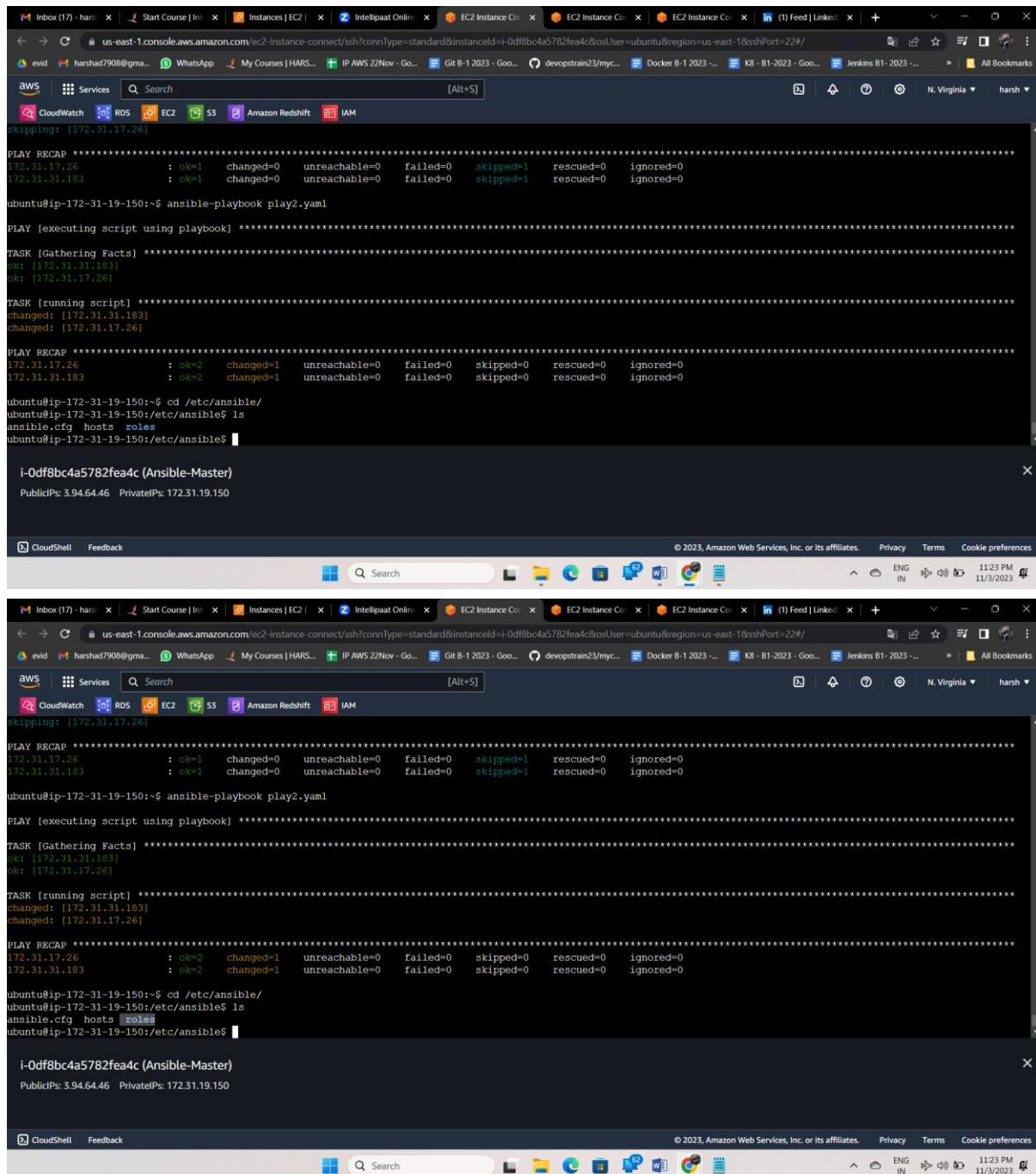


Ansible Assignment 3



The screenshot shows three identical instances of the AWS CloudShell interface running in separate browser tabs. Each tab displays the output of an Ansible playbook named 'play2.yaml' being run against two hosts: 172.31.31.183 and 172.31.31.17.26. The playbook tasks include gathering facts and running scripts. The output shows that both hosts are reachable, and the playbook successfully updates files on both. The AWS navigation bar at the top includes links for Services, Search, and [Alt+S]. The bottom of each tab shows the AWS footer with copyright information and language selection.

```
PLAY RECAP
172.31.31.17.26      : ok=1        changed=0      unreachable=0      failed=0      skipped=1      rescued=0      ignored=0
172.31.31.183       : ok=1        changed=0      unreachable=0      failed=0      skipped=1      rescued=0      ignored=0

ubuntu@ip-172-31-19-150:~$ ansible-playbook play2.yaml

PLAY [executing script using playbook] *****

TASK [Gathering Facts] *****
ok: [172.31.31.183]
ok: [172.31.31.17.26]

TASK [running script] *****
changed: [172.31.31.183]
changed: [172.31.31.17.26]

PLAY RECAP
172.31.31.17.26      : ok=2        changed=1      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0
172.31.31.183       : ok=2        changed=1      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-19-150:/etc/ansible$ 

i-Odf8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46  PrivateIPs: 172.31.19.150

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ENG IN 11:23 PM 11/3/2023

PLAY RECAP
172.31.31.17.26      : ok=1        changed=0      unreachable=0      failed=0      skipped=1      rescued=0      ignored=0
172.31.31.183       : ok=1        changed=0      unreachable=0      failed=0      skipped=1      rescued=0      ignored=0

ubuntu@ip-172-31-19-150:~$ ansible-playbook play2.yaml

PLAY [executing script using playbook] *****

TASK [Gathering Facts] *****
ok: [172.31.31.183]
ok: [172.31.31.17.26]

TASK [running script] *****
changed: [172.31.31.183]
changed: [172.31.31.17.26]

PLAY RECAP
172.31.31.17.26      : ok=2        changed=1      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0
172.31.31.183       : ok=2        changed=1      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-19-150:/etc/ansible$ 

