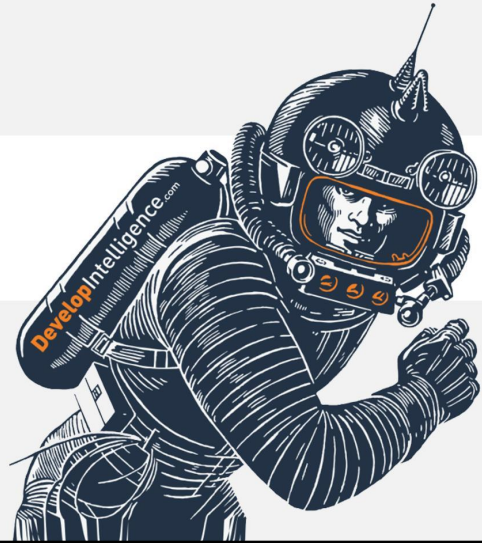


# Ansible Roles





- **Role Structure**
- Ansible Galaxy



Roles are self-contained packages of closely related ansible content.

Roles allow for:

- Sharing
- Single responsibility organization
- Re-use

What would otherwise become a very long and complex playbook can be a set of roles included in a simple playbook.

Roles are packages of closely related ansible content that can be shared more easily, reused, and just break up what would become very complex plays. They are fully functional and self-contained. They help us organize, reuse, and share our ansible code.



```
webserver/  
  README.md  
  defaults/main.yml  
  handlers/main.yml  
  meta/main.yml  
  tasks/main.yml  
  tests/main.yml  
  vars/main.yml
```

```
---  
- hosts: webservers  
  remote_user: root  
  roles:  
    - webserver
```

[https://docs.ansible.com/ansible/latest/user\\_guide/playbooks\\_reuse\\_roles.html](https://docs.ansible.com/ansible/latest/user_guide/playbooks_reuse_roles.html)



```
playbook.yml
roles/
  common/
    README.md
  defaults/
  handlers/
  meta/
  tasks/
  tests/
  vars/
webservers/
  README.md
  defaults/
  handlers/
  meta/
  tasks/
  tests/
  vars/
...
```

Basic inclusion of roles

```
---
- hosts: fullstack
  remote_user: root
  roles:
    - common
    - webservers
    - mysql_db
```

Newer syntax for more detailed ordering  
and passing vars

```
---
- hosts: fullstack
  remote_user: root
  tasks:
    - include_role:
        name: common
      vars:
        foo: bar
```



`ansible-galaxy`

- CLI tool for managing roles in shared repositories.

[galaxy.ansible.com](https://galaxy.ansible.com/)

- a public shared repository where you can find roles other have uploaded.

<https://galaxy.ansible.com/>

**ansible-galaxy install** downloads a role from the ansible galaxy repository and places it in `~/.ansible/roles/`

**ansible-galaxy list** displays a list of installed roles, with version numbers

**ansible-galaxy remove [role]** removes an installed role

**ansible-galaxy init** can be used to create a role template suitable for submission to Ansible Galaxy