

Module 5: Ansible Assignment - 2

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Course Offered: -Advanced Cloud Computing and Devops

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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

1. Create a script which can add text “This text has been added by custom script” to /tmp.1.txt

Step 1: Create the Shell Script (add_text.sh)

Create a script in the same directory as your Ansible playbook:

```
#!/bin/bash
```

```
echo "This text has been added by custom script" >> /tmp/1.txt
```

Give it execute permissions:

```
chmod +x add_text.sh
```

Step 2: Create the Ansible Playbook (add_text_playbook.yml)

This playbook will:

1. Copy add_text.sh to all hosts.
2. Ensure it has execution permission.
3. Run the script on each host.

First We need to verify that hosts is available or not in ansible master server.

In My case I added only one server.

```
[webservers]
172.31.19.94
[ec2-user@ip-172-31-25-109 ansible]$
```

Then Need to verify the server ping or not

So in this case I used to **ansible -m ping all** command.so you will see like this output.

```
[ec2-user@ip-172-31-25-109 ansible]$ ansible -m ping all
172.31.19.94 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
[ec2-user@ip-172-31-25-109 ansible]$
```

Then Create add_text_playbook.yml file and add below contain.

This is the **add_text_playbook.yml**

```
---
- name: Run Custom Script to Append Text
  hosts: all
  become: true

  tasks:
    - name: Copy script to remote hosts
      copy:
        src: add_text.sh
        dest: /tmp/add_text.sh
        mode: '0755'

    - name: Execute script on remote hosts
      command: /tmp/add_text.sh
```

```
[ec2-user@ip-172-31-25-109 ansible]$ cat add_text_playbook.yml
---
- name: Run Custom Script to Append Text
  hosts: webserver
  become: true

  tasks:
    - name: Copy script to remote host
      copy:
        src: add_text.sh
        dest: /tmp/add_text.sh
        mode: '0755'

    - name: Execute script on remote host
      command: /tmp/add_text.sh
[ec2-user@ip-172-31-25-109 ansible]$ █
```

2. Run this script using Ansible on all the hosts

Step 3: Run the Ansible Playbook

Then after executing the playbook with:

ansible-playbook add_text_playbook.yml

After execution, the file /tmp/1.txt on all hosts should contain:

```
-rw-r--r--. 1 root root 42 Feb 28 17:32 1.txt
-rwxr-xr-x. 1 root root 75 Feb 28 17:23 add_text.sh
-rwxr-xr-x. 1 root root 68 Feb 28 17:16 assignment2.sh
drwx-----, 3 root root 17 Feb 28 15:10 systemd-private-ce61c52addfa4d1986af4cc1675600f9-chronyd.service-Fp0tqh
drwx-----, 3 root root 17 Feb 28 15:10 systemd-private-ce61c52addfa4d1986af4cc1675600f9-dbus-broker.service-ER4S71
drwx-----, 3 root root 17 Feb 28 15:10 systemd-private-ce61c52addfa4d1986af4cc1675600f9-kdump.service-tTX5Nu
drwx-----, 3 root root 17 Feb 28 16:48 systemd-private-ce61c52addfa4d1986af4cc1675600f9-nginx.service-BBJ0Tp
drwx-----, 3 root root 17 Feb 28 15:10 systemd-private-ce61c52addfa4d1986af4cc1675600f9-systemd-Logind.service-GdtTS8
[ec2-user@ip-172-31-19-94 tmp]$
```

```
drwx-----, 3 root root 17 Feb 28 15:10 system
[ec2-user@ip-172-31-19-94 tmp]$ cat 1.txt
This text has been added by custom script
[ec2-user@ip-172-31-19-94 tmp]$
```

After check the slave server you will see the one notepad has been created in text format.