




Ansible for Network Automation

Ansible Variables and Folder Structure

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Directory Structure

```
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
```



Let's take a look!

- Directory Structure
- Variable Inheritance

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