Lesson 05 Demo 04

Implementing Conditionals in Playbooks

Objective: To implement conditionals in playbooks to control the execution of tasks based on specific conditions

Tools required: Linux terminal

Prerequisites: None

Steps to be followed:
1. Create and run the playbook containing conditionals

Step 1: Create and run the playbook containing conditionals

1.1 Create a playbook file named conditionals.yaml using the following command:
   sudo nano conditionals.yaml

```
poojahksimplile@ip-172-31-79-37:~$ sudo nano conditionals.yaml
poojahksimplile@ip-172-31-79-37:~$
```

1.2 Copy and paste the below script into the conditionals.yaml file:
```
---
- hosts: webservers
  become: true
  tasks:
    - name: "Sample Message"
      command: echo "Testing"
      when: ansible_facts['os_family'] == "Ubuntu"

    - name: "Testing Debian"
      command: echo "Debian"
      when: ansible_facts['os_family'] == "Debian"

    - name: "Testing either CentOS 6 or Debian 7 systems"
      command: echo "Either CentOS6 or Debian 7"
      when: >
        (ansible_facts['distribution'] == "CentOS" and
  ansible_facts['distribution_major_version'] == "6") or
        (ansible_facts['distribution'] == "Debian" and
  ansible_facts['distribution_major_version'] == "7")
```

```
        - name: "Testing CentOS"
          command: echo "CentOS"
          when:
            - ansible_facts['distribution'] == "CentOS"
            - ansible_facts['distribution_major_version'] == "6"
```

```
File  Edit  View  Search  Terminal  Help
 GNU nano 6.2                                         conditionals.yaml *
---
- hosts: webservers
  become: true
  tasks:
    - name: "Sample Message"
      command: echo "Testing"
      when: ansible_facts['os_family'] == "Ubuntu"

    - name: "Testing Debian"
      command: echo "Debian"
      when: ansible_facts['os_family'] == "Debian"

    - name: "Testing either CentOS 6 or Debian 7 systems"
      command: echo "Either CentOS6 or Debian 7"
      when: >
        (ansible_facts['distribution'] == "CentOS" and ansible_facts['distribution_major_version'] == "6") or
        (ansible_facts['distribution'] == "Debian" and ansible_facts['distribution_major_version'] == "7")

    - name: "Testing CentOS"
      command: echo "CentOS"
      when:
        - ansible_facts['distribution'] == "CentOS"
        - ansible_facts['distribution_major_version'] == "6"
```

1.3 Run the following command to execute the playbook:
     ansible-playbook conditionals.yaml

```
poojahksimplile@ip-172-31-79-37:~$ ansible-playbook conditionals.yaml

PLAY [webservers] ********************************************************************************

TASK [Gathering Facts] ***************************************************************************
ok: [localhost]

TASK [Sample Message] ****************************************************************************
skipping: [localhost]

TASK [Testing Debian] ****************************************************************************
changed: [localhost]

TASK [Testing either CentOS 6 or Debian 7 systems] *********************************************
skipping: [localhost]

TASK [Testing CentOS] ****************************************************************************
skipping: [localhost]

PLAY RECAP ***************************************************************************************
localhost                  : ok=2    changed=1    unreachable=0    failed=0    skipped=3    rescued=0    ignored=0

poojahksimplile@ip-172-31-79-37:~$
```

By following these steps, you have successfully implemented conditionals in
playbooks to control the execution of tasks based on specific conditions.