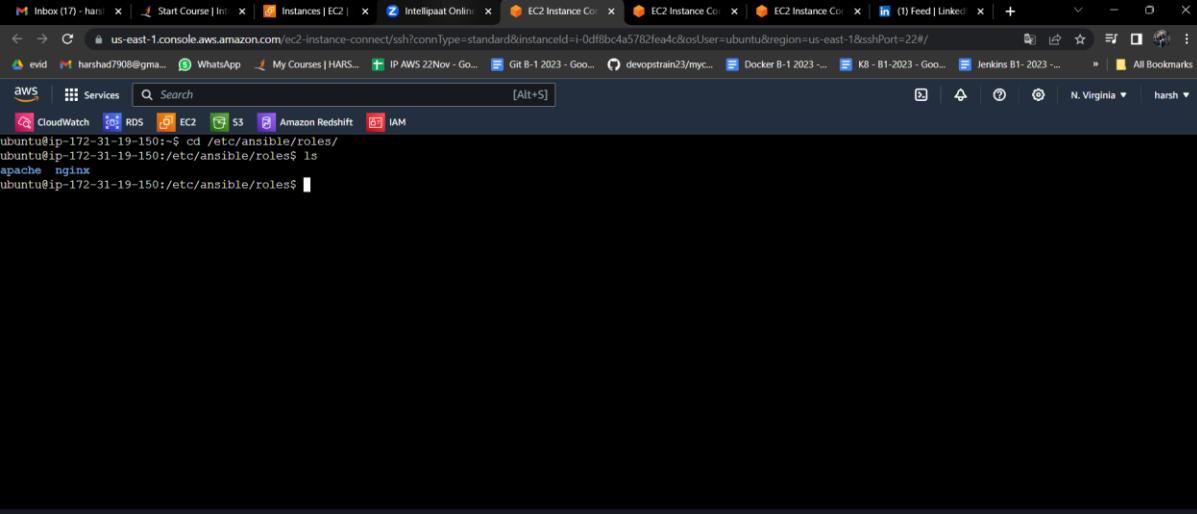
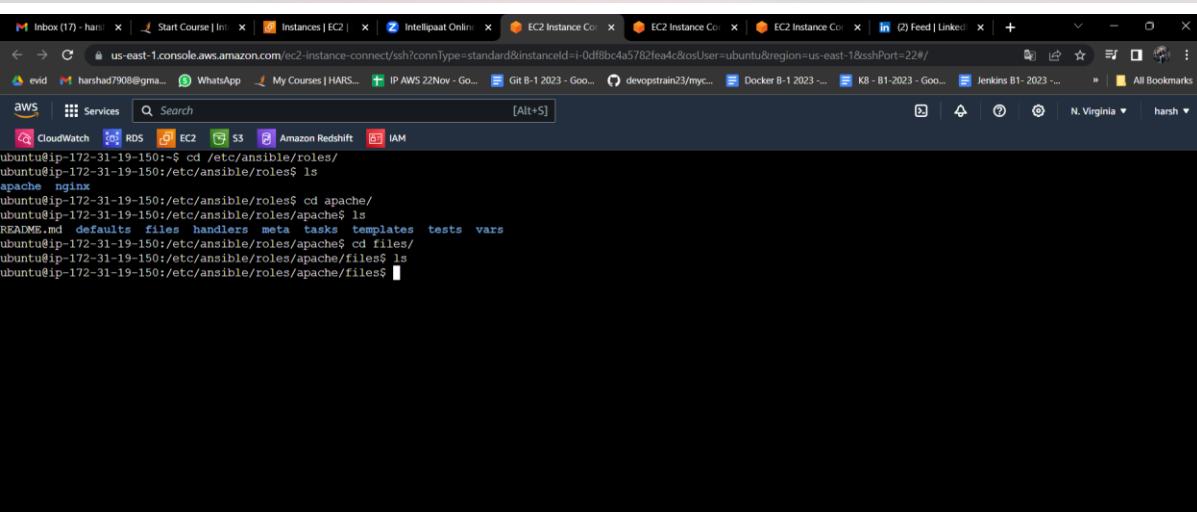


Ansible Assignment 4



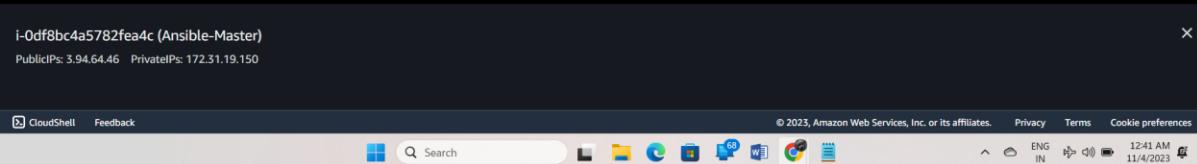
```
i-0df8bc4a5782fea4c (Ansible-Master)
PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

CloudShell Feedback
```



