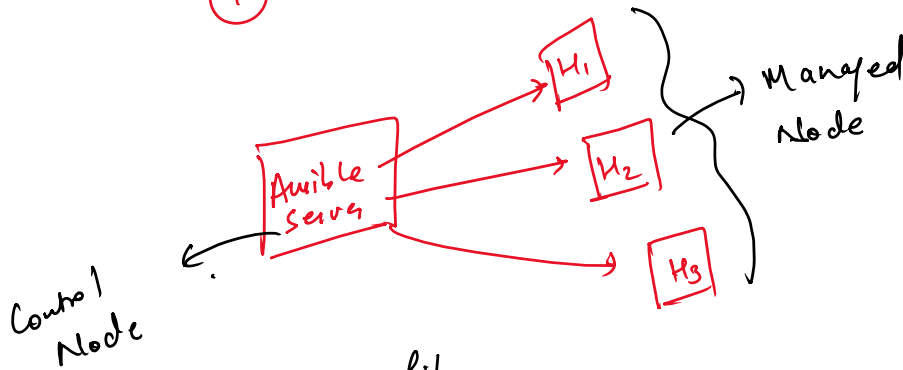
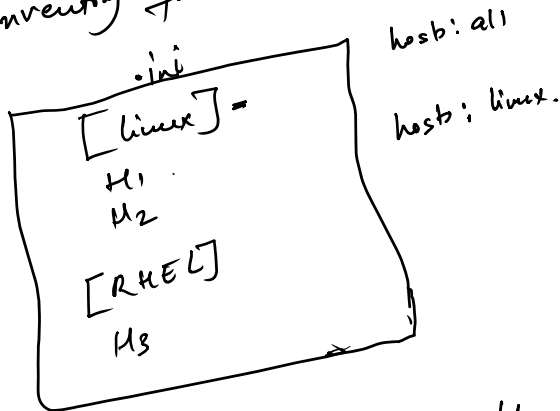


Ansible:-

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



Inventory file.



Modules:- Small unit of code Ansible run on target host.

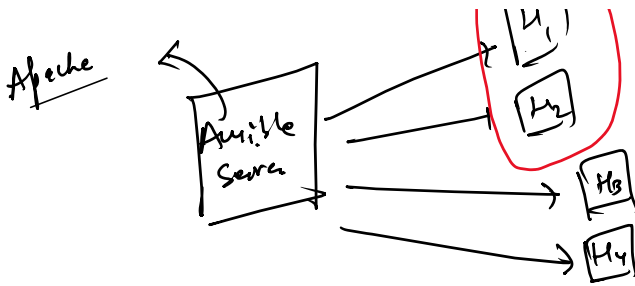
ex:- copy, apt, yum, wget, git  
idempotent → if a desired state exist,  
no change is being made.

Tasks:-

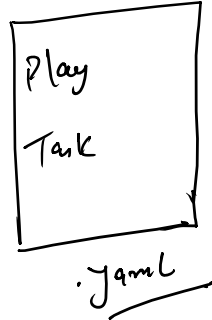
- name: Install Apache  
yum:  
name: httpd  
state: present

Play:- Mapping b/w host & task.





Playbook Ki:-



Role:- Organized structure for reusable automation.

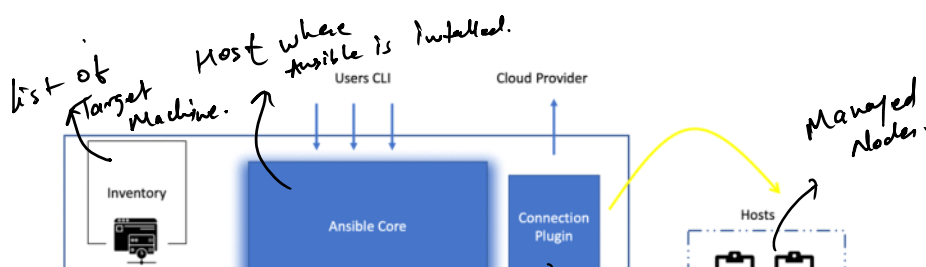
folders:- task / , output / , var / - - -

