



## ❖ 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:** Playbook for starting HTTPD & FTP Services (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:** Playbook for starting HTTPD & FTP Services

```
- 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:**

```
---

- 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

tasks:

- name: User Exist

user:

name: "{{ item.name }}"

groups: "{{ item.groups }}"

loop:

- name: ram

groups: ayodhya

- name: ravan

groups: lanka

- name: sita

groups: nepal

#groupadd Ayodhya [ Groups are exist in the agent ]

#groupadd lanka

#groupadd nepal

\$ansible-playbook loop2.yml -K