

## Module 5: Ansible Assignment - 2

### Tasks To Be Performed:

1. Create a script which can add text “This text has been added by custom script” to /tmp.1.txt
2. Run this script using Ansible on all the hosts

### SOLUTION:

#### Step1: Cheked /tmp.1.txt not present on both Slaves

```
ubuntu@ip-172-31-8-186:~$ cd
ubuntu@ip-172-31-8-186:~$ cd /temp
-bash: cd: /temp: No such file or directory
ubuntu@ip-172-31-8-186:~$ cd /tmp
ubuntu@ip-172-31-8-186:/tmp$ ls
hsperfdata_root
hsperfdata_ubuntu
snap-private-tmp
systemd-private-d5769c9c228a4ef9911debc32554ae2-ModemManager.service-A2KeK6
systemd-private-d5769c9c228a4ef9911debc32554ae2-chrony.service-Yii0P0
systemd-private-d5769c9c228a4ef9911debc32554ae2-polkit.service-ZDKOT9
systemd-private-d5769c9c228a4ef9911debc32554ae2-systemd-logind.service-zyab35
systemd-private-d5769c9c228a4ef9911debc32554ae2-systemd-resolved.service-4frlBO
ubuntu@ip-172-31-8-186:/tmp$
```

i-0b34b819b3084418a (Ansible-S1)

PublicIPs: 65.2.78.174 PrivateIPs: 172.31.8.186

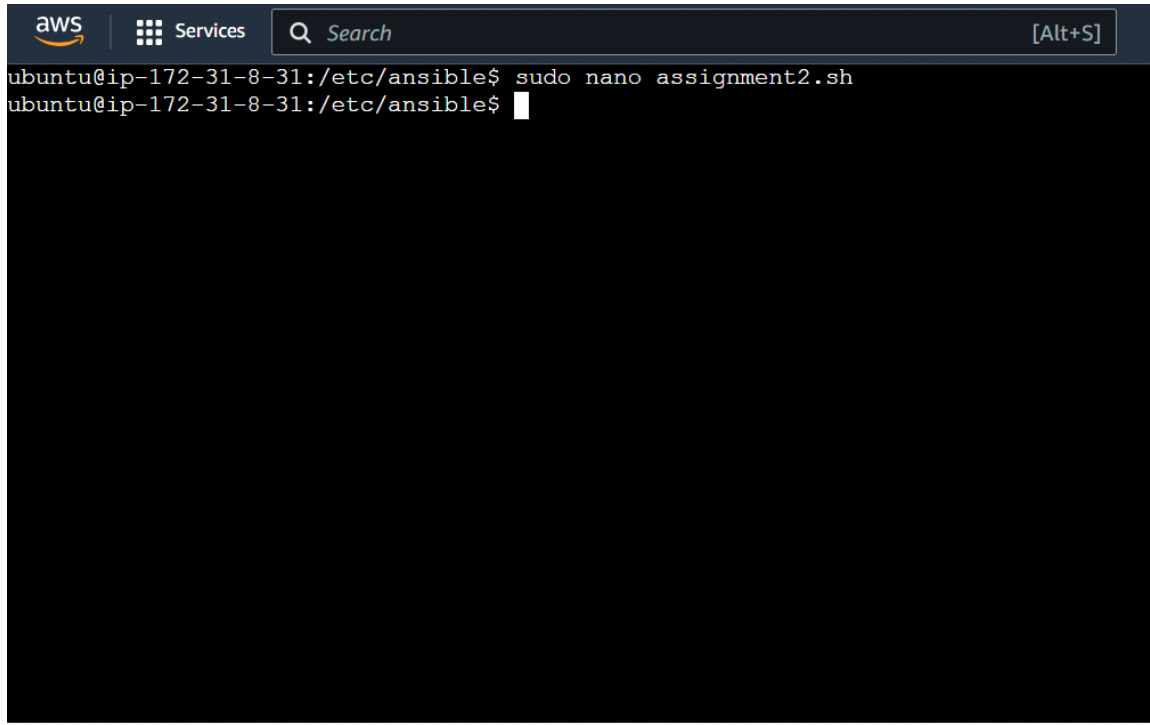
```
ubuntu@ip-172-31-9-136:~$ cd /temp
-bash: cd: /temp: No such file or directory
ubuntu@ip-172-31-9-136:~$ cd /tmp
ubuntu@ip-172-31-9-136:/tmp$ ls
snap-private-tmp
systemd-private-b921ad6d7738479eb376b5f24414ac6e-ModemManager.service-ecaA3d
systemd-private-b921ad6d7738479eb376b5f24414ac6e-chrony.service-tVo2xA
systemd-private-b921ad6d7738479eb376b5f24414ac6e-polkit.service-3nX3Sq
systemd-private-b921ad6d7738479eb376b5f24414ac6e-systemd-logind.service-fxtkI6
systemd-private-b921ad6d7738479eb376b5f24414ac6e-systemd-resolved.service-uFZxav
tmp.XDvfDEY3H8
ubuntu@ip-172-31-9-136:/tmp$
```

i-00e222e2f8f755356 (Ansible-S2)

