Ansible - Assignment 4

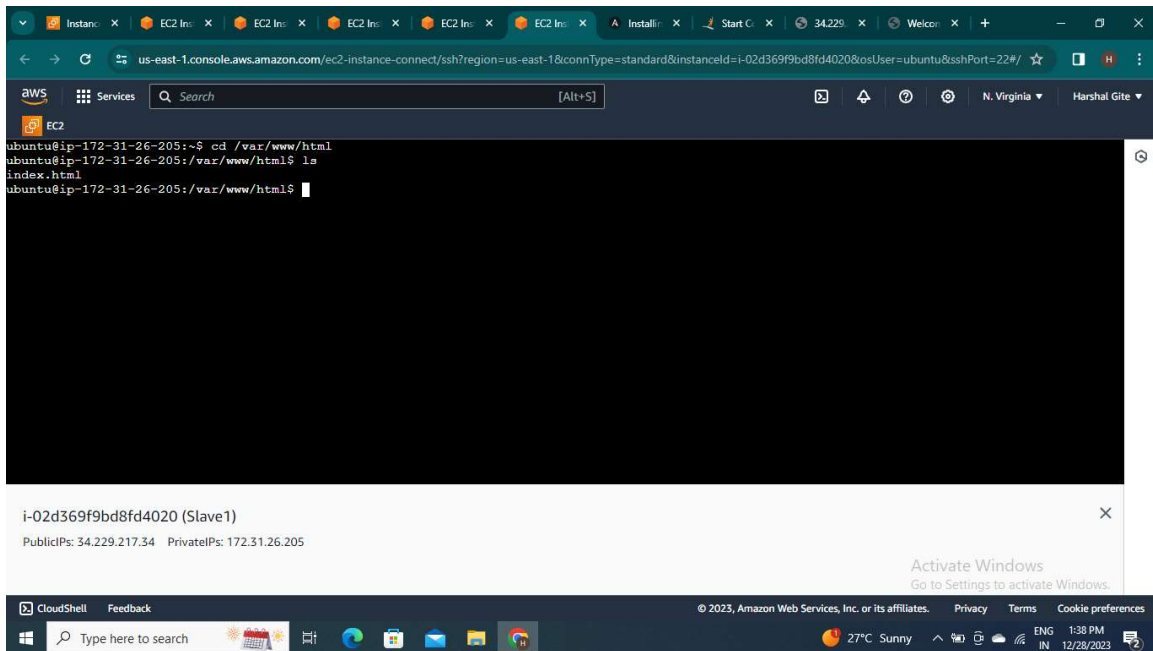Email - harshalgite888@gmail.com

Tasks:

1. Use the previous deployment of ansible cluster

2. Configure the files folder in the role with index.html which should be replaced

   with the original index.html

All of the above should only happen on the slave which has nginx installed using the role

Solution:

Steps:

```
ubuntu@ip-172-31-23-251:/etc/ansible$ cd roles
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ ls
apache2  nginx  prod  test
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd apache2
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2$ cd tasks
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/tasks$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2$ cd files
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$ ls
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$
```

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251


```
GNU nano 6.2                          index.html *
custom page for apache2
```

^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy   ^Q Where Was

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251
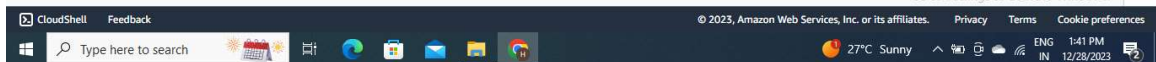
2

Screenshot 1 (terminal):

```
ubuntu@ip-172-31-23-251:/etc/ansible$ cd roles
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ ls
apache2  nginx  prod  test
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd apache2
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2$ cd tasks
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/tasks$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2$ cd files
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$ ls
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$ sudo nano index.html
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$ ls
index.html
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$ pwd
/etc/ansible/roles/apache2/files
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$ ^C
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/files$
```

