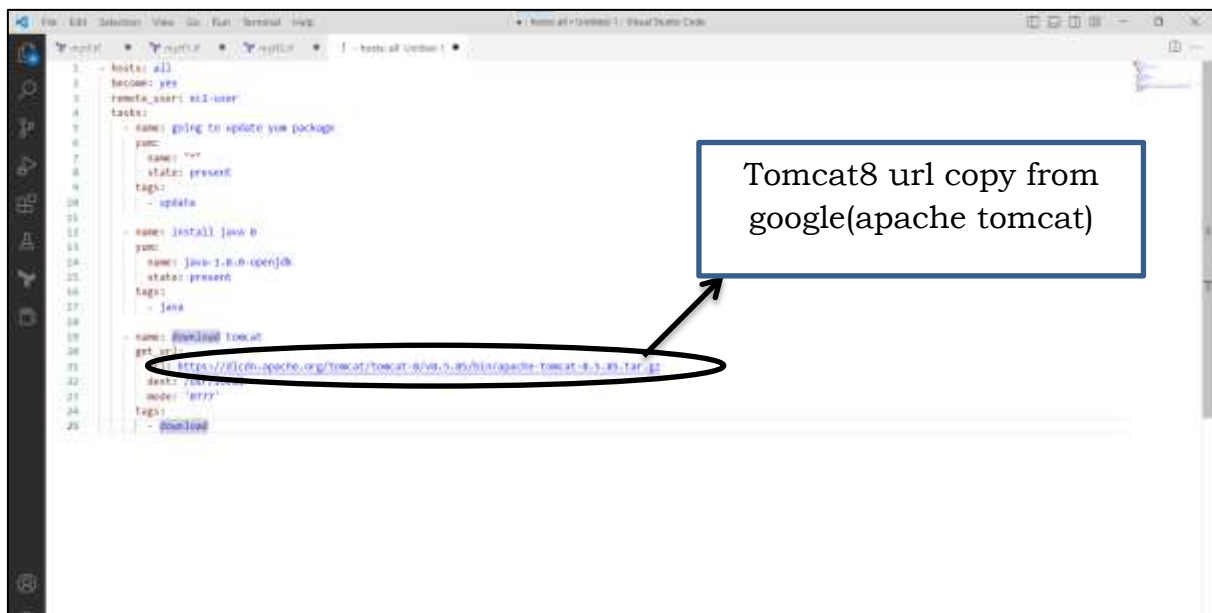
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-23-89 ~]$ mysql --version
mysql Ver 15.1 Distrib 5.5.60-MariaDB, for Linux (x86_64) using readline 5.1
[ec2-user@ip-172-31-23-89 ~]$ php --version
PHP 5.4.16 (cli) (built: Oct 31 2019 18:34:05)
Copyright (c) 1997-2019 The PHP Group
Zend Engine v2.4.0, Copyright (c) 1998-2019 Zend Technologies
[ec2-user@ip-172-31-23-89 ~]$
```

This playbook is running successfully.

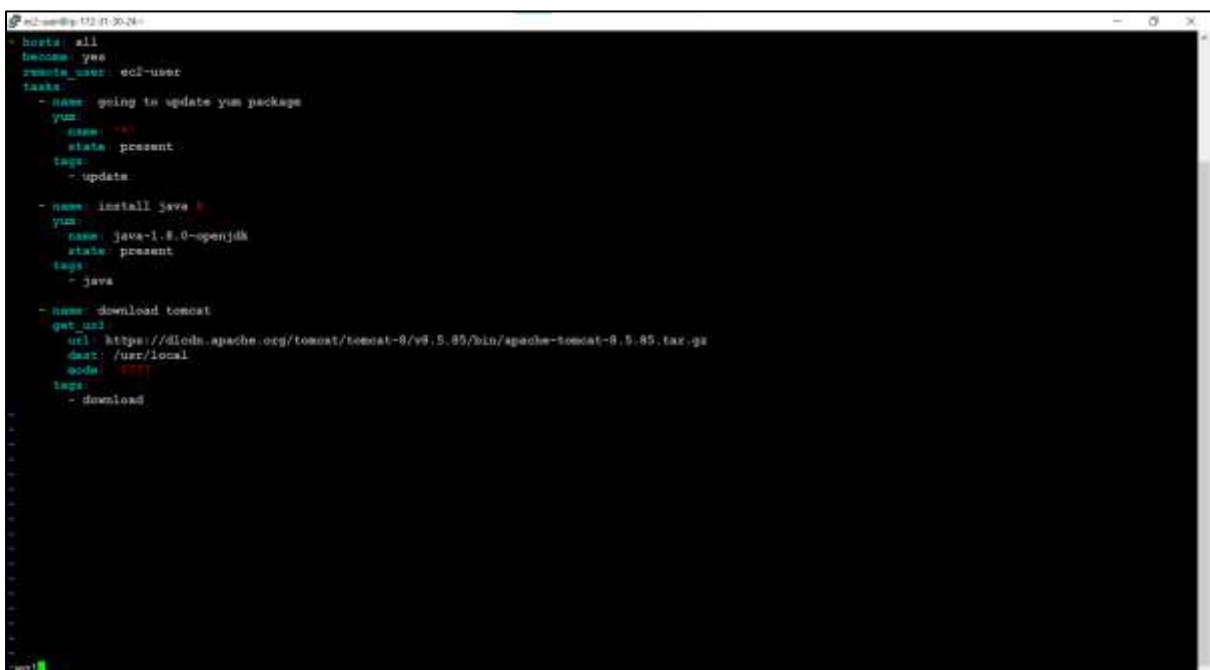
### 3. Run Particular tasks

3types in this code 1.java 2.yum update 3.tomcat download

Copy code and put visual studio code



#vi tags.yml --->put code --->save:wq!



1.Now run only install java

