**Password less authentication from one server to other servers**

**Configure master server**

**1) Create a aws ec2 server and getting into server**

**2) Add maha user with passwd**

**# adduser maha**

**3) Make maha user as sudoer**

**# visudo**

**maha ALL=(ALL) NOPASSWD: ALL**

**Ctrl+x, press y , press enter**

**4) Password authentication yes (with passwd without pem file) # vi /etc/ssh/sshd\_config**

**Passwd authentication yes**

**:wq!**

**5) Restart ssh services**

**# service ssh restart**

**Configure node servers**

**6) Create a aws ec2 server and getting into server**

**7) Add maha user with passwd**

**# adduser maha**

**8) Make maha user as sudoer**

**# visudo**

**maha ALL=(ALL) NOPASSWD: ALL**

**Ctrl+x, press y , press enter**

**9) Password authentication yes (with passwd without pem file) # vi /etc/ssh/sshd\_config**

**Passwd authentication yes**

**:wq!**

**10) Restart ssh services**

**# service ssh restart**

**Content from master to nodes without passwd and without pem file ON MASTER SERVER:**

**11) # su maha**

**12) $ cd**

**13) $ pwd**

**14) $ ssh-keygen**

**15) $ ssh-copy-id <private ip of node>**

**16) $ ssh <private ip of node>**

**CM :**

**Ansible : PUSH**

**Configure and install ansible master server:**

**1) Create ubuntu 18 ec2 server**

**2) Add ansible user with passwd**

**# adduser siva**

**3) Make ansible user as sudoer**

**# visudo**

**Siva ALL=(ALL) NOPASSWD: ALL**

**Ctr+x, press y , press enter.**

**4) Change passwd auth yes**

**# vi /etc/ssh/sshd\_config**

**Passwd authentication yes**

**:wq!**

**5) Restart ssh service**

**# service ssh restart**

**6) Install ansible**

**# sudo apt-add-repository ppa:ansible/ansible**

**#sudo apt-get update**

**#sudo apt install ansible**

**Configure ansible nodes**

**7) Create ubuntu 18 ec2 server**

**8) Add ansible user with passwd**

**# adduser siva**

**9) Make ansible user as sudoer**

**# visudo**

**Siva ALL=(ALL) NOPASSWD: ALL**

**Ctr+x, press y , press enter.**

**10) Change passwd auth yes**

**# vi /etc/ssh/sshd\_config**

**Passwd authentication yes**

**:wq!**

**11) Restart ssh service**

**# service ssh restart**

**12) Don’t Install ansible**

**# sudo apt-add-repository ppa:ansible/ansible**

**#sudo apt-add-repository ppa:ansible/ansible**

**#sudo apt install ansible**

**Connection from ansible master to nodes without pem and passwd**

**ON ANSIBLE MASTER SERVER as MAHA user 13) # su maha**

**14) $ cd**

**15) $ pwd**

**16) $ ssh-keygen**

**17) $ ssh-copy-id < private ip of ansible nodes>**

**18) $ vi myhosts**

**< private ip of ansible nodes>**

**<private ip of ansible nodes>**

**:wq!**

**19) $ ansible all -i myhosts -m ping**

**Yaml rules**

**1) .yml or .yaml**

**2) ues**

**4) # space notatio---**

**3) Key:valn.**

**1) Create git account and login**

**2) Create token ( it just link passwd)**

**3) Create git remote repo on github.com**

**4) We can init git local repo on your laