

Loops

- ▶ Loops can do one task on multiple things, such as create a lot of users, install a lot of packages, or repeat a polling step until a certain result is reached.

- yum:

name: "{{ item }}"

state: latest

with_items:

- httpd

- smtp

5.yml

- name: Playbook with multiple items

hosts: all

tasks:

- name: Install required packages

yum:

name={{ item }}

state=installed

with_items:

- httpd

- ntp

- samba

```
[root@ip-172-31-29-57 DevOps]# ansible-playbook 4.yml

PLAY [Playbook with multiple items] *****

TASK [Gathering Facts] *****
ok: [13.127.244.80]

TASK [Install required packages] *****
changed: [13.127.244.80] => (item=[u'httpd', u'mariadb', u'samba'])

PLAY RECAP *****
13.127.244.80          : ok=2    changed=1    unreachable=0    failed=0
```

6.yml

```
---
- name: Playbook with multiple items
  hosts: all

  tasks:

    - name: 'Install required packages'
      yum:
        name={{ item }}
        state=installed
      with_items:
        - httpd
        - ntp
        - samba
        - targetcli

    - name: "Start required services"
      service:
        name={{ item }}
        state=started

      with_items:
        - httpd
        - ntpd
        - smb
        - target
```

```
[root@ip-172-31-29-57 DevOps]# ansible-playbook 5.yml

PLAY [Playbook with multiple items] *****

TASK [Gathering Facts] *****
ok: [13.127.244.80]

TASK [Install required packages] *****
changed: [13.127.244.80] => (item=[u'httpd', u'ntp', u'samba', u'targetcli'])

TASK [Start required services] *****
changed: [13.127.244.80] => (item=httpd)
changed: [13.127.244.80] => (item=ntpd)
changed: [13.127.244.80] => (item=smb)
ok: [13.127.244.80] => (item=target)

PLAY RECAP *****
13.127.244.80          : ok=3    changed=2    unreachable=0    failed=0
```