Module 3: Ansible Modules and Roles

Demo Document - 2

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Demo: Create validate and Execute Playbook

Problem Statement:

Creating, validating, and executing a sample playbook to install httpd.

Solution Steps:

1. Create a **httpd.yml** file which has content as shown below in the **ansible controller** machine.

```
thor@ansible-controller ~$ cat httpd.yml
- hosts: web1
  tasks:
  - name: Install httpd package
    yum: name=httpd state=installed
thor@ansible-controller ~$
```

2. Check the **inventory** file which has the hosts against which the playbook is run.

```
thor@ansible-controller ~/playbooks$ cat inventory
web1 ansible_host=172.20.1.100 ansible_ssh_pass=Passw0rd ansible_user=root
thor@ansible-controller ~/playbooks$
```

3. Validate the playbook as shown below by using **ansible-playbook -i inventory httpd.yml – check**

```
thor@ansible-controller ~/playbooks$ ansible-playbook -i inventory httpd.yml --check

PLAY [web1] ********************************************************************

TASK [Install httpd package] **************************************************
changed: [web1]

PLAY RECAP ********************************************************************
web1                       : ok=1    changed=1    unreachable=0    failed=0

thor@ansible-controller ~/playbooks$
```

4. Execute the playbook as shown below using **ansible-playbook -i inventory httpd.yml**

```
thor@ansible-controller ~/playbooks$ ansible-playbook -i inventory httpd.yml

PLAY [web1] ************************************************************************

TASK [Install httpd package] ******************************************************
changed: [web1]

PLAY RECAP ************************************************************************
web1                       : ok=1    changed=1    unreachable=0    failed=0

thor@ansible-controller ~/playbooks$
```