



ANSIBLE



Putting It All Together
Ansible

Ansible

Expected Learning



ANSIBLE

↪ **Ansible Vault**

↪ **Common Ansible Modules**

↪ **Ansible Roles**

↪ **Ansible Galaxy**



→ Target

→ Variable

→ Task

→ Handler

→ Loops

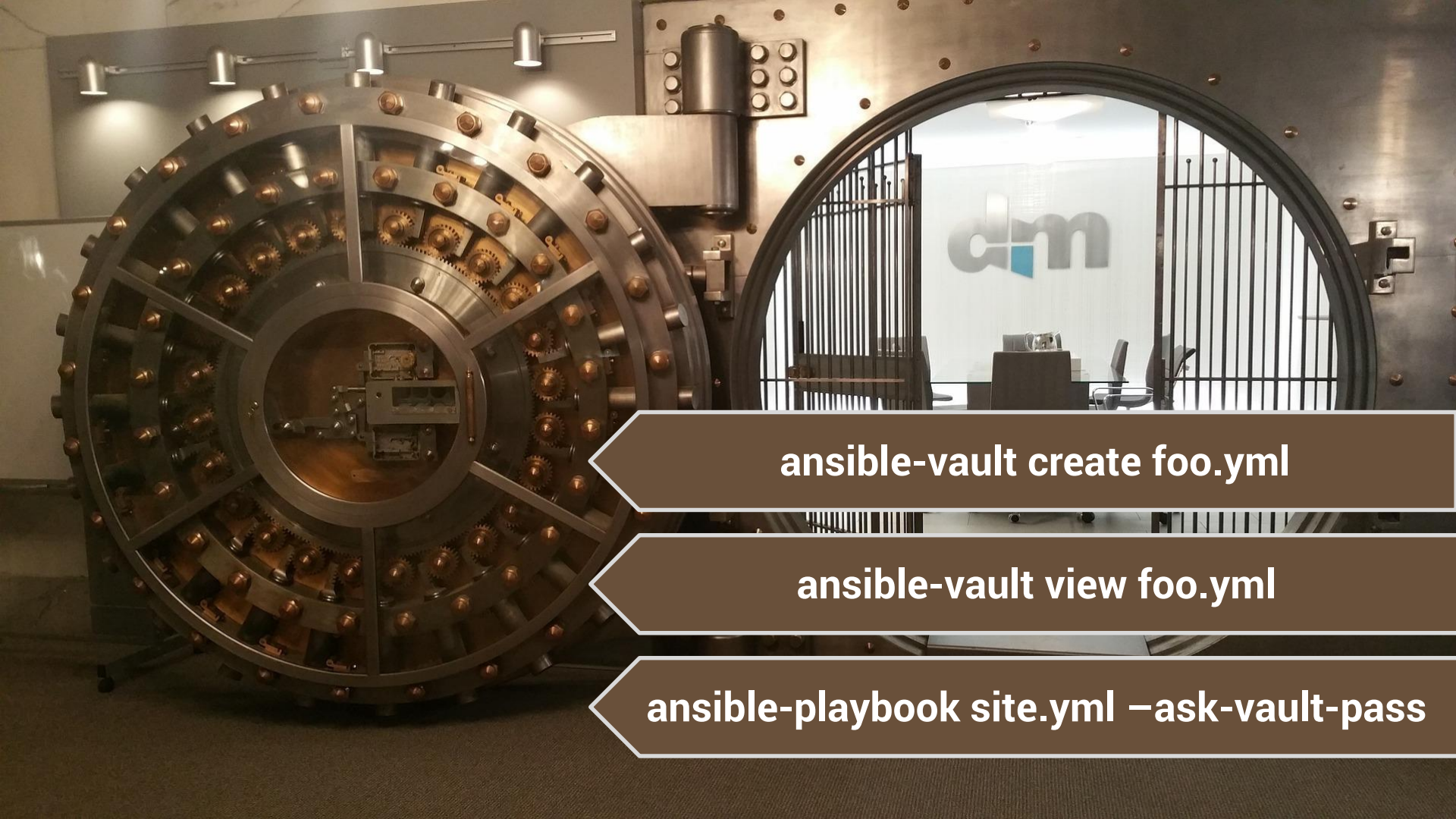
→ Conditionals

→ Until

→ Notify



Ansible Vault



ansible-vault create foo.yml


ansible-vault view foo.yml

ansible-playbook site.yml --ask-vault-pass



DEMO

Ansible Vault

- 
- ➔ **Setup Module**
 - ➔ **File Module**
 - ➔ **Yum Module**
 - ➔ **Apt Module**
 - ➔ **Service Module**
 - ➔ **Copy Module**
 - ➔ **User Module**
 - ➔ **Command Module**




DEMO

Setup Module



DEMO

File Module

- 
- ➔ Setup Module
 - ➔ File Module
 - ➔ Yum Module
 - ➔ Apt Module
 - ➔ Service Module
 - ➔ Copy Module
 - ➔ User Module
 - ➔ Command Module