i-Odf8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46  PrivateIPs: 172.31.19.150

CloudShell  Feedback  © 2023, Amazon Web Services, Inc. or its affiliates.  Privacy  Terms  Cookie preferences
ENG IN 11:23 PM 11/3/2023
```

The screenshot shows three separate sessions of the AWS CloudShell interface, each displaying the output of an Ansible playbook run on two EC2 instances. The instances have IP addresses 172.31.17.26 and 172.31.31.183.

Session 1 (Top):

```
PLAY RECAP
172.31.17.26      : ok=1    changed=0    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
172.31.31.183    : ok=1    changed=0    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0

ubuntu@ip-172-31-19-150:~$ ansible-playbook play2.yaml

PLAY [executing script using playbook] *****

TASK [Gathering Facts] *****
ok: [172.31.31.183]
ok: [172.31.17.26]

TASK [running script] *****
changed: [172.31.31.183]
changed: [172.31.17.26]

PLAY RECAP
172.31.17.26      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.31.183    : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-19-150:/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ 
```

Session 2 (Middle):

```
i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

PLAY [executing script using playbook] *****

TASK [Gathering Facts] *****
ok: [172.31.31.183]
ok: [172.31.17.26]

TASK [running script] *****
changed: [172.31.31.183]
changed: [172.31.17.26]

PLAY RECAP
172.31.17.26      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.31.183    : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-19-150:/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ 
```

Session 3 (Bottom):

```
i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

PLAY [executing script using playbook] *****

TASK [Gathering Facts] *****
ok: [172.31.31.183]
ok: [172.31.17.26]

TASK [running script] *****
changed: [172.31.31.183]
changed: [172.31.17.26]

PLAY RECAP
172.31.17.26      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.31.183    : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-19-150:~$ 
```

The screenshot shows two separate sessions of the AWS CloudShell interface, each displaying the output of an Ansible playbook run on two different EC2 instances.