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

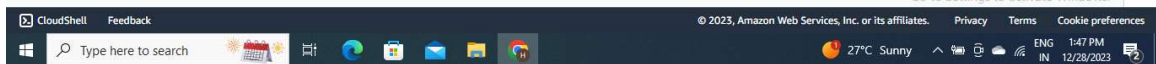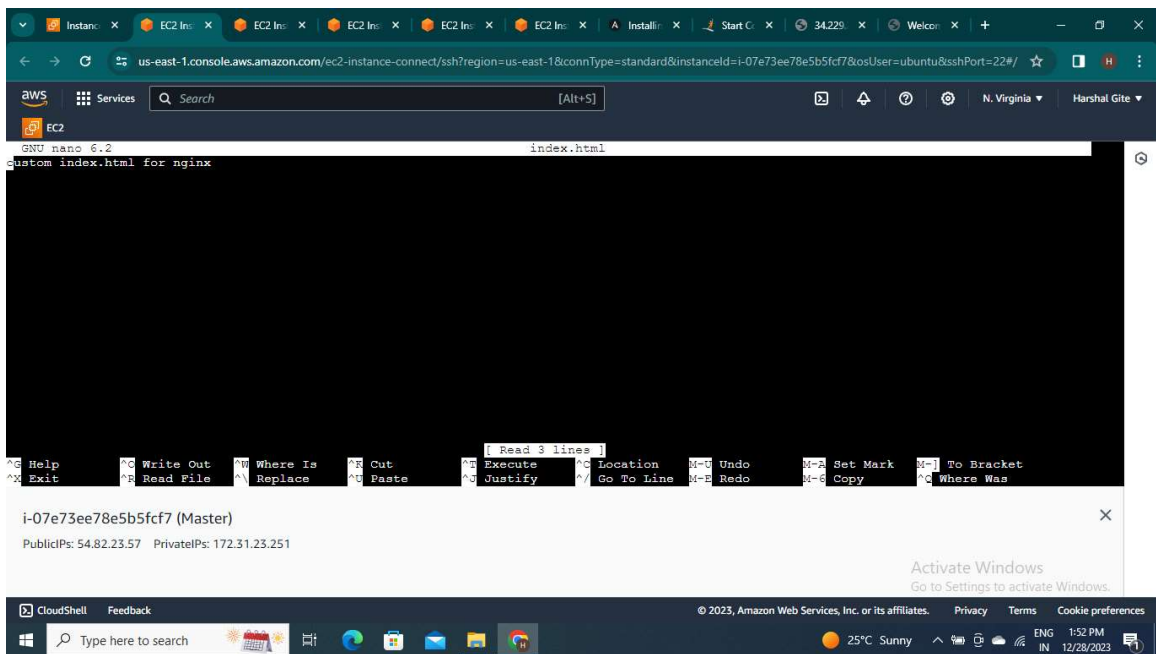**Screenshot 2 (nano editor):**
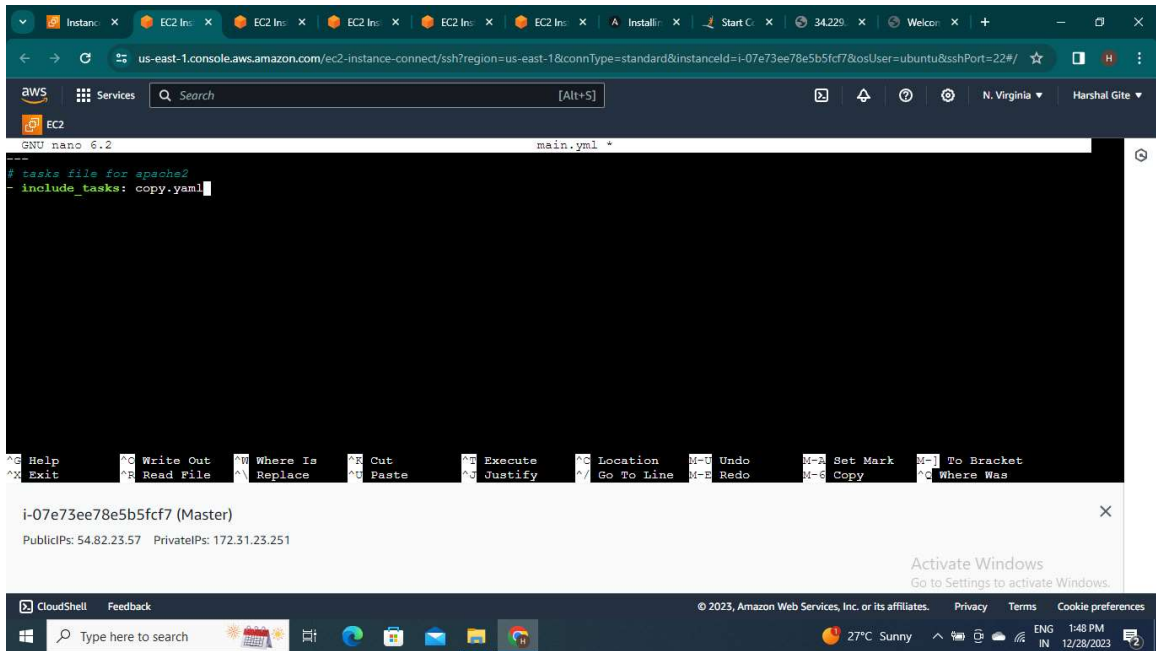
```
  GNU nano 6.2                          copy.yaml *
---
- name: copyiung the new file
  copy:
       src=/etc/ansible/roles/apache2/files/index.html dest=var/www/html
```

```
^G Help        ^O Write Out   ^W Where Is    ^K Cut      ^T Execute     ^C Location    M-U Undo    M-A Set Mark   M-] To Bracket
^X Exit        ^R Read File    ^\ Replace    ^U Paste    ^J Justify     ^/ Go To Line  M-E Redo    M-6 Copy       ^Q Where Was
```

