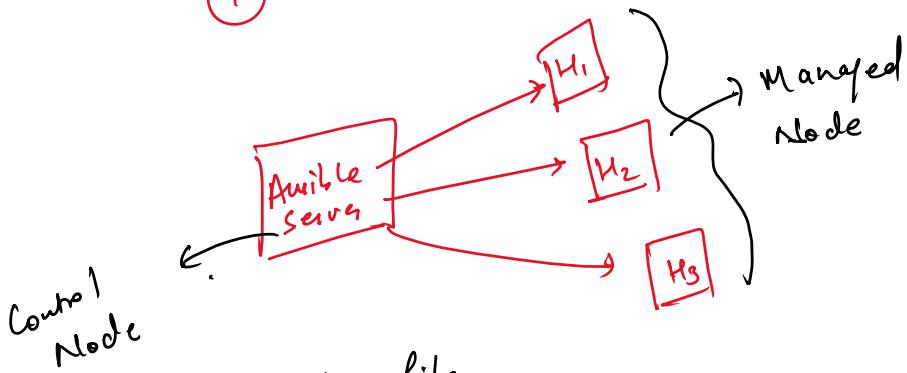


Ansible :-

- ① Config. Mng.
- ② App. Deployment.
- ③ Infra. Provisioning.
- ④ Orchestration.

Inventory file.

```
.ini
[linux]
H1
H2
[centos]
H3
host: all
host: linux.
```

Modules:- Small Unit of Code Ansible run on target host.

ex:- copy, apt, yum, wcel, git

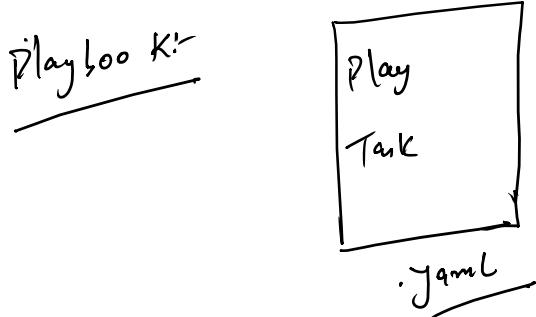
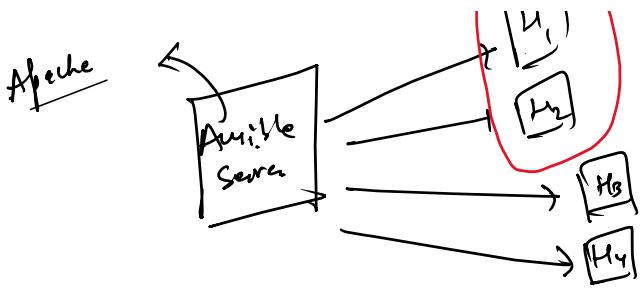
idempotent → if a desired state exist,
no changes is being made.

Tasks:-

```
- name: Install Apache
  yum:
    name : httpd
    state: present
```

Play:- Mapping b/w host & task.





Role :- Organized structure for reusable automation.

folders:- task | , output | , vars | - - -

Facts:- System Info. collected from managed Notes.

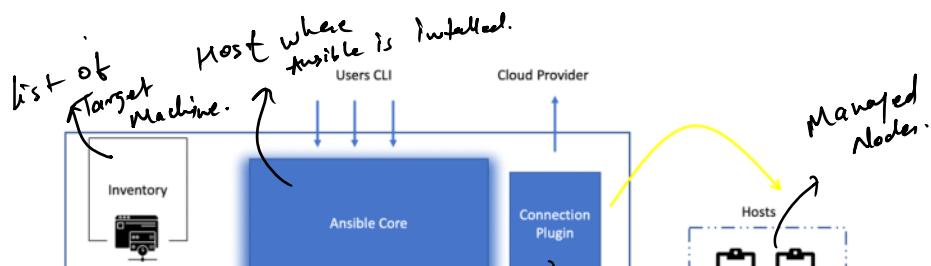
ex- OS, IP, CPU, RAM.

