Module 2: Server Provisioning using Ansible CLI and Playbook

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Demo – 2: Ansible Playbook

Note: Text editor used in this demo is nano. You can use any other editor without any problems

- Navigate to the ansible directory

  Syntax: cd /etc/ansible

  ```
  edureka@edureka:/etc/ansible$ cd
  edureka@edureka:~$ cd /etc/ansible
  ```

- Create a YAML file (playbooks are written in YAML and have a .yml extension)

  Syntax: sudo nano playbook1.yml

  ```
  edureka@edureka:/etc/ansible$ sudo nano playbook1.yml
  ```

■ Write the tasks for the play

```
---
- hosts: all
  become: true
  vars:
   ansible_become_pass: edureka
  tasks:
  - name: install ntp
    apt:
     pkg: ntp
     state: present
    notify:
     - run update
  - name: install vim
    apt:
     pkg: vim
     state: present
  - name: start ntp service
    service:
     name: ntp
     state: started
     enabled: true
  handlers:
  - name: run update
    apt:
     update_cache: yes
```

- To run the playbook, use ansible-playbook command

```
edureka@edureka:/etc/ansible$ ansible-playbook playbook1.yml

PLAY [all] ****************************************************************************

TASK [Gathering Facts] ***************************************************************
ok: [app1]
ok: [db1]

TASK [install ntp] *******************************************************************
changed: [app1]
changed: [db1]

TASK [install vim] *******************************************************************
ok: [db1]
changed: [app1]

TASK [start ntp service] *************************************************************
ok: [db1]
ok: [app1]

RUNNING HANDLER [run update] *********************************************************
changed: [db1]
changed: [app1]

PLAY RECAP ***************************************************************************
app1                       : ok=5    changed=3    unreachable=0    failed=0
db1                        : ok=5    changed=2    unreachable=0    failed=0

edureka@edureka:/etc/ansible$
```