PublicIPs: 13.201.133.142 PrivateIPs: 172.31.9.136

## Step 2: Create the Script

Create a shell script named `assignment2.sh` with the following content:



The screenshot shows an AWS console terminal window. The top bar includes the AWS logo, a 'Services' menu, a search bar, and a '[Alt+S]' shortcut. The terminal output shows a user logged in as 'ubuntu' on an instance with IP 'ip-172-31-8-31'. The user is in the directory '/etc/ansible' and has executed the command 'sudo nano assignment2.sh'. The prompt now shows a cursor at the end of the command line.

```
aws | Services | Search [Alt+S]  
ubuntu@ip-172-31-8-31:/etc/ansible$ sudo nano assignment2.sh  
ubuntu@ip-172-31-8-31:/etc/ansible$
```

i-07b3bf267f740b1a3 (Ansible-M)  
PublicIPs: 43.204.108.130 PrivateIPs: 172.31.8.31

## Step 3: Create an Ansible Playbook

aws

Services

Search

GNU nano 7.2

```
---
- name: executing task on slaves
  become: yes
  hosts: all
  tasks:
    - name: running script on all hosts
      script: assignment2.sh
```

^G Help

^X Exit

^O Write Out

^R Read File

^W Where Is

^\_ Replace

^K Cut

^U Pas

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130 PrivateIPs: 172.31.8.31

#### Step 4: Running the Playbook

```
aws Services Search [Alt+S]
ubuntu@ip-172-31-8-31:/etc/ansible$ sudo nano assignment2.sh
ubuntu@ip-172-31-8-31:/etc/ansible$ sudo nano assignment2.sh
ubuntu@ip-172-31-8-31:/etc/ansible$ sudo cat assignment2.sh
echo "This text has been added by custome script">/tmp/1.txt
ubuntu@ip-172-31-8-31:/etc/ansible$ sudo nano play2.yaml
ubuntu@ip-172-31-8-31:/etc/ansible$ ansible-playbook play2.yaml --syntax-check

playbook: play2.yaml
ubuntu@ip-172-31-8-31:/etc/ansible$
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130 PrivateIPs: 172.31.8.31

```
ubuntu@ip-172-31-8-31:/etc/ansible$ ansible-playbook play2.yaml --check

PLAY [executing task on slaves] *****

TASK [Gathering Facts] *****
ok: [Slave1]
ok: [Slave2]

TASK [running script on all hosts] *****
skipping: [Slave1]
skipping: [Slave2]

PLAY RECAP *****
Slave1      : ok=1    changed=0    unreachable=0    failed=0    skipped=1    rescue=0
Slave2      : ok=1    changed=0    unreachable=0    failed=0    skipped=1    rescue=0

ubuntu@ip-172-31-8-31:/etc/ansible$
```

```

ubuntu@ip-172-31-8-31:/etc/ansible$ ansible-playbook play2.yaml

PLAY [executing task on slaves] *****

TASK [Gathering Facts] *****
ok: [Slave2]
ok: [Slave1]

TASK [running script on all hosts] *****
changed: [Slave2]
changed: [Slave1]

PLAY RECAP *****
Slave1      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
Slave2      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
ubuntu@ip-172-31-8-31:/etc/ansible$

```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130 PrivateIPs: 172.31.8.31

## Step5: Checked on the both slaves

```

ubuntu@ip-172-31-8-186:/tmp$ ls
1.txt
hsperfdata_root
hsperfdata_ubuntu
snap-private-tmp
systemd-private-d5769c9c228a4ef9911debcd325
systemd-private-d5769c9c228a4ef9911debcd325
systemd-private-d5769c9c228a4ef9911debcd325
systemd-private-d5769c9c228a4ef9911debcd325
systemd-private-d5769c9c228a4ef9911debcd325
systemd-private-d5769c9c228a4ef9911debcd325
ubuntu@ip-172-31-8-186:/tmp$

```

i-0b34b819b3084418a (Ansible-S1)

PublicIPs: 65.2.78.174 PrivateIPs: 172.31.8.186

```
ubuntu@ip-172-31-9-136:/tmp$ ls
l.txt
snap-private-tmp
systemd-private-b921ad6d7738479eb376b5f24414ac6e-Moder
systemd-private-b921ad6d7738479eb376b5f24414ac6e-chron
systemd-private-b921ad6d7738479eb376b5f24414ac6e-polki
systemd-private-b921ad6d7738479eb376b5f24414ac6e-syste
systemd-private-b921ad6d7738479eb376b5f24414ac6e-syste
tmp.XDvfDEY3H8
ubuntu@ip-172-31-9-136:/tmp$
```

i-00e222e2f8f755356 (Ansible-S2)

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