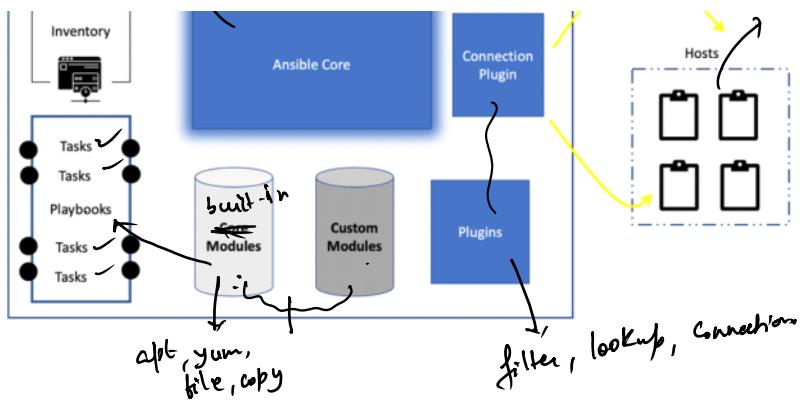
Handlers:- Special task which will trigger when notified.

Ex:- Restart the service after the config. change.

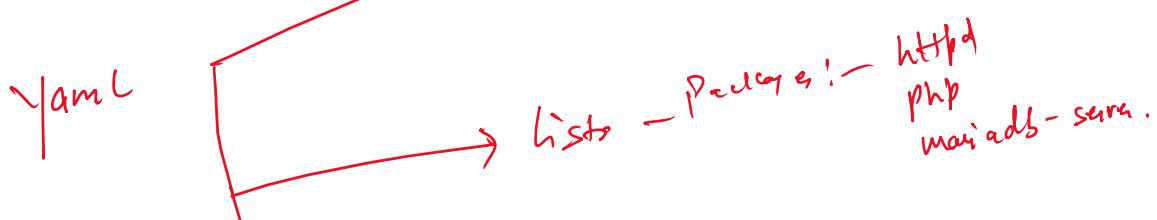
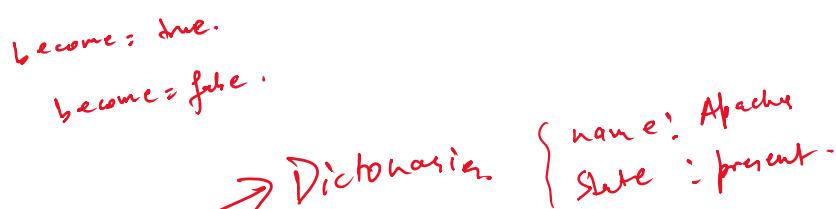
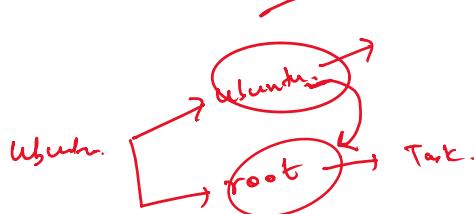
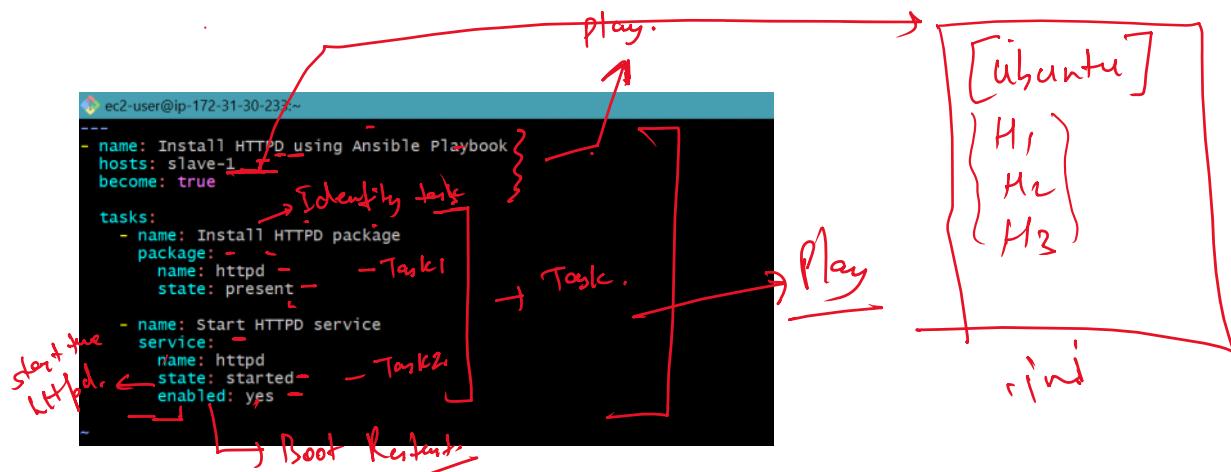
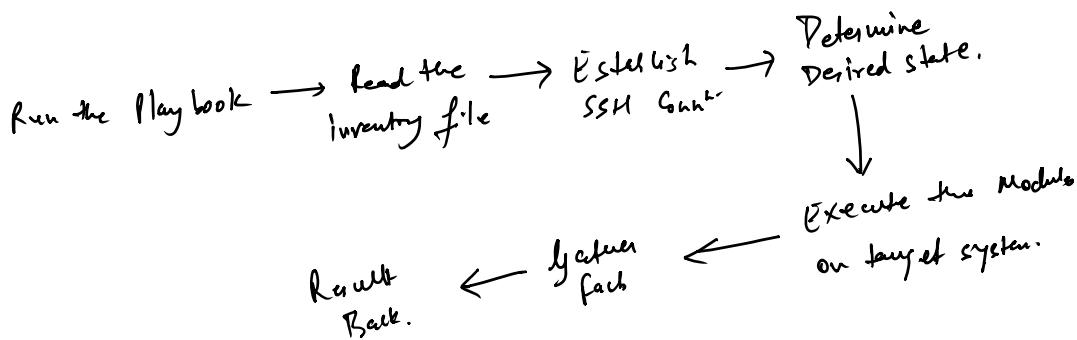
Variable:- Dynamic input to the Playbook.