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

```
---
- name: copying new file
  copy:
    src: /etc/ansible/roles/nginx/files
    dest: /var/www/html
```

^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy   ^Q Where Was
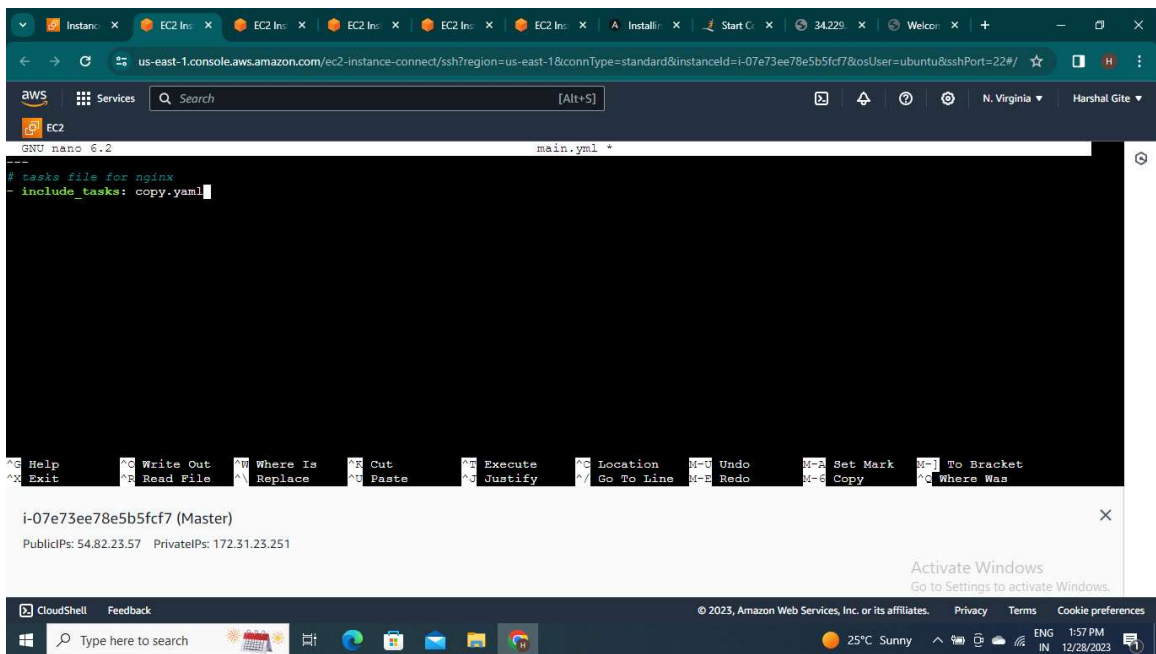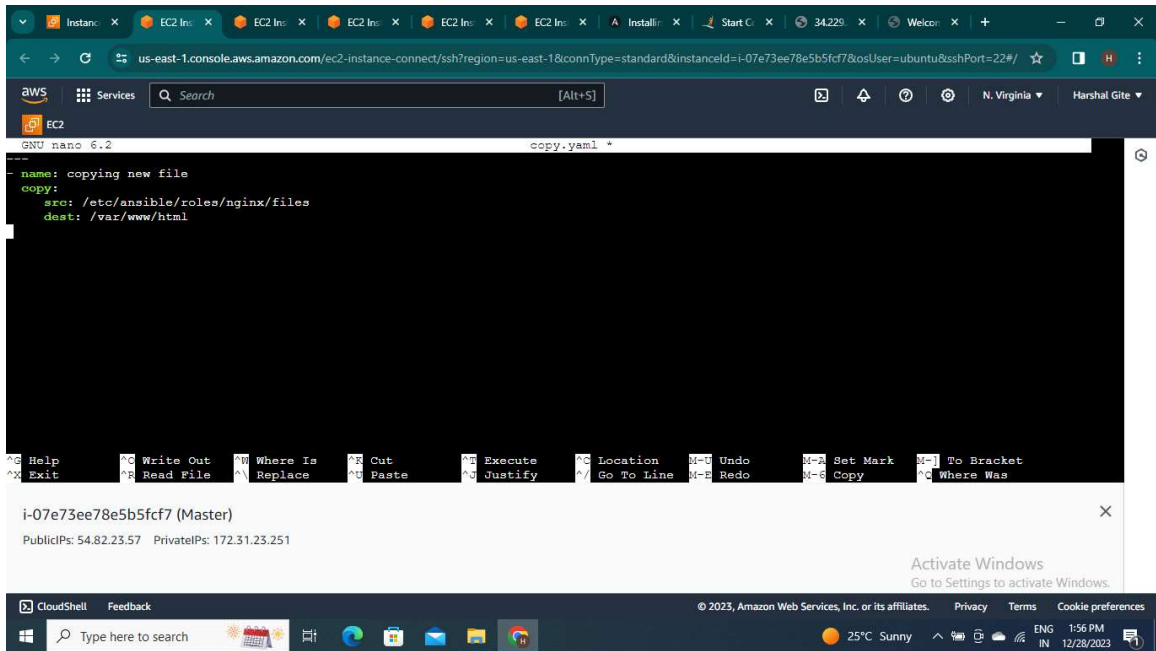
i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

