

Module 5: Ansible Assignment - 2

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:-

```
$ sudo vi add_text.sh
```

```
Server@Ansible-Server:/home/Server/ansible-cluster/playbooks$ sudo vi add_text.sh
```

<Code written in add_test.sh script.>

```
#!/bin/bash

# Add text to the file
echo "This text has been added by custom script" >> /tmp/1.txt

~
~
~
~
~
```

```
$ sudo chmod +x add_test.sh
$ sudo vi add_text.yml
```

```
Server@Ansible-Server:/home/Server/ansible-cluster/playbooks$ sudo chmod +x add_test.sh
Server@Ansible-Server:/home/Server/ansible-cluster/playbooks$ sudo vi add_text.yml
```

<Code written in add_text.yml file>

```
---
- name: Add Text to File
  hosts: cluster
  become: true
  tasks:
    - name: Transfer the script
      copy:
        src: add_text.sh
        dest: /home/Server/sh_script/add_text.sh
        mode: '0755'

    - name: Run the script
      command: /home/Server/sh_script/add_text.sh
```

\$ ansible-playbook -i /etc/ansible/hosts add_text.yml --check

```
Server@Ansible-Server:/home/Server/ansible-cluster/playbooks$ ansible-playbook -i /etc/ansible/hosts add_text.yml --check

PLAY [Add Text to File] *****
*****

TASK [Gathering Facts] *****
*****
ok: [172.31.83.14]
ok: [172.31.81.59]

TASK [Transfer the script] *****
*****
changed: [172.31.83.14]
changed: [172.31.81.59]

TASK [Run the script] *****
*****
skipping: [172.31.83.14]
skipping: [172.31.81.59]

PLAY RECAP *****
*****
172.31.81.59      : ok=2    changed=1    unreachable=0    failed=0    skipped=1    rescued=0
  ignored=0
172.31.83.14      : ok=2    changed=1    unreachable=0    failed=0    skipped=1    rescued=0
  ignored=0
```

```
$ ansible-playbook -i /etc/ansible/hosts add_text.yml
```

```
Server@Ansible-Server:/home/Server/ansible-cluster/playbooks$ ansible-playbook -i /etc/ansible/hosts add_text.yml

PLAY [Add Text to File] *****
*****

TASK [Gathering Facts] *****
*****
ok: [172.31.83.14]
ok: [172.31.81.59]

TASK [Transfer the script] *****
*****
changed: [172.31.83.14]
changed: [172.31.81.59]

TASK [Run the script] *****
*****
changed: [172.31.83.14]
changed: [172.31.81.59]

PLAY RECAP *****
*****
172.31.81.59      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0
  ignored=0
172.31.83.14      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0
  ignored=0
```

Node1:-

```
$ pwd
```

```
$ ls -al
```

```
Server@Ansible-Node1:/home/Server/sh_script$ pwd
/home/Server/sh_script
Server@Ansible-Node1:/home/Server/sh_script$ ls -al
total 12
drwxrwxr-x 2 Server Server 4096 Aug 13 09:45 .
drwxr-x--- 6 Server Server 4096 Aug 13 09:42 ..
-rwxr-xr-x 1 root  root   100 Aug 13 09:45 add_text.sh
```

Node2:-

```
$ pwd
```

```
$ ls -al
```

```
Server@Ansible-Node2:/home/Server/sh_script$ pwd
/home/Server/sh_script
Server@Ansible-Node2:/home/Server/sh_script$ ls -al
total 12
drwxrwxr-x 2 Server Server 4096 Aug 13 09:45 .
drwxr-x--- 6 Server Server 4096 Aug 13 09:43 ..
-rwxr-xr-x 1 root  root   100 Aug 13 09:45 add_text.sh
```