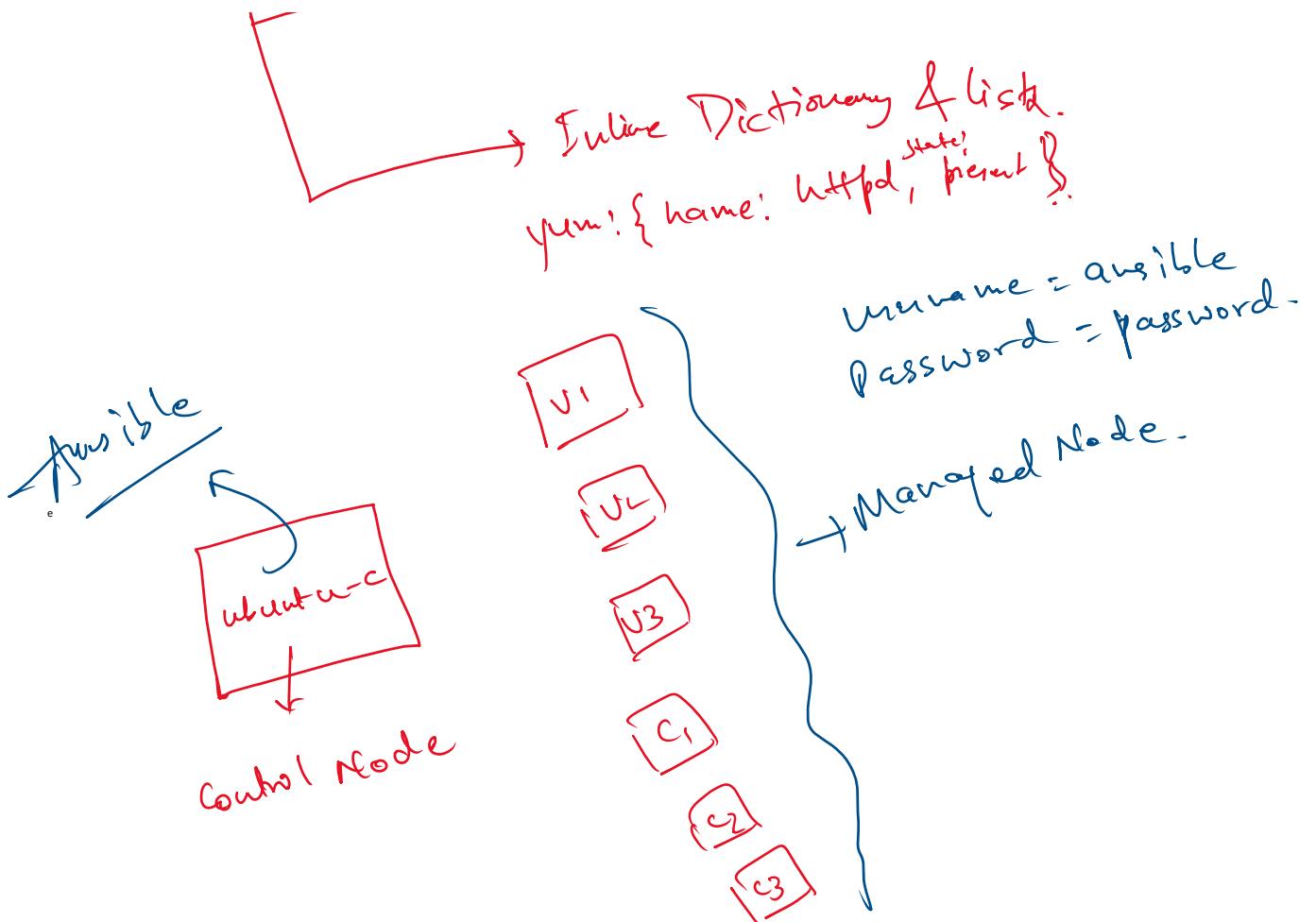
Jinja2 template:- Config. file → .j2





Ansible - Play book





Playbook :-

```

---  

# yaml document starting.  

hyphen | minus - indicate the list items.  

-  

  # host  

  # vars  

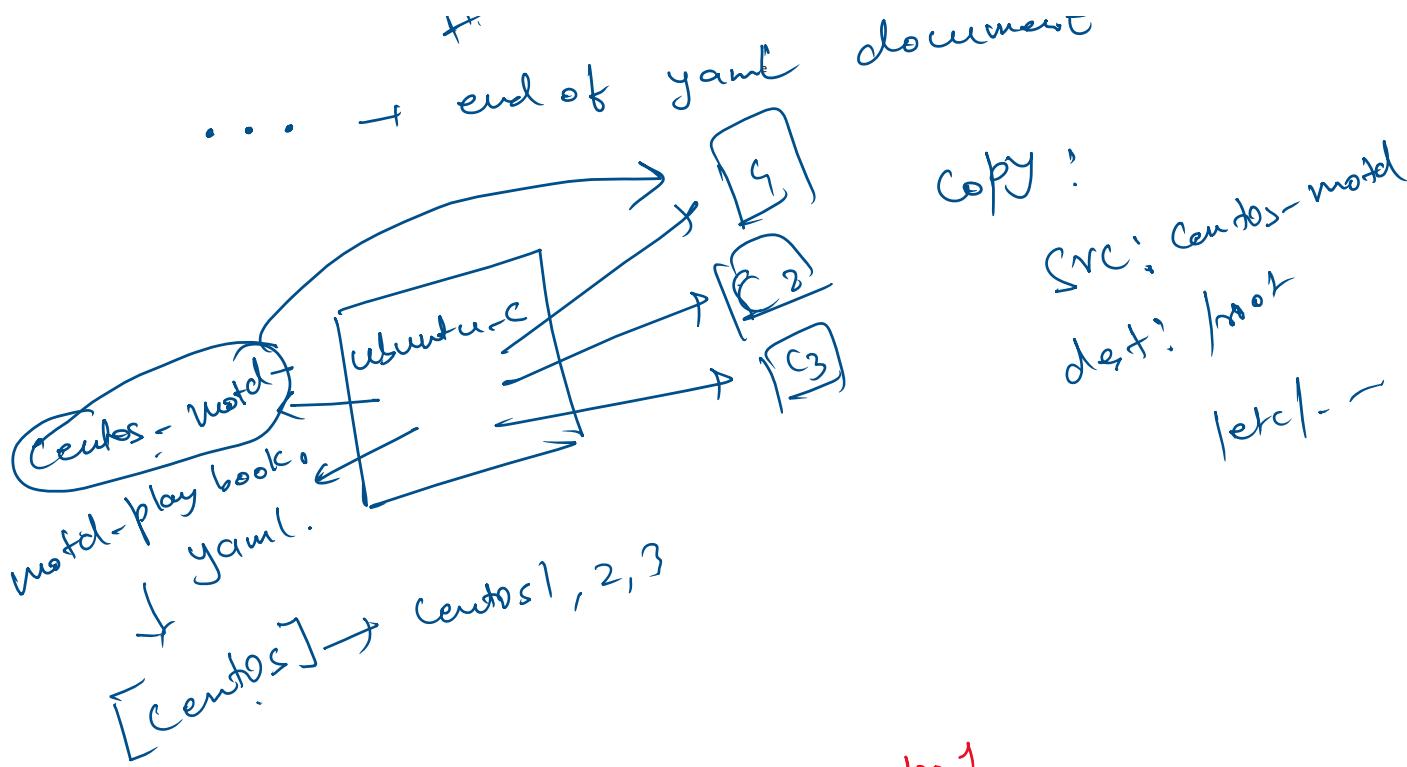
  # handlers  

  # tasks  

  # roles  

. end of yaml document

```



```
- hosts: centos
  user: root
```

→ ssh root@centos1

```
- hosts: centos
  become: yes
```

→ ssh ansible @ centos1
sudo su

Handlers :-

- ① Run only when notified
- ② Run at the end of the Play-
- ③