

# What is Ansible Like?

❖ Opinionated

❖ Platform

❖ Ecosystem

❖ Managed Nodes

❖ Control Node

❖ Inventory

❖ Playbook

❖ Module

❖ Task

❖ Role

❖ Collection

## Directory Layout

The top level of the directory would contain files and directories like so:

```
production      # inventory file for production servers
staging         # inventory file for staging environment

group_vars/
  group1.yml    # here we assign variables to particular groups
  group2.yml
host_vars/
  hostname1.yml # here we assign variables to particular systems
  hostname2.yml

library/        # if any custom modules, put them here (optional)
module_utils/   # if any custom module_utils to support modules, put them here (optional)
filter_plugins/ # if any custom filter plugins, put them here (optional)

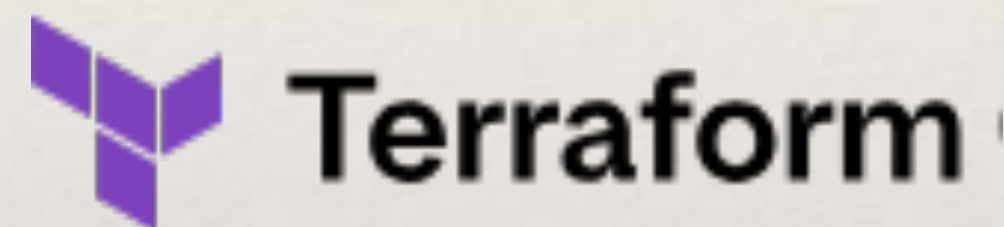
site.yml        # master playbook
webservers.yml  # playbook for webserver tier
dbservers.yml   # playbook for dbserver tier

roles/
  common/       # this hierarchy represents a "role"
    tasks/      #
      main.yml   # <-- tasks file can include smaller files if warranted
    handlers/   #
      main.yml   # <-- handlers file
    templates/  # <-- files for use with the template resource
      ntp.conf.j2 # <----- templates end in .j2
    files/      #
      bar.txt    # <-- files for use with the copy resource
      foo.sh     # <-- script files for use with the script resource
    vars/       #
      main.yml   # <-- variables associated with this role
    defaults/   #
      main.yml   # <-- default lower priority variables for this role
    meta/       #
      main.yml   # <-- role dependencies
    library/    # roles can also include custom modules
    module_utils/ # roles can also include custom module_utils
    lookup_plugins/ # or other types of plugins, like lookup in this case

webtier/        # same kind of structure as "common" was above, done for the webtier role
monitoring/     # ""
fooapp/         # ""
```



# What is Like Ansible?



Config Management

Infra As Code

Code Deployment