Modules, Playbooks, and Roles
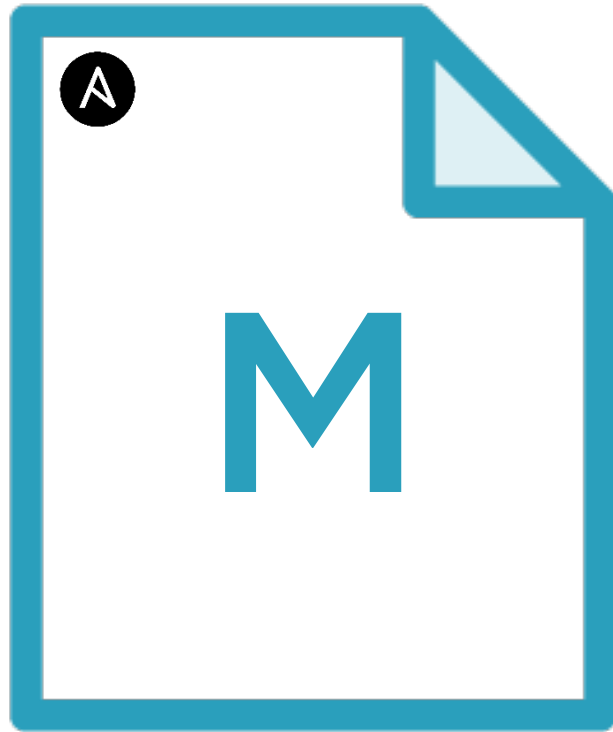
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Modules

Pre-built pieces of code, our main building blocks

Used to do tasks like copy files or add a rule to Windows firewall

Ansible Includes Many Modules

Windows Modules: win_something

http://docs.ansible.com/ansible/list_of_windows_modules.html

Demo

Execute modules from the command line

Can be used to orchestrate Windows targets on the fly

Playbooks

Playbooks are collections of commands and modules calls

Perform one or many tasks

Playbook Syntax (yaml)

```yaml
---

- hosts: web

  tasks:

  - name: Do a thing

    win_feature: "name=Package state=present"


  - name: Do another thing

    win_service: "name=W3SVC state=restarted"
```

Demo

Let's write a web server playbook

The win_feature module will be helpful to get us started

Roles

Compartmentalized collections of tasks, templates, variables, and more

Used to create a function like "web server", "email server", or "database server"

Demo

Clean up and create a web server role

Good building block for the next course module

Summary

We used modules and wrote playbooks and roles

This cleaned up our project structure

Next, we'll build the rest of our roles and tasks for the Globomantics server setup