

Loops

1. In this we're going to add a loop command on our previous YAML file and run it. So, open your YAML file and add this code for loop.
2. Then run the ansible playbook command.

```
---
- name: Provisioning Server
  hosts: all
  become: yes
  tasks:
    - name: Install ntp agent on centos
      yum:
        name: "{{item}}"
        state: present
      when: ansible_distribution == "CentOS"
      loop:
        - chrony
        - wget
        - git
        - zip
        - unzip

    - name: Install ntp agent on ubuntu
      apt:
        name: "{{item}}"
        state: present
      when: ansible_distribution == "Ubuntu"
      loop:
        - ntp
        - wget
        - git
        - zip
        - unzip

    - name: Start service on centos
      service:
        name: chronyd
        state: started
        enabled: yes
      when: ansible_distribution == "CentOS"

    - name: Start service on ubuntu
```

```
service:  
  name: ntp  
  state: started  
  enabled: yes  
when: ansible_distribution == "Ubuntu"
```

```
---
- name: Provisioning Server
  hosts: all
  become: yes
  tasks:
    - name: Install ntp agent on centos
      yum:
        name: "{{item}}"
        state: present
      when: ansible_distribution == "CentOS"
      loop:
        - chrony
        - wget
        - git
        - zip
        - unzip

    - name: Install ntp agent on ubuntu
      apt:
        name: "{{item}}"
        state: present
      when: ansible_distribution == "Ubuntu"
      loop:
        - ntp
        - wget
        - git
        - zip
        - unzip

    - name: Start service on centos
      service:
        name: chronyd
        state: started
        enabled: yes
      when: ansible_distribution == "CentOS"

    - name: Start service on ubuntu
      service:
        name: ntp
        state: started
        enabled: yes
      when: ansible_distribution == "Ubuntu"
```

```
ubuntu@ip-172-31-12-170:~/demodirectory/exc9$ vim demoprovision.yaml
ubuntu@ip-172-31-12-170:~/demodirectory/exc9$ ansible-playbook -i inventory demoprovision.yaml
```

```
PLAY [Provisioning Server] *****
```

```
TASK [Gathering Facts] *****
```

```
ok: [demoweb02]
ok: [demoweb01]
ok: [demodb01]
ok: [demoweb03]
```

```
TASK [Install ntp agent on centos] *****
```

```
skipping: [demoweb03] => (item=chrony)
skipping: [demoweb03] => (item=wget)
skipping: [demoweb03] => (item=git)
skipping: [demoweb03] => (item=zip)
skipping: [demoweb03] => (item=unzip)
skipping: [demoweb03]
ok: [demoweb01] => (item=chrony)
ok: [demodb01] => (item=chrony)
ok: [demoweb02] => (item=chrony)
ok: [demoweb01] => (item=wget)
ok: [demodb01] => (item=wget)
ok: [demoweb02] => (item=wget)
ok: [demoweb01] => (item=git)
ok: [demoweb02] => (item=git)
ok: [demodb01] => (item=git)
ok: [demoweb01] => (item=zip)
ok: [demoweb02] => (item=zip)
ok: [demodb01] => (item=zip)
ok: [demoweb01] => (item=unzip)
ok: [demoweb02] => (item=unzip)
ok: [demodb01] => (item=unzip)
```

```
TASK [Install ntp agent on ubuntu] *****
```

```
skipping: [demoweb01] => (item=ntp)
skipping: [demoweb01] => (item=wget)
skipping: [demoweb01] => (item=git)
skipping: [demoweb01] => (item=zip)
skipping: [demoweb02] => (item=ntp)
skipping: [demoweb01] => (item=unzip)
skipping: [demoweb02] => (item=wget)
skipping: [demoweb02] => (item=git)
skipping: [demoweb02] => (item=zip)
skipping: [demoweb01]
skipping: [demoweb02] => (item=unzip)
skipping: [demoweb02]
skipping: [demodb01] => (item=ntp)
skipping: [demodb01] => (item=wget)
```

```
ok: [demoweb03] => (item=ntp)
ok: [demoweb03] => (item=wget)
ok: [demoweb03] => (item=git)
ok: [demoweb03] => (item=zip)
ok: [demoweb03] => (item=unzip)
```

```
TASK [Start service on centos] *****
```

```
skipping: [demoweb03]
ok: [demodb01]
ok: [demoweb02]
ok: [demoweb01]
```

```
TASK [Start service on ubuntu] *****
```

```
skipping: [demoweb01]
skipping: [demoweb02]
skipping: [demodb01]
ok: [demoweb03]
```

```
PLAY RECAP *****
```

```
demodb01      : ok=3    changed=0    unreachable=0    failed=0    skipped=2    rescued=0    ignored=0
demoweb01     : ok=3    changed=0    unreachable=0    failed=0    skipped=2    rescued=0    ignored=0
demoweb02     : ok=3    changed=0    unreachable=0    failed=0    skipped=2    rescued=0    ignored=0
demoweb03     : ok=3    changed=0    unreachable=0    failed=0    skipped=2    rescued=0    ignored=0
```

```
ubuntu@ip-172-31-12-170:~/demodirectory/exc9$ |
```