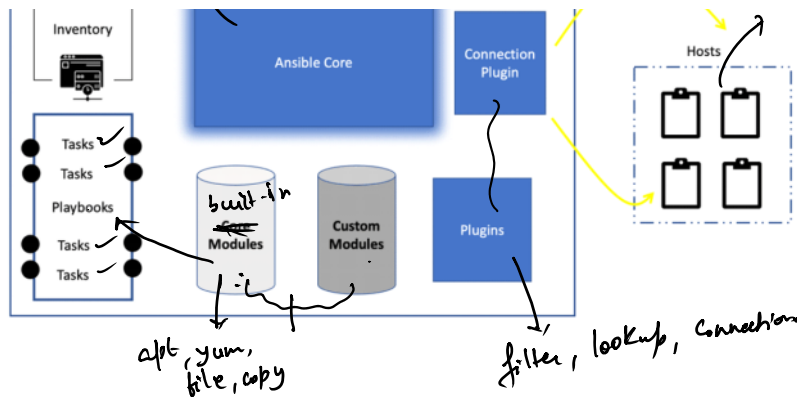
Fact:- System Info. collected from managed Nodes.  
ex - OS, IP, CPU, RAM.

Handlers:- Special task which will trigger when notified.  
Ex:- Restart the service after the Config. change.

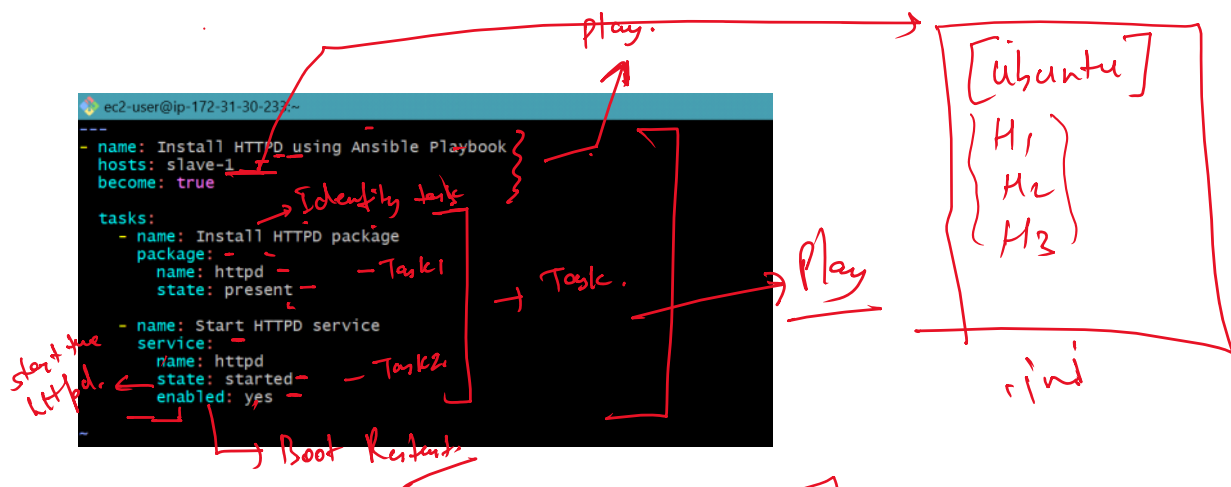
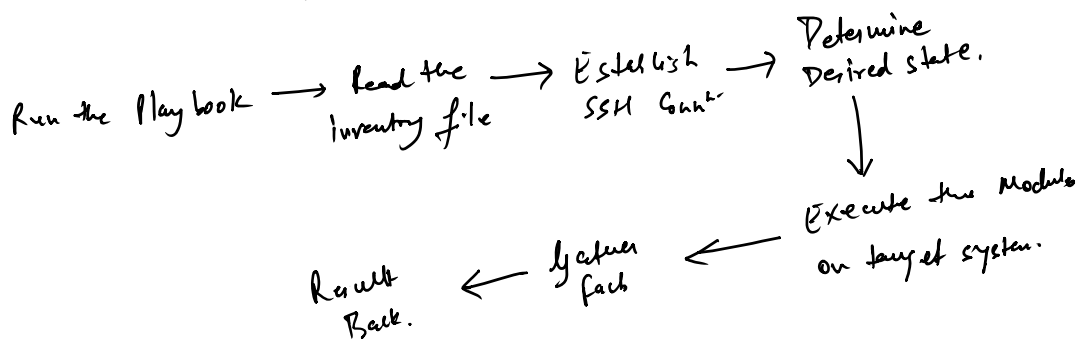
Variable:- Dynamic input to the Playbook.

