

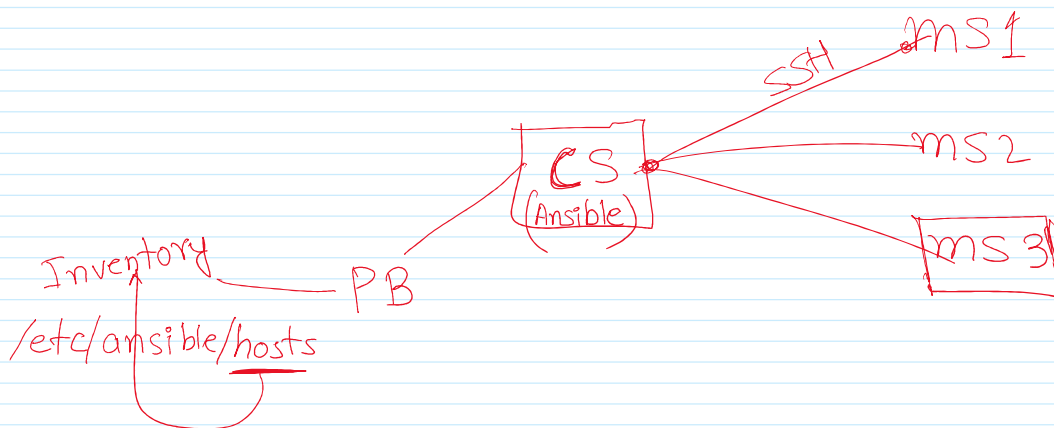
- ① Server (Ansible)
- ② Ubuntu Server

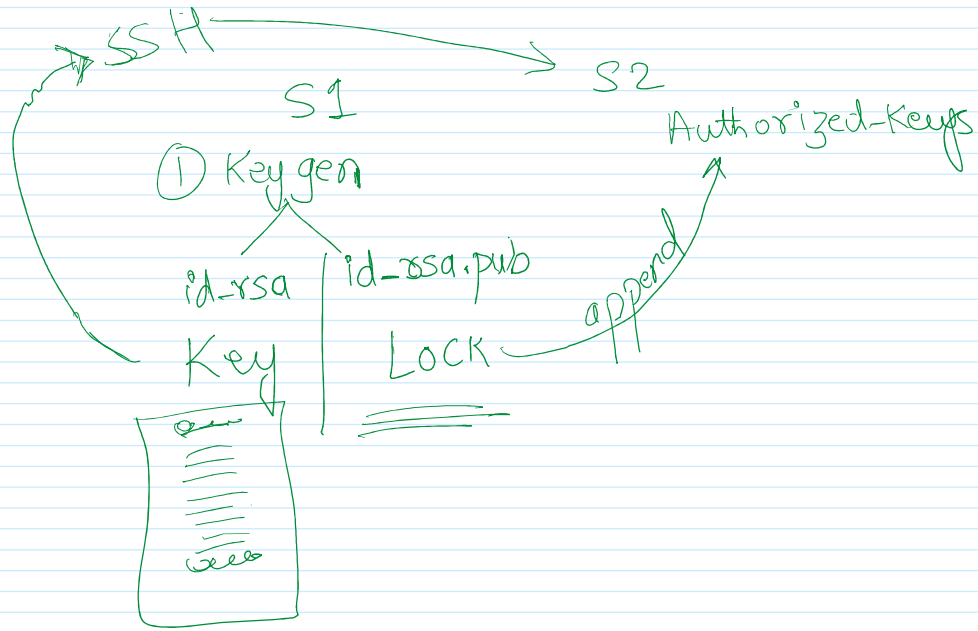
3.111.246.181 --> azhar.pem CS

54.242.81.45 --> mujahed.pem MS1

Linux

- Username & Password.
 - ✓ → Username & Key.
 - Username, Password & Key.
- ↓
- Passphrase.





```

1 sudo apt update
2 cat /etc/os-release
3 sudo su
4 ssh localhost
5 ssh 54.242.81.45
6 ssh-keygen -b 3072 -t rsa -f /home/ubuntu/.ssh/authkey
7 ssh -i /home/ubuntu/.ssh/authkey ubuntu@localhost
8 cd .ssh
9 cat > config
10 cat > authorized_keys
11 cat authkey
12 cat authkey | cat >> authorized_keys
13 cat authorized_keys
14 cat authkey.pub | cat > authorized_keys
15 cat authorized_keys
16 ssh localhost
17 ls -ltra
18 nano config
19 ssh localhost
20 cat authkey.pub
21 ssh 54.242.81.45
22 sudo nano /etc/hosts
23 ssh ms1
24 sudo mkdir /etc/ansible
25 sudo su
26 touch abc
27 scp abc ms1:/home/ubuntu/.ssh/xyz
28 sudo apt update
29 sudo apt install ansible -y
30 cd ~
31 ansible --version
32 ansible ws -m ping
33 ansible ws -a "mkdir /home/ubuntu/mujahed"
34 ansible all -a "whoami"
35 ls
36 ansible all -m ping
37 cat <<EOF > pingMsg.yaml
---
- hosts: ws
tasks:
- name: Welcome Message Task
  debug: msg="This is from Mujahed"
EOF

38 cat pingMsg.yaml
39 ansible-playbook pingMsg.yaml -i /etc/ansible/hosts
40 cat <<EOF > installApacheWebServer.yaml
  
```

```
---
- name: Installing Apache Web Server
  hosts: all
EOF

41 nano installApacheWebServer.yaml
42 ansible-playbook installApacheWebServer.yaml -i /etc/ansible/hosts
43 history
```

```
---
- hosts: all
tasks:
- name: Print Welcome World
  debug: msg="Welcome World"

ansible-playbook apache.yaml -l appserver --check

ansible-playbook apache.yaml --list-tags
#!/bin/bash
sudo apt update
sudo apt install python3-pip -y
sudo mkdir /etc/ansible
sudo bash -c 'cat<<EOF > /etc/ansible/hosts
[ws]
127.0.0.1
EOF'
sudo apt install ansible -y
ssh-keygen -b 3072 -t rsa -f ~/.ssh/sshkey -q -N ""
cat ~/.ssh/sshkey.pub | cat >> ~/.ssh/authorized_keys
sudo ansible --version > /tmp/ansibleVersion.txt
```

```
ansible ws -m ping
```

```
---
- hosts: all
tasks:
- name: Print Welcome World
  debug: msg="Welcome World"
```

```
---
- hosts: all
tasks:
- name: Print Welcome World
  tags: welcome_msg
  debug: msg="Welcome World"

ansible-playbook pingMsg2.yaml --list-tags
```

```
cat <<EOF > InstallApacheWebServer.yaml
---
- name: Installing Apache Web Server
  hosts: all
  become: true
  tasks:
  - name: install apache
    apt: name=apache2 update_cache=yes state=latest
EOF
```