```
# ansible-playbook -i hosts tags.yml --tags java
```

```

ec2-user@ip-172-31-30-24:~$
login as: ec2-user
Authenticating with public key "ppk" from agent
Last login: Tue Feb 21 05:59:57 2023 from 157.51.68.15

      _ _ _
     _/___/_/  Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-30-24 ~]$ vi tags.yml
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts tags.yml --tags java

PLAY [all] *************************************************************************************************************************************

TASK [Gathering Facts] *****************************************************************************************************************************
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [install java 8] *****************************************************************************************************************************
changed: [172.31.23.89]

PLAY RECAP *************************************************************************************************************************************
172.31.23.89      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

[ec2-user@ip-172-31-30-24 ~]$

```

Now check slave server

```
#java -version
```

```
ec2-user@ip-172-31-23-89:~  
login as: ec2-user  
Authenticating with public key "ppk" from agent  
Last login: Tue Feb 21 06:22:27 2023 from ip-172-31-30-24.ap-southeast-1.compute  
.internal  
  
  _   _  
 _(_)_/  Amazon Linux 2 AMI  
(_)\___/_____  
  
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-172-31-23-89 ~]$ java -version  
openjdk version "1.8.0_352"  
OpenJDK Runtime Environment (build 1.8.0_352-b06)  
OpenJDK 64-Bit Server VM (build 25.352-b06, mixed mode)  
[ec2-user@ip-172-31-23-89 ~]$
```

2.run only update

# ansible-playbook -i hosts tags.yml --tags update

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

[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts tags.yml --tags update

PLAY [all] *************************************************************************************************************************************

TASK [Gathering Facts] **************************************************************************************************************************
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [going to update yum package] *********************************************************************
ok: [172.31.23.89]

PLAY RECAP *********************************************************************
172.31.23.89      : ok=2  changed=0  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

[ec2-user@ip-172-31-30-24 ~]$
```

