

EXP NO: 8	Install Ansible and configure ansible roles and to write playbooks
DATE:	

**AIM: -**

To Install Ansible and configure ansible roles and to write playbooks.

**ALGORITHM / PROCEDURE: -**

1. Install Ansible: Install Ansible on your machine using a package manager like apt, yum, or pip, depending on your operating system.
2. Create Ansible Roles: Roles are a way of organizing your playbooks into reusable components. You can create roles using the ansible-galaxy command.
3. Structure the Roles Directory: A role typically consists of a directory structure that includes tasks, handlers, templates, files, defaults, and vars.
4. Write Playbooks: A playbook is a YAML file that defines the tasks to be executed. You can reference roles in your playbook to apply the tasks defined in the role.
5. Run the Playbook: Use the ansible-playbook command to run your playbooks, applying the defined roles to the specified hosts.

**CODING: -**

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- name: Install Nginx

apt:

name: nginx

state: present

update\_cache: yes

- name: Start and enable Nginx service

service:

name: nginx

state: started

enabled: yes

## OUTPUT: -

```
ubuntu@ip-10-111-4-53:~$ ansible-playbook apache.yml --check

PLAY [update web servers] *****

TASK [Gathering Facts] *****
ok: [10.111.4.18]

TASK [ensure apache is at the latest version] *****
ok: [10.111.4.18]

PLAY RECAP *****
10.111.4.18          : ok=2    changed=0    unreachable=0    failed=0
```

## RESULT: -

Thus we successfully installed Ansible and configure ansible roles and to write playbooks.