DEMO

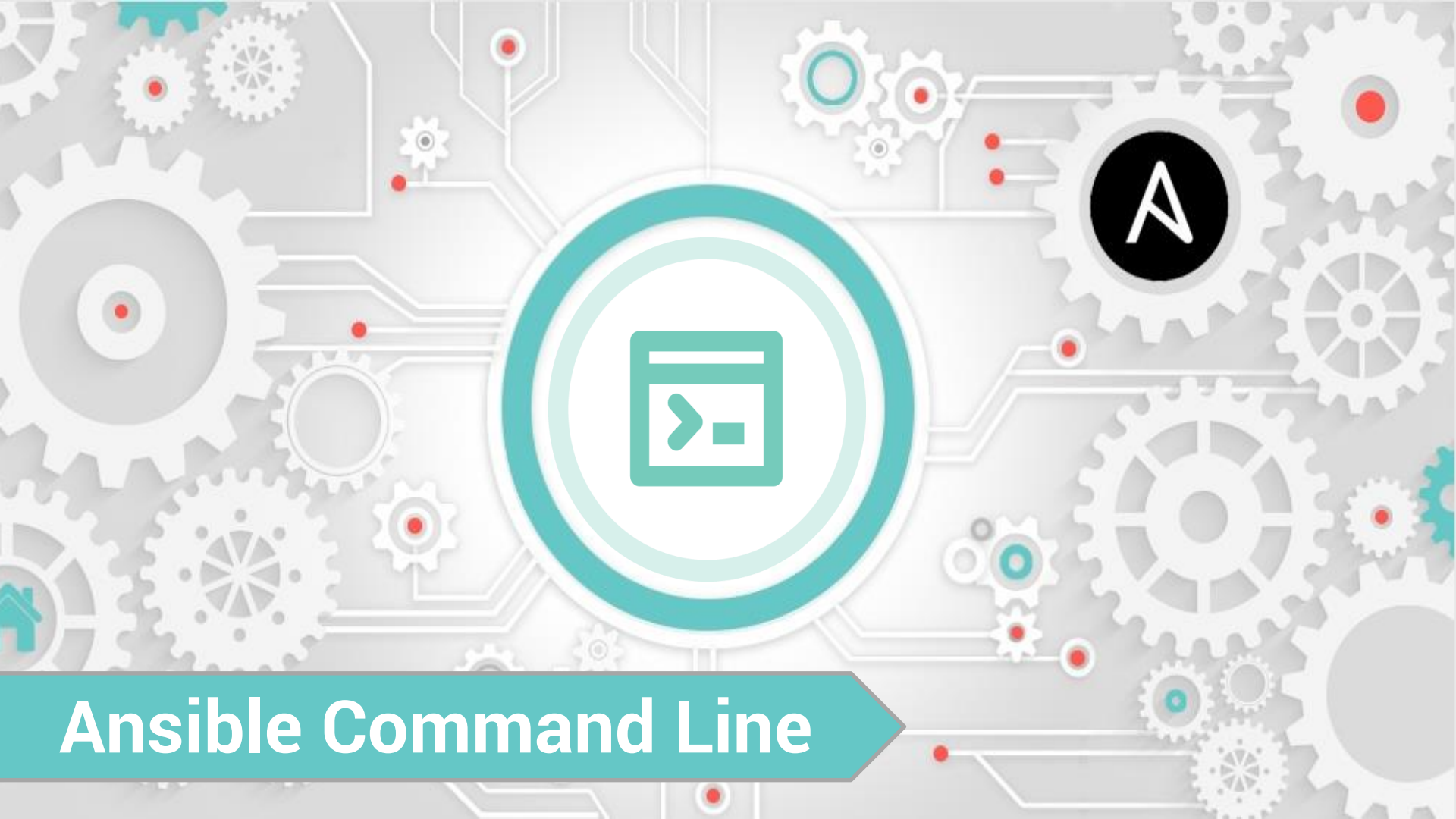
User Module



DEMO

Command Module

- 
- ➔ **Setup Module**
 - ➔ **File Module**
 - ➔ **Yum Module**
 - ➔ **Apt Module**
 - ➔ **Service Module**
 - ➔ **Copy Module**
 - ➔ **User Module**
 - ➔ **Command Module**