Activate Windows
Go to Settings to activate Windows.

GNU nano 6.2   main.yml *

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

^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy   ^Q Where Was

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

Activate Windows
Go to Settings to activate Windows.

Screen 1 (terminal):

```
-bash: cd: tasks: No such file or directory
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/files$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/tasks$ sudo nano main.yml
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/tasks$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd apachee2
-bash: cd: apachee2: No such file or directory
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd apache2
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2$ cd tasks
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2/tasks$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles/apache2$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible$ cd roles
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-23-251:/etc/ansible/roles/nginx/tasks$ cd ../..
ubuntu@ip-172-31-23-251:/etc/ansible/roles$ cd ..
ubuntu@ip-172-31-23-251:/etc/ansible$ sudo nano assign4.yaml
ubuntu@ip-172-31-23-251:/etc/ansible$
```

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

Screen 2 (nano editor):

```
  GNU nano 6.2                          assign4.yaml *
---
- name: custom apache2 webpage on slave1
  hosts: slave1
  become: true
  roles:
  - apache2

- name: custom nginx webpage on slave2
  hosts: slave2
  become: true
  roles:
  - nginx
```

```
^G Help        ^O Write Out   ^W Where Is    ^K Cut       ^T Execute    ^C Location    M-U Undo    M-A Set Mark   M-] To Bracket
^X Exit        ^R Read File   ^\ Replace     ^U Paste     ^J Justify    ^_ Go To Line  M-E Redo    M-6 Copy       ^Q Where Was
```

i-07e73ee78e5b5fcf7 (Master)

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

```
ubuntu@ip-172-31-23-251:/etc/ansible$ sudo nano assign4.yaml
ubuntu@ip-172-31-23-251:/etc/ansible$ ansible-playbook assign4.yaml

PLAY [custom apache2 webpage on slave1] ****************************************

TASK [Gathering Facts] ********************************************************
ok: [slave1]

TASK [apache2 : include_tasks] ************************************************
included: /etc/ansible/roles/apache2/tasks/copy.yaml for slave1

TASK [apache2 : copyiung the new file] ****************************************
changed: [slave1]

PLAY [custom nginx webpage on slave2] *****************************************

TASK [Gathering Facts] ********************************************************
ok: [slave2]

TASK [nginx : include_tasks] **************************************************
included: /etc/ansible/roles/nginx/tasks/copy.yaml for slave2

TASK [nginx : copying new file] ***********************************************
```

i-07e73ee78e5b5fcf7 (Master)   ✕

PublicIPs: 54.82.23.57   PrivateIPs: 172.31.23.251

custom page for apache2

custom index.html for nginx