Jinja2 template:- Config. file → .j2

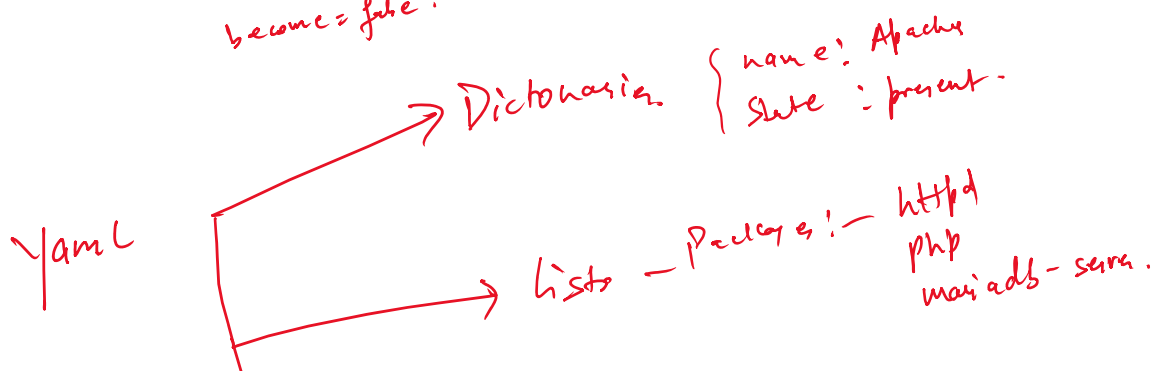


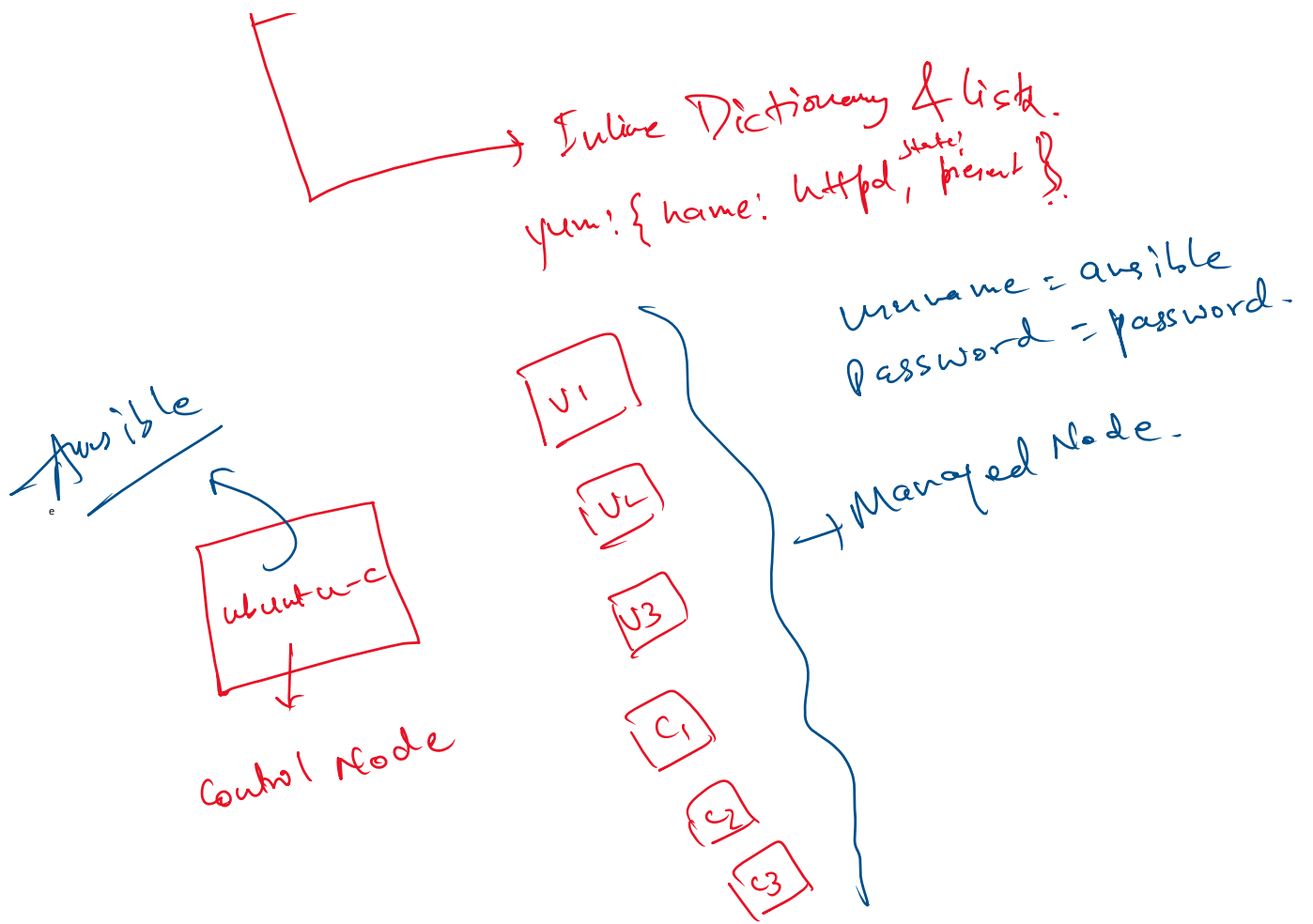


Command:-  
Ansible-Play book      site. yaml



become: true.  
 become: false.





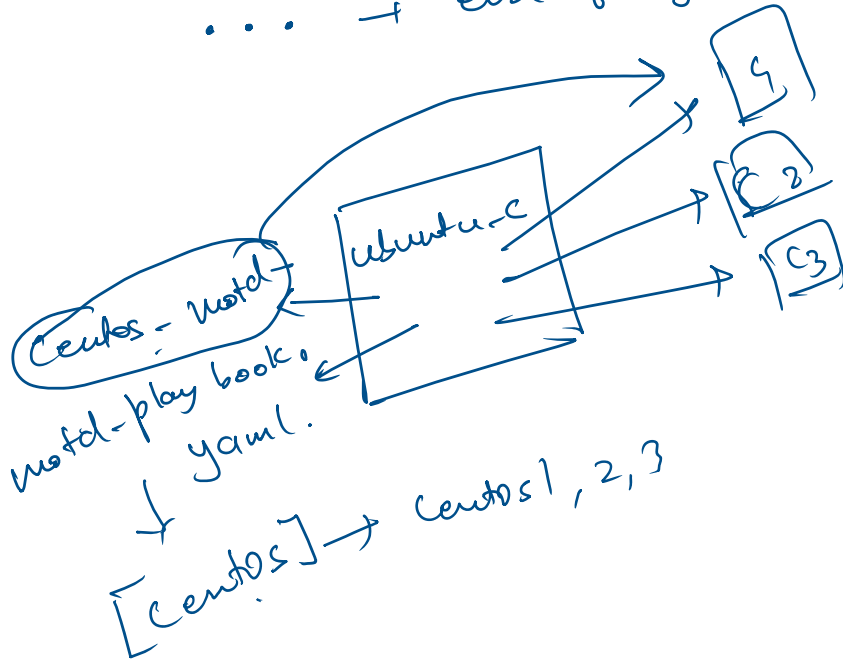
## Playbook :-

---  
 # yaml document starting.  
 hyphen / minus - indicate the list items.

—  
 # host  
 # var  
 # handler  
 # task  
 # roles

end of yaml document

... → end of yaml document



Copy :

src: centos-node  
dest: /root  
etc/ - -

- hosts: centos  
user: root

- hosts: centos  
become: yes

→ ssh root@centos1

→ ssh ansible@centos1  
sudo su

Handlers:-

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