Ansible Command Line



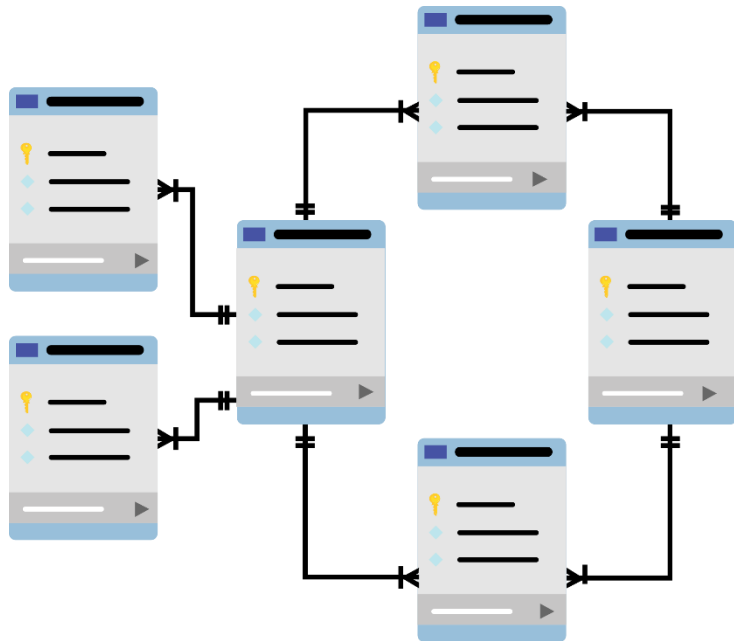
DEMO

Ansible Command Line



Ansible Roles

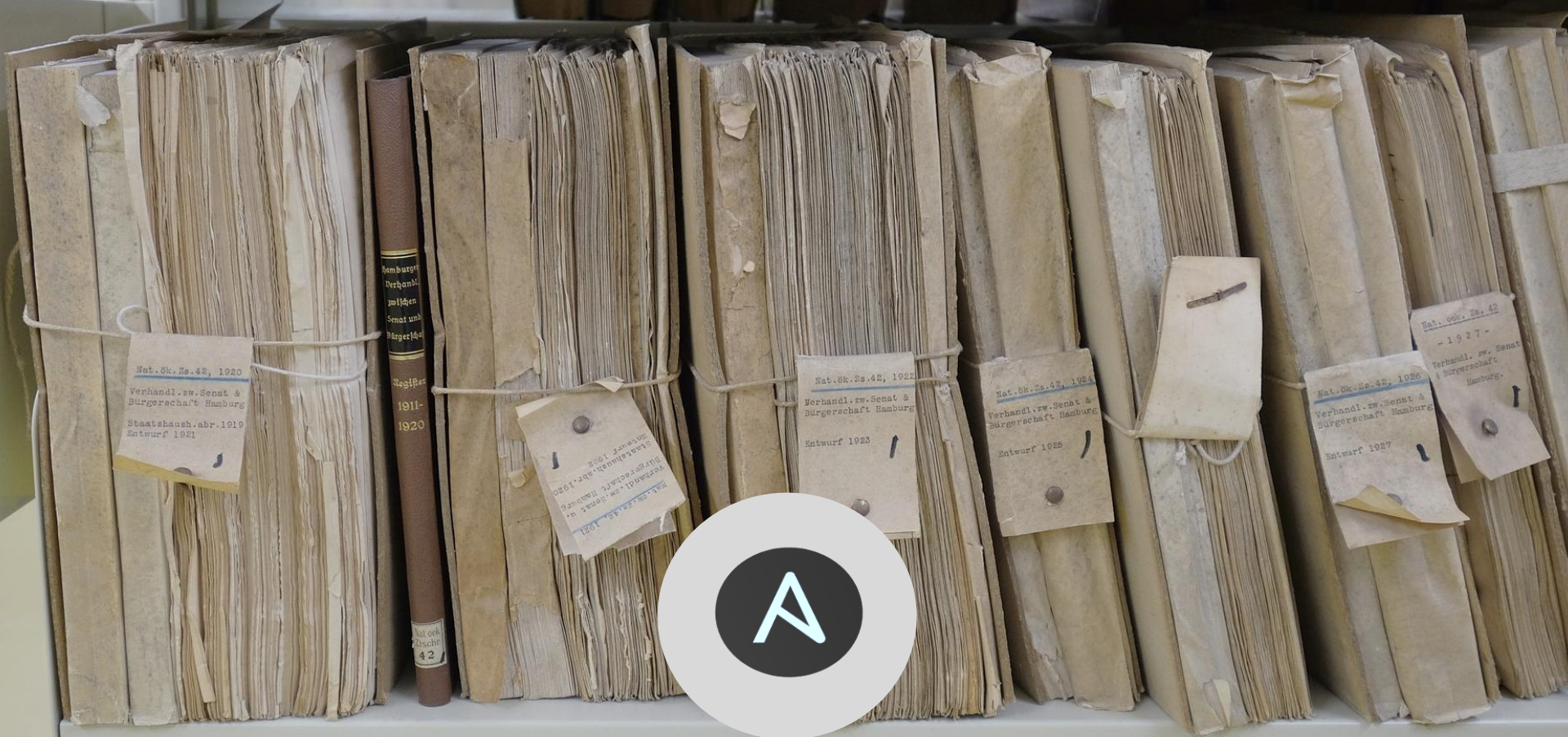


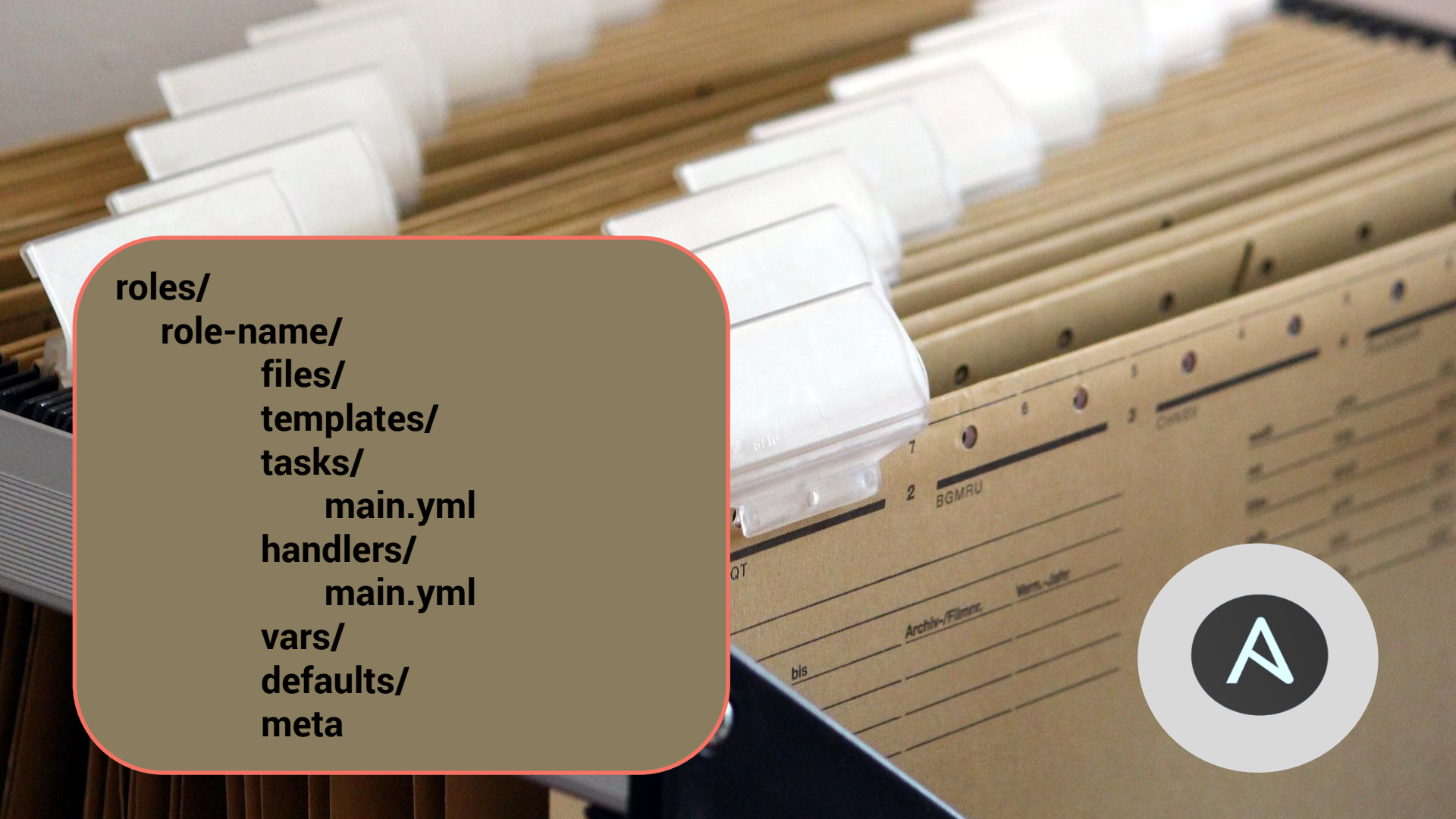


- ▼ **messaging_system** (~/.leos/messaging_system)
 - ▶ Abstracts
 - ▶ ActiveMQ
 - ▼ Rabbit
 - __init__.py
 - ArchiveManager.py
 - RabbitReceiver.py
 - RabbitSender.py
 - ▶ ZeroMQ
 - ▶ avahi
 - ▼ tests
 - __init__.py
 - PublisherSubscriberTest.py**
 - __init__.py
 - archive_receiver.py
 - archive_test.py
 - cancel_test.py
 - Example.py
 - kombu_consumer.py
 - kombu_producer.py
 - multiple_senders.py
 - SelfPublishingSender.py
 - ▶ External Libraries









**roles/
 role-name/
 files/
 templates/
 tasks/
 main.yml
 handlers/
 main.yml
 vars/
 defaults/
 meta**




```
.└─ miao.emacs
    ├── defaults
    │   └─ main.yml
    ├── files
    ├── handlers
    │   └─ main.yml
    ├── meta
    │   └─ main.yml
    ├── README.md
    ├── tasks
    │   └─ main.yml
    ├── templates
    ├── tests
    │   ├── inventory
    │   └─ test.yml
    └─ vars
        └─ main.yml
```



- ↪ Common role
- ↪ mySQL role
- ↪ Apache role
- ↪ WordPress role





DEMO

Deploy WordPress



DEMO

Ansible Galaxy