Session 1 (Top):

```
PLAY [executing script using playbook]
TASK [Gathering Facts]
: [172.31.31.183]
: [172.31.17.26]

TASK [running script]
changed: [172.31.31.183]
changed: [172.31.17.26]

PLAY RECAP
172.31.17.26 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.31.183 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:~/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-19-150:~/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
apache
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ 
```

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

Session 2 (Bottom):

```
TASK [Gathering Facts]
: [172.31.31.183]
: [172.31.17.26]

TASK [running script]
changed: [172.31.31.183]
changed: [172.31.17.26]

PLAY RECAP
172.31.17.26 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.31.183 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:~/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-19-150:~/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
apache
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ 
```

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

The screenshot shows three separate sessions of the AWS CloudShell interface, each displaying the output of an Ansible playbook run on an EC2 instance. The sessions are identical, showing the execution of a script to manage Apache and Nginx services.

```
TASK [running script] ****
changed: [172.31.31.183]
changed: [172.31.17.26]

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

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:~/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-19-150:~/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ 

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

CloudShell Feedback
```

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The screenshot shows three separate sessions of the AWS CloudShell interface, each displaying the output of an Ansible playbook run on an EC2 instance. The sessions are identical, showing the execution of a script to manage Apache and Nginx services.

```
changed: [172.31.31.183]
changed: [172.31.17.26]

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

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:~/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-19-150:~/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ cd apache/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache$ 

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

CloudShell Feedback
```

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The screenshot shows three separate sessions of the AWS CloudShell interface, each displaying the output of an Ansible playbook run on an EC2 instance. The sessions are identical, showing the execution of a script to manage Apache and Nginx services.

```
changed: [172.31.31.183]
changed: [172.31.17.26]

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

ubuntu@ip-172-31-19-150:~$ cd /etc/ansible/
ubuntu@ip-172-31-19-150:~/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-19-150:~/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ cd apache/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache$ 

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

CloudShell Feedback
```

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```
aws Services Search [Alt+S]
CloudWatch RDS EC2 S3 Amazon Redshift IAM

ubuntu@ip-172-31-19-150:/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-31-19-150:/etc/ansible$ cd roles/
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo ansible-galaxy init apache
sudo: ansible-galaxy: command not found
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd apache/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cat main.yaml
cat: main.yaml: No such file or directory
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cat main.yaml
--- ! tasks file for apache
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$
```

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

```
CloudShell Feedback
CloudShell Feedback

GNU nano 6.2 install.yaml *
-----
```

```
- name: installing apache2
  apt: name=apache2 state=latest
```

```
CloudShell Feedback
CloudShell Feedback

GNU nano 6.2
-----
```

The screenshot shows a terminal session on an AWS CloudShell instance. The user is creating an Ansible role named 'apache'. They start by creating a directory for the role and then create a main configuration file.

```
# tasks file for apache
- include_tasks: install.yaml
```

Next, they create a file named 'main.yml' and add some basic configuration for Apache:

```
main.yml
```

```
---
# tasks file for apache
- name: Install Apache
  apt:
    name: apache2
    state: present
  become: true
```

They then run the command to generate the Galaxy init files for the Apache role:

```
sudo ansible-galaxy init apache
```

After creating the role, they check its contents:

```
ls
```

They then repeat the process for the Nginx role, creating a directory and a main configuration file:

```
nginx
```

```
main.yml
```

```
main.yml
```

They run the command to generate the Galaxy init files for the Nginx role:

```
sudo ansible-galaxy init nginx
```

Finally, they check the contents of the Nginx role directory:

```
ls
```

```
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache  nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd apache/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cat main.yaml
cat: main.yaml: No such file or directory
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cat main.yml
# tasks file for apache
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cd ../..
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ cd task/
-bash: cd: task/: No such file or directory
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ sudo nano install.yaml
```

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