3.skip java and update code run only tomcat download code only

#ansible-playbook -i hosts tags.yml --skip-tags java

Or

# ansible-playbook -i hosts tags.yml --tags download

```
[!F FORMD] [!M MODULE PATH] [!~List:tasks]
[!~list:tags] [!~step] [!~start-at-task START_AT_TASK]
playbook [playbook ...]

ansible-playbook: error: unrecognized arguments: update
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts tags.yml --skip-tags java

PLAY [all] *************************************************************************************************************************************

TASK [Gathering Facts] **************************************************************************************************************************
[WARNING]: Platform linux on host 172.31.23.89 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python
interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.23.89]

TASK [going to update yum package] *********************************************************************
ok: [172.31.23.89]

TASK [download tomcat] *********************************************************************
changed: [172.31.23.89]

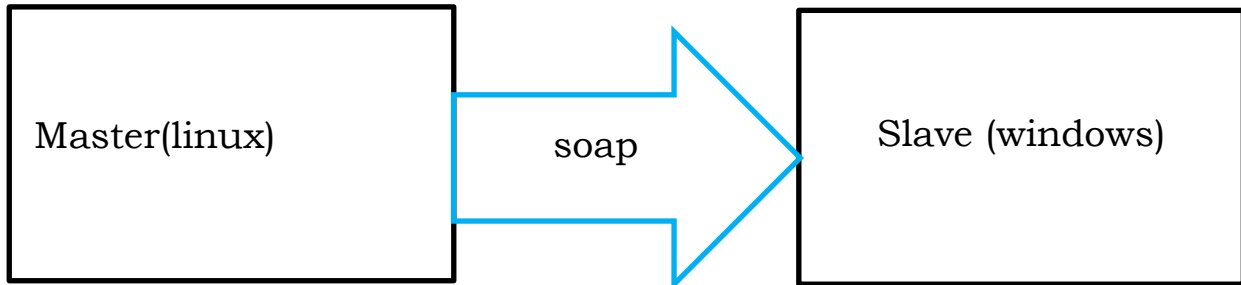
PLAY RECAP *********************************************************************
172.31.23.89      : ok=3  changed=1  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

[ec2-user@ip-172-31-30-24 ~]$
```

Tomcat download

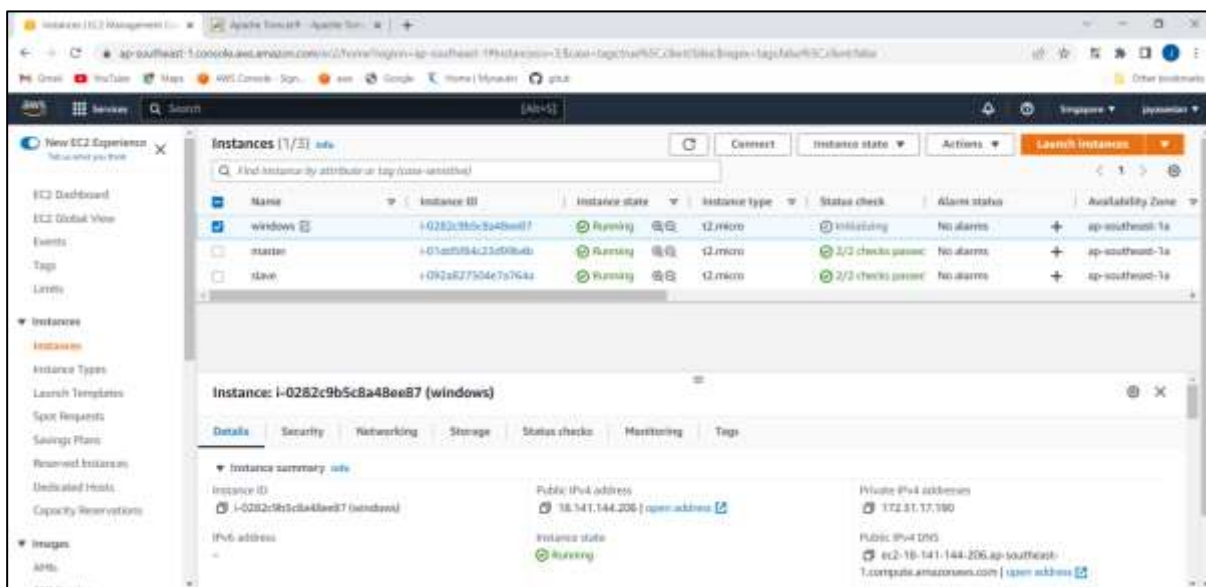
Check slave server

## Ansible With Windows Slave



### Step1:Launch Ec2 Windows Server

Key(pem)----->security (all tcp)--->launch instance



### Step2: Add Windows Public Ip On Master Server Host Configuration With

login master server

#vi hosts ----> [windows]