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

CloudShell Feedback
```



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

CloudShell Feedback
```

The screenshots show three sessions in AWS CloudShell. The first session lists the contents of the /etc/ansible/roles directory, showing two roles: apache and nginx. The second session shows the contents of the apache role's directory, including files like README.md, defaults, handlers, meta, tasks, templates, tests, and vars. The third session lists the contents of the apache/files directory, showing files named apache, apache.conf, and files.

```
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$ cd apache/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ ls
README.md defaults handlers meta tasks templates tests vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ cd files/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/files$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/files$ sudo nano index.html
```

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

```
GNU nano 6.2
```

index.html

[New File]

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous
Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

The screenshot shows a terminal session on an AWS CloudShell. The user is connected via SSH to an EC2 instance with the ID i-0df8bc4a5782fea4c. The session is running on a standard instance type in the us-east-1 region. The user has navigated to the /etc/ansible/roles directory and is viewing the contents of the apache role. The terminal window includes a status bar at the bottom displaying the instance ID, public IP, private IP, and the nano editor interface.

```
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$ cd apache/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ ls
README.md  defaults  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache$ cd files/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/files$ ls
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/files$ sudo nano index.html
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/files$ pwd
/etc/ansible/roles/apache/files
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache/files$
```

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

The screenshot shows a terminal session on an AWS CloudShell. The user is connected via SSH to an EC2 instance with the ID i-0df8bc4a5782fea4c. The session is running on a standard instance type in the us-east-1 region. The user has opened a new terminal window and is using the nano editor to create a file named copy.yaml. The terminal window includes a status bar at the bottom displaying the instance ID, public IP, private IP, and the nano editor interface.

```
GNU nano 6.2
```

copy.yaml

The screenshot shows a terminal session on an AWS CloudShell. The user is connected via SSH to an EC2 instance with the ID i-0df8bc4a5782fea4c. The session is running on a standard instance type in the us-east-1 region. The user has opened a new terminal window and is using the nano editor to create a file named copy.yaml. The terminal window includes a status bar at the bottom displaying the instance ID, public IP, private IP, and the nano editor interface.

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

```
copy: src=/etc/ansible/roles/apache/files/index.html dest=var/www/html/
```

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

File tasks file for apache

```
include_tasks: install.yaml
include_tasks: copy.yaml
```

main.yml *

GNU nano 6.2

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous

Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next

i-0df8bc4a5782fea4c (Ansible-Master)

Public IPs: 3.94.64.46 Private IPs: 172.31.19.150

CloudShell Feedback

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File tasks file for apache

```
include_tasks: install.yaml
include_tasks: copy.yaml
```

main.yml *

GNU nano 6.2

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous

Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next

i-0df8bc4a5782fea4c (Ansible-Master)

Public IPs: 3.94.64.46 Private IPs: 172.31.19.150

CloudShell Feedback

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File tasks file for apache

```
include_tasks: install.yaml
include_tasks: copy.yaml
```

main.yml *

GNU nano 6.2

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous

Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next

i-0df8bc4a5782fea4c (Ansible-Master)

Public IPs: 3.94.64.46 Private IPs: 172.31.19.150

CloudShell Feedback

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The screenshot shows a terminal session in AWS CloudShell. The user is navigating through Ansible roles for Apache and Nginx, specifically the `main` role. They are creating a new configuration file named `index.html` in the Apache `files` directory. The terminal output is as follows:

```
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/main$ 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 files/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/files$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/files$ sudo nano index.html
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/files$ pwd
/etc/ansible/roles/apache/files
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/files$ cd ..
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
installall.yaml main.yaml
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/tasks$ sudo nano copy.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/apache$ ls
apache nginx
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ cd nginx/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx$ cd files/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ sudo nano index.html
```

Custom Nginx page html file

index.html *

GNU nano 6.2

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

The screenshot shows a terminal session in AWS CloudShell. The user is navigating through Ansible roles for Nginx, specifically the `main` role. They are creating a new configuration file named `index.html` in the Nginx `files` directory. The terminal output is as follows:

```
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/main$ 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 files/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ sudo nano index.html
```

index.html *

GNU nano 6.2

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

The screenshot shows a terminal session in AWS CloudShell. The user is navigating through Ansible roles for Nginx, specifically the `main` role. They are creating a new configuration file named `index.html` in the Nginx `files` directory. The terminal output is as follows:

```
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/main$ 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 files/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ sudo nano index.html
```

index.html *

GNU nano 6.2

i-0df8bc4a5782fea4c (Ansible-Master)

PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150

The screenshot shows a Windows desktop environment with multiple browser tabs open. The active tab is a CloudShell session titled 'Inbox (17) - harsh' on an EC2 instance. The terminal window displays the following command history:

```
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/files$ pwd
/etc/ansible/roles/apache/files
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/files$ cd ..
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
install.yaml main.yaml
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/apache/tasks$ sudo nano copy.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/apache$ cd ..
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-31-19-150:~/etc/ansible/roles$ cd nginx/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx$ cd files/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ sudo nano index.html
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/files$ cd ..
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx$ ls
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx$ 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$ cd nginx/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx$ cd tasks/
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/tasks$ ls
install.yaml main.yaml
ubuntu@ip-172-31-19-150:~/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
```

The terminal concludes with the message "i-0df8bc4a5782fea4c (Ansible-Master)" and "PublicIPs: 3.94.64.46 PrivateIPs: 172.31.19.150".

At the bottom of the screen, the taskbar shows various icons for Microsoft Office applications like Word, Excel, and Powerpoint, along with the CloudShell icon.

The screenshot shows two instances of an AWS CloudShell terminal window. Both windows are running the nano text editor on an EC2 instance with the identifier i-0df8bc4a5782fea4c.

Top Terminal (copy.yaml):

```
copy: scr=/etc/ansible/roles/nginx/files/index.html dest=/var/www/html/
```

Bottom Terminal (main.yaml):

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

File | Edit | Insert | View | Help

Start Course | Instances | EC2 | Intellipaat Online | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | IP AWS 22Nov - Go... | Git B-1 2023 - Go... | devopstrain23/my... | Docker B-1 2023 - ... | KB - B1-2023 - Go... | Jenkins B1- 2023 - ... | All Bookmarks

AWS Services Search [Alt+S]

CloudWatch RDS S3 Amazon Redshift IAM

GNU nano 6.2 main.yml *

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

Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous
Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next

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

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ENG IN 102 AM 11/4/2023

File | Edit | Insert | View | Help

Start Course | Instances | EC2 | Intellipaat Online | EC2 Instance Connect | EC2 Instance Connect | EC2 Instance Connect | IP AWS 22Nov - Go... | Git B-1 2023 - Go... | devopstrain23/my... | Docker B-1 2023 - ... | KB - B1-2023 - Go... | Jenkins B1- 2023 - ... | All Bookmarks

AWS Services Search [Alt+S]

CloudWatch RDS S3 Amazon Redshift IAM

ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache\$ ls
install.yaml main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache\$ sudo nano copy.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache\$ sudo nano main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache\$ cd ..
ubuntu@ip-172-31-19-150:/etc/ansible/roles/apache\$ ls
apache nginx
ubuntu@ip-172-31-19-150:/etc/ansible/roles\$ cd nginx/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx\$ cd files/
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/files\$ sudo nano index.html
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/files\$ cd ..
ubuntu@ip-172-31-19-150:/etc/ansible/roles\$ ls
install.yaml main.yaml
ubuntu@ip-172-31-19-150:/etc/ansible/roles/nginx/tasks\$ sudo nano copy.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:\$ ansible-playbook play3.yaml --syntax-check

playbook: play3.yaml
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 103 AM 11/4/2023

The screenshot shows a browser window with multiple tabs open. The main content area displays the output of an Ansible playbook run on two hosts (172.31.31.183 and 172.31.17.26). The output includes tasks for copying files, gathering facts, installing and configuring Nginx, and replacing default pages. The final PLAY RECAP summary shows all tasks were successful (ok=5, changed=1) across both hosts.

```
TASK [apache : copying custom html file] ****
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] ****
ok: [172.31.17.26]
TASK [nginx : include_tasks] ****
included: /etc/ansible/roles/nginx/tasks/copy.yaml for 172.31.17.26
TASK [nginx : replace default nginx page with custom html file] ****
changed: [172.31.17.26]
changed: [172.31.17.26]
PLAY RECAP ****
172.31.17.26      : ok=5      changed=1      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0
172.31.31.183    : ok=5      changed=1      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0
```

Below the terminal output, the browser displays the results of the playbook execution. It shows a CloudShell tab and a Feedback tab. The main content area shows a browser window with two tabs: one for IP 52.90.250.91 and another for IP 3.80.115.141. Both tabs show a "Not secure" warning. The content of the browser window is a simple HTML page with the text "Custom Apache2 Page HTML file".