```
GNU nano 6.2           install.yaml *
```

```
--> - name: installing nginx
  apt: name=nginx state=latest
```

```
GNU nano 6.2           install.yaml *
```

```
# tasks file for nginx
- include_tasks: install.yaml
```



```
i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150
```



```
CloudShell Feedback
```



```
CloudWatch RDS EC2 S3 Amazon Redshift IAM
```



```
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cat main.yaml
cat: main.yaml: No such file or directory
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cat main.yml
```



```
# tasks file for apache
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cd ../..
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ ls
REALME.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ cd task/
-bash: cd: task/: No such file or directory
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ sudo nano main.yml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ cd ..
ubuntu@ip-172-31-19-150:$ cd roles/
-bash: cd: roles/: No such file or directory
ubuntu@ip-172-31-19-150:$ cd /etc/ansible/roles/
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$
```



```
i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150
```



```
CloudShell Feedback
```



```
CloudWatch RDS EC2 S3 Amazon Redshift IAM
```

File: play3.yaml

```

---
- name: executing apache role for slave1
  become: true
  hosts: Slave1
  roles:
    - apache
- name: executing nginx role for slave2
  become: true
  hosts: Slave2
  roles:
    - nginx

```

File: main.yaml

```

# tasks file for apache
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/tasks$ cd ../..
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ cd task/
-bash: cd: task/: No such file or directory
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks$ cd ..
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd
ubuntu@ip-172-31-19-150:$ sudo nano play3.yaml
ubuntu@ip-172-31-19-150:$ ansible-playbook play3.yaml --syntax-check
playbook: play3.yaml
ubuntu@ip-172-31-19-150:~$ 
```

File: play3.yaml

```

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

```

File: main.yaml

```

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

```

The screenshot shows three consecutive screenshots of the AWS CloudShell interface, each displaying the output of an Ansible playbook run on an EC2 instance. The top two screenshots are from November 3, 2023, at 11:57 PM, and the bottom one is from November 4, 2023, at 12:28 AM. The interface includes a navigation bar with tabs like 'Inbox', 'Start Course', 'Instances | EC2', 'Intellipaat Online', 'EC2 Instance Connect', 'EC2 Instance Connect', 'Feed | LinkedIn', and 'All Bookmarks'. Below the bar, the AWS services menu is visible with 'CloudWatch', 'RDS', 'EC2', 'S3', 'Amazon Redshift', and 'IAM' selected. The main area is a terminal window showing the execution of an Ansible playbook named 'play3.yaml' on an EC2 instance with IP 172.31.19.150. The playbook installs Apache and Nginx, and checks for syntax errors. The bottom screenshot shows the playbook has completed successfully, with the status 'ok' and the IP address 172.31.31.183.

```
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd tasks/
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo nano install.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd ..
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd
ubuntu@ip-172-31-19-150:~$ sudo nano play3.yaml
ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml --syntax-check
playbook: play3.yaml
ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml --check
PLAY [executing apache role for slave1] ****
TASK [Gathering Facts] ****

```

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150


```
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd ..
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd
ubuntu@ip-172-31-19-150:~$ sudo nano play3.yaml
ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml --syntax-check
playbook: play3.yaml
ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml --check
PLAY [executing apache role for slave1] ****
TASK [Gathering Facts] ****
ok: [172.31.31.183]

```

TASK [apache : include_tasks] ****
included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.31.183

TASK [apache : installing apache2] ****
changed: [172.31.31.183]

PLAY [executing nginx role for slave2] ****

```
TASK [Gathering Facts] ****

```

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150


```
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd ..
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles$ cd
ubuntu@ip-172-31-19-150:~$ sudo nano play3.yaml
ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml --syntax-check
playbook: play3.yaml
ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml --check
PLAY [executing apache role for slave1] ****
TASK [Gathering Facts] ****
ok: [172.31.31.183]

```

TASK [apache : include_tasks] ****
included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.31.183

TASK [apache : installing apache2] ****
changed: [172.31.31.183]

PLAY [executing nginx role for slave2] ****