18.141.144.206

[windows:vars]

ansible\_user=Administrator

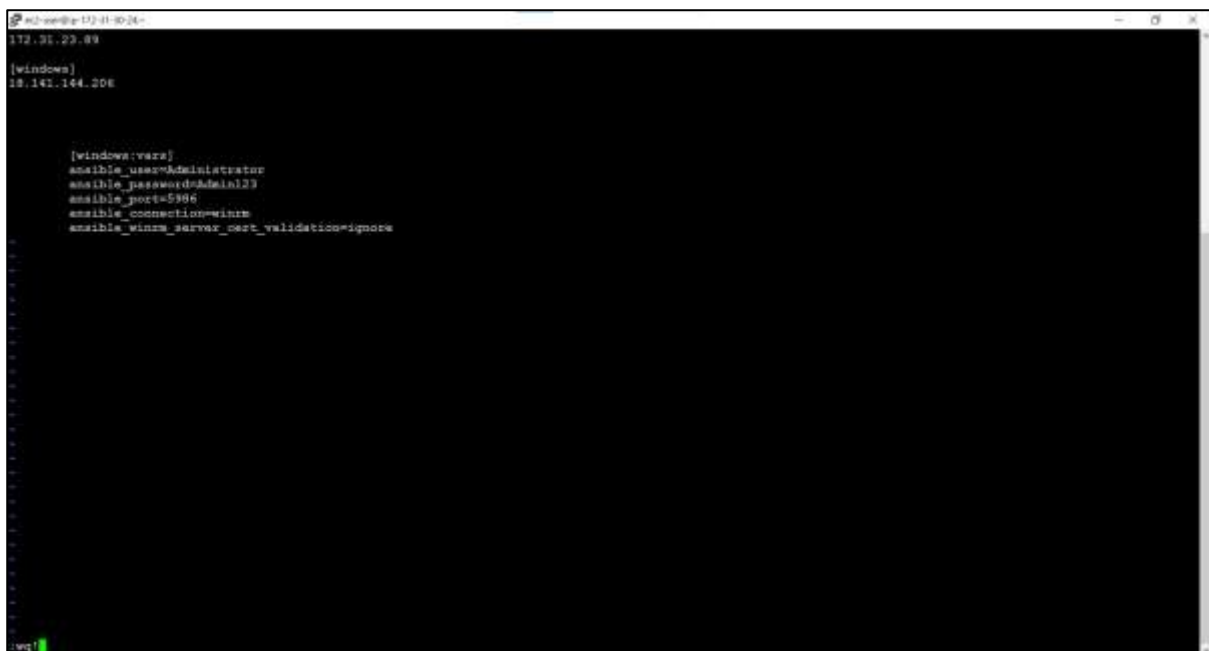
ansible\_password=Admin123

ansible\_port=5986

ansible\_connection=winrm

ansible\_winrm\_server\_cert\_validation=ignore

---->wq!



```
#vi hosts
18.141.144.206

[windows:vars]
ansible_user=Administrator
ansible_password=Admin123
ansible_port=5986
ansible_connection=winrm
ansible_winrm_server_cert_validation=ignore
```

