

ANSIBLE LOOPS

- Ansible offers the **loop**, **with_<lookup>**, and **until** keywords to execute a task multiple time.
- Ansible supports iterating a task over a set of iteams using the loop keyword.

Examples: Changing ownership on several files and/or directories with the **file module**, creating multiple users with the **user module**, installing multiple packages using **apt or yum** module until a certain result is reached.

Example: (without looping)

- hosts: webservers

become: true

become_user: root

tasks:

- name: Apache is running

service:

name: httpd

state: started

- name: FTP is running

service:

name: vsftpd

state: started

Using LOOP:

```
- hosts: webservers

become: true

become_user: root

tasks:

  - name: Apache & FTP are running

    service:

      name: "{{ item }}"

      state: started

    loop:

      - httpd

      - vsftpd
```

\$ansible-playbook loop.yml -K

Loops over a list of variables (Hashes):

Example1:

```
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- hosts: webservers

  become: true

  become_user: root

  vars:

    my_services:

      - httpd

      - vsftpd
```

tasks:

- name: Apache & FTP are Running

service:

name: "{{ item }}"

state: started

loop: "{{ my_services }}"

...

Example2:

- hosts: webservers

become: true

become_user: root

tasks:

- name: User Exist

user:

name: "{{ item.name }}"

groups: "{{ item.groups }}"

loop:

- name: ram

groups: ayodhya

- name: ravan

groups: lanka

- name: sita

groups: nepal

###Groups are exist in the agent

#groupadd ayodhya

#groupadd lanka

#groupadd nepal

\$ansible-playbook loop2.yml -K