**🔹 Tutorial: Using Roles in Ansible Playbook**

**1. What is a Role?**

An **Ansible role** is a way to organize playbooks by splitting them into smaller parts like **tasks, handlers, variables, templates, files**, etc.

👉 Think of it as a folder structure that makes your playbooks cleaner and reusable.

**2. Create a Role**

Let’s create a role called **apache** that installs and starts Apache web server.

ansible-galaxy init apache

This creates a folder structure like:

apache/

├── defaults/

│ └── main.yml

├── files/

├── handlers/

│ └── main.yml

├── meta/

│ └── main.yml

├── tasks/

│ └── main.yml

├── templates/

├── tests/

└── vars/

└── main.yml

**3. Define Tasks**

Edit apache/tasks/main.yml:

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- name: Install Apache

apt:

name: apache2

state: present

update\_cache: yes

- name: Start and enable Apache

service:

name: apache2

state: started

enabled: yes

**4. Create a Playbook to Use Role**

Make a file site.yml:

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- hosts: localhost

become: yes

roles:

- apache

**5. Run the Playbook**

ansible-playbook site.yml

✅ That’s it! Your Apache role will install and start Apache on localhost.  
This way you can reuse apache role in any playbook.