```
TASK [Gathering Facts] ****

```

```
Inbox (17) - harsh | Start Course | Instances | EC2 | Intellipaat Online | EC2 Instance Connect | EC2 Instance Connect | IP AWS 22Now - Go... | Git B-1 2023 - Goo... | devopstrain23/my... | Docker B-1 2023 - ... | K8 - B1-2023 - Goo... | Jenkins B1-2023 - ... | All Bookmarks
aws Services Search [Alt+S]
CloudWatch RDS EC2 S3 Amazon Redshift IAM

TASK [Gathering Facts] ****
ok: [172.31.31.183]

TASK [apache : include_tasks] ****
included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.31.183

TASK [apache : installing apache2] ****
changed: [172.31.31.183]

PLAY [executing nginx role for slave2] ****
TASK [Gathering Facts] ****
ok: [172.31.17.26]

TASK [nginx : include_tasks] ****
included: /etc/ansible/roles/nginx/tasks/install.yaml for 172.31.17.26

TASK [nginx : installing nginx] ****
changed: [172.31.17.26]

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

ubuntu@ip-172-31-19-150:~$ i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

CloudShell Feedback
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ENG IN 12:28 AM 11/4/2023

Inbox (17) - harsh | Start Course | Instances | EC2 | Intellipaat Online | EC2 Instance Connect | EC2 Instance Connect | IP AWS 22Now - Go... | Git B-1 2023 - Goo... | devopstrain23/my... | Docker B-1 2023 - ... | K8 - B1-2023 - Goo... | Jenkins B1-2023 - ... | All Bookmarks
aws Services Search [Alt+S]
CloudWatch RDS EC2 S3 Amazon Redshift IAM
Included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.31.183

TASK [apache : installing apache2] ****
changed: [172.31.31.183]

PLAY [executing nginx role for slave2] ****
TASK [Gathering Facts] ****
ok: [172.31.17.26]

TASK [nginx : include_tasks] ****
included: /etc/ansible/roles/nginx/tasks/install.yaml for 172.31.17.26

TASK [nginx : installing nginx] ****
changed: [172.31.17.26]

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

ubuntu@ip-172-31-19-150:~$ ansible-playbook play3.yaml
PLAY [executing apache role for slave1] ****
TASK [Gathering Facts] ****

i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

CloudShell Feedback
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ENG IN 12:29 AM 11/4/2023
```

Inbox (17) - harsh | Start Course | Instances | EC2 | Intellipaat Online | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | Feed | LinkedIn | +

<https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0df8bc4a5782fea4c&osUser=ubuntu®ion=us-east-1&sshPort=22#/>

aws Services Search [Alt+S]

CloudWatch RDS EC2 S3 Amazon Redshift IAM

```

TASK [Gathering Facts] ****
ok: [172.31.31.183]

TASK [apache : include_tasks] ****
included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.31.183

TASK [apache : installing apache2] ****
changed: [172.31.31.183]

PLAY [executing nginx role for slave2] ****
TASK [Gathering Facts] ****
ok: [172.31.17.26]

TASK [nginx : include_tasks] ****
included: /etc/ansible/roles/nginx/tasks/install.yaml for 172.31.17.26

TASK [nginx : installing nginx] ****
changed: [172.31.17.26]

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

ubuntu@ip-172-31-19-150:~$ i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

```

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Apache2 Ubuntu Default Page | New Incognito Tab | +

Not secure | 52.90.250.91

evid harshad7908@gmail.com WhatsApp My Courses | HARS... IP AWS 22Now - Go... Git B-1 2023 - Goo... devopstrain23/my... Docker B-1 2023 ... K8 - B1-2023 - Goo... Jenkins B1- 2023 ... All Bookmarks

```

Apache2 Default Page
Ubuntu
It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should replace this file (located at /var/www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is fully documented in /usr/share/doc/apache2/README.Debian.gz. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the manual if the apache2-doc package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```

```

/etc/apache2/
|-- apache2.conf
|   '-- ports.conf
|-- mods-enabled
|   '-- *.Load
|   '-- *.conf
|-- conf-enabled
|   '-- *.conf
|-- sites-enabled
|   '-- *.conf

```

ENG IN 12:31 AM 11/4/2023



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