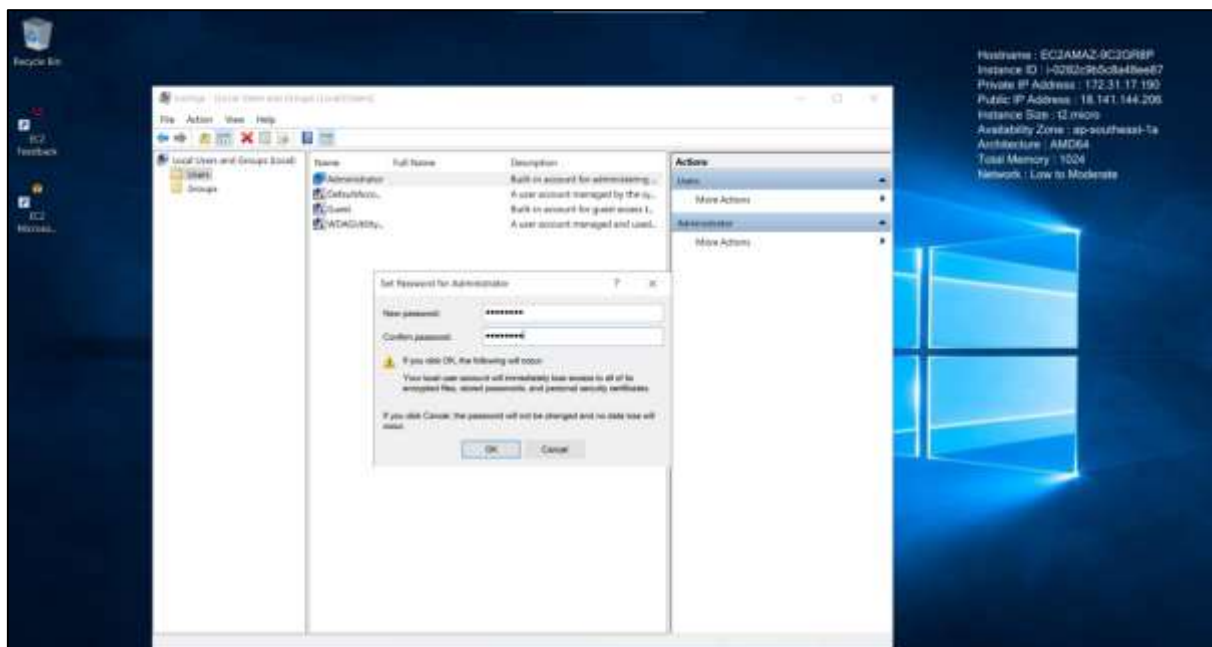
### Step3:Connect Windows Server

Purpose :Change password



Searchbar ---> lusrmgr.msc (Local user manager)

User--->administrator(right click)---->set password --->proceed--->Admin123 --->ok





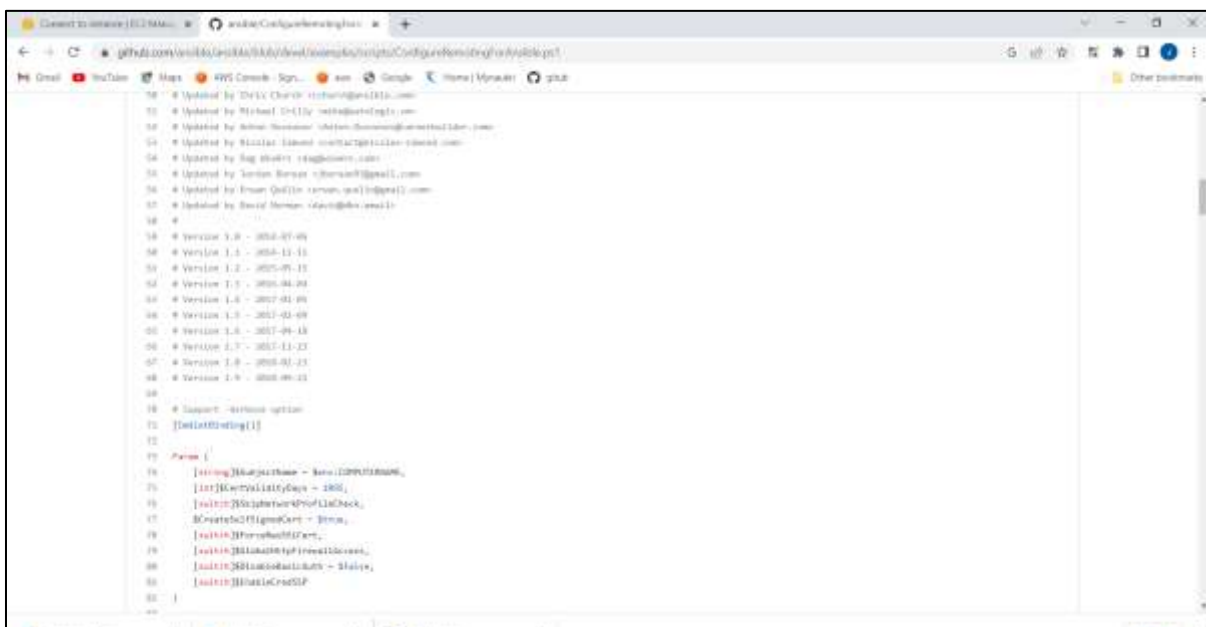
Now server close and open again use password(Admin123)



