

TAGS

```
ansible-playbook play1.yml --tags=my_tag
ansible-playbook play1.yml --skip-tags=my_tag
```

```
- name: Our first Playbook
hosts: all
tasks:
  - name: Install Haproxy
    yum:
      name: haproxy
      state: present
  - file:
      path: /new
      mode: "555"
      state: directory
      tags: data_creation

- name: Play 2 of 1st Playbook
hosts: redhat
tasks:
  - name: Copy a file
    copy:
      src: content.txt
      dest: /
    tags:
      - data_creation
      - content_data
```

VARIABLES

Naming Convention:

- Not Permitted:**
- No spacing between words (web server)
 - 1variable
 - remote.user
 - content\$new
- Permitted:**
- Start with a letter
 - letters, numbers, and underscore (_)

How to Define a Variable:

```
"{{ variable_name }}"

{{ variable_name }}
```

3 Major Types of Variables

Global Scope
Play Scope: Internal and External
Host Scope



Host Scope Variable

Defined in the inventory file against the IP/hostname

```
192.168.137.128 ansible_user=client1 package_name=httpd
192.168.137.139 ansible_user=client2

[redhat]
192.168.137.128

[aws_cloud]
192.168.137.139

[aws_cloud:vars]
~
~
~
~
```

Play Scope Variable

Internal

Defined in the Playbook file against a certain play

```
---

- name: Our first Playbook
hosts: all
vars:
  - package_name: haproxy
tasks:
  - name: Install Httpd
    yum:
      name: "{{ package_name }}"
      state: present
  - file:
      path: /new
      mode: "555"
      state: directory
      tags: data_creation
```

External

Defined in a separate YAML file and called inside a play

```
- package_name_2: mysql
  service_name: httpd
  content_file: content.txt
~
~
~
```

```
---

- name: Our first Playbook
hosts: all
vars_files:
  - vars.yml
tasks:
  - name: Install Httpd
    yum:
      name: "{{ package_name }}"
      state: present
  - file:
      path: /new
      mode: "555"
      state: directory
      tags: data_creation
```

Global Scope Variable

Defined in the command line against the whole playbook

```
[control@control ansible]$ ansible-playbook play3.yml -e package_name=bzip2 -e install_package=autofs
```

ANSIBLE SECRETS

Ansible Vault

- Ansible-vault encrypt <name_of_playbook>
- Ansible-vault decrypt <name_of_playbook>
- Ansible-vault edit <name_of_playbook>
- Ansible-vault view <name_of_playbook>
- Ansible-playbook <name_of_playbook> --ask-vault-pass