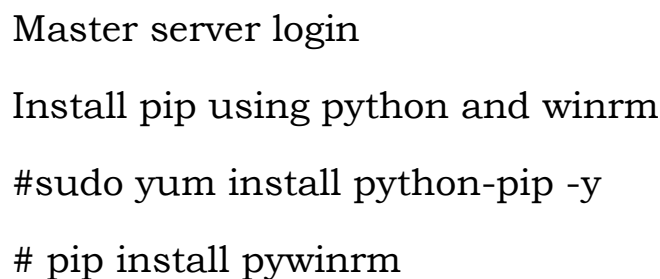
## Step4:Set Configuration For Windows Server

## Configuratin file download

<https://github.com/ansible/ansible/blob/devel/examples/scripts/ConfigureRemotingForAnsible.ps1>



Finally it will come **ok**



Now ping windows server

# ansible windows -i hosts -m win\_ping

```
Requirement already satisfied: pyasn1<=0.1.8 in /usr/lib/python2.7/site-packages (from cryptography>=1.3->requests-ntlm>=1.1.0->pywinrm) (0.1.9)
Requirement already satisfied: setuptools in /usr/lib/python2.7/site-packages (from cryptography>=1.3->requests-ntlm>=1.1.0->pywinrm) (41.2.0)
Requirement already satisfied: emm34 in /usr/lib/python2.7/site-packages (from cryptography>=1.3->requests-ntlm>=1.1.0->pywinrm) (1.0.4)
Requirement already satisfied: ipaddress in /usr/lib/python2.7/site-packages (from cryptography>=1.3->requests-ntlm>=1.1.0->pywinrm) (1.0.16)
Requirement already satisfied: cffi>=1.4.1 in /usr/lib64/python2.7/site-packages (from cryptography>=1.3->requests-ntlm>=1.1.0->pywinrm) (1.6.0)
Requirement already satisfied: pycparser in /usr/lib/python2.7/site-packages (from cffi>=1.4.1->cryptography>=1.3->requests-ntlm>=1.1.0->pywinrm) (2.14)
Installing collected packages: certifi, idna, chardet, requests, ntlm-auth, requests-ntlm, xmldict, pywinrm
Successfully installed certifi-2021.10.8 chardet-4.0.0 idna-2.10 ntlm-auth-1.5.0 pywinrm-0.4.3 requests-2.27.1 requests-ntlm-1.1.0 xmldict-0.12.0
[ec2-user@ip-172-31-30-24 ~]$ ansible windows -i hosts -m win_ping
13.250.13.37 | SUCCESS => {
  'changed': false,
  'ping': 'pong'
}
[ec2-user@ip-172-31-30-24 ~]$
```

## 1.Now create one folder in windows server

#Vi folder.yml --->put code ---->save:wq!

Windows --->:/c path---->ansible folder



```
1 - hosts: windows
2 gather_facts: true
3 tasks:
4   - name: Create a folder in target group node
5     win_file:
6       path: C:\ansible
7       state: directory
```



```
hosts: windows
gather_facts: true
tasks:
  - name: Create a folder in target group node
    win_file:
      path: C:\ansible
      state: directory
```

## Run Playbook

```
#ansible-playbook -i hosts folder.yml
```

[illegible]

Now go windows server check c drive

## Ansible Folder shown



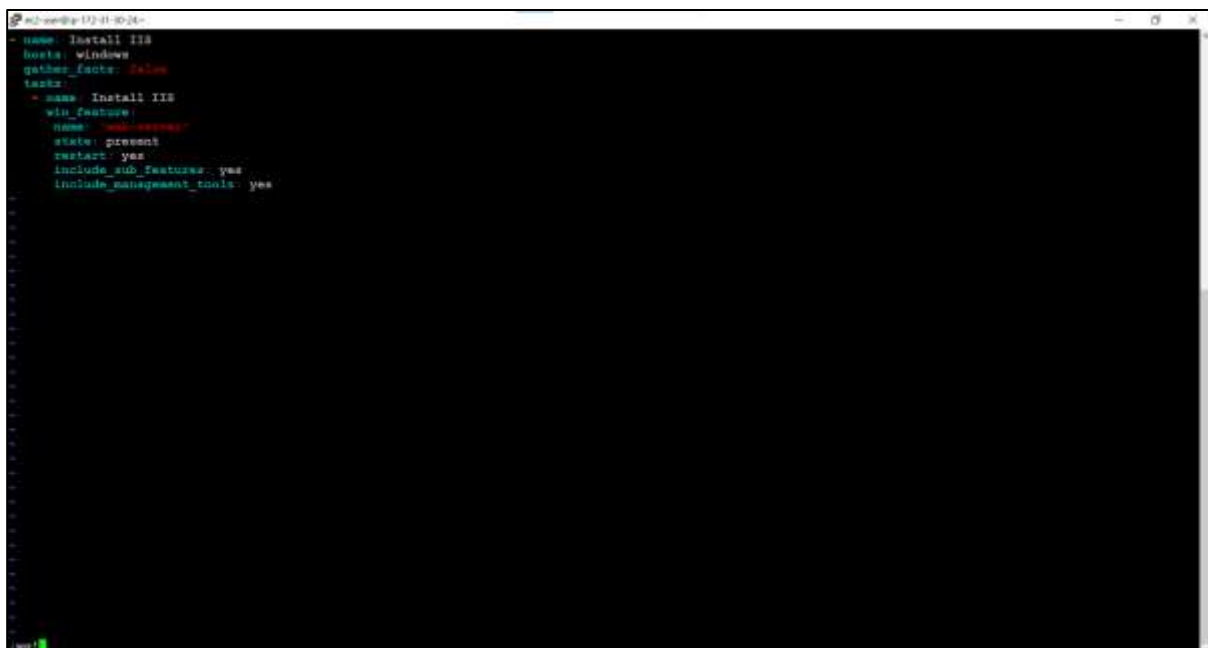
## 2.install IIS(internet information service)

Copy code visual studio

A screenshot of the Visual Studio Code editor interface. The editor window shows a file named 'iis.yml' with the following content:

```
1 - name: Install IIS
2   hosts: windows
3   gather_facts: false
4   tasks:
5     - name: Install IIS
6       win_feature:
7         name: 'web-server'
8         state: present
9         restart: yes
10        include_sub_features: yes
11        include_management_tools: yes
```

Vi iis.yml ---->put code --->save:wq!

A screenshot of a terminal window with a black background and white text. The text is the same Ansible playbook content as shown in the previous image:

```
- name: Install IIS
  hosts: windows
  gather_facts: false
  tasks:
    - name: Install IIS
      win_feature:
        name: 'web-server'
        state: present
        restart: yes
        include_sub_features: yes
        include_management_tools: yes
```

Run playbook

```
#ansible-playbook -i hosts iis.yml
```

```
TASK [Gathering Facts] *****
ok: [13.250.13.97]

TASK [Create a folder in target group node] *****
changed: [13.250.13.97]

PLAY RECAP *****
13.250.13.97 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ec2-user@ip-172-31-30-24 ~]$ vi internet.yml
-bash: vi: command not found
[ec2-user@ip-172-31-30-24 ~]$ vi iis.yml
-bash: vi: command not found
[ec2-user@ip-172-31-30-24 ~]$ vi folder.yml
[ec2-user@ip-172-31-30-24 ~]$ vi all.yml
[ec2-user@ip-172-31-30-24 ~]$ vi iis.yml
[ec2-user@ip-172-31-30-24 ~]$ ansible-playbook -i hosts iis.yml

PLAY [Install IIS] *****

TASK [Install IIS] *****
changed: [13.250.13.97]

PLAY RECAP *****
13.250.13.97 : ok=1 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ec2-user@ip-172-31-30-24 ~]$
```

Iis install

Now windows server public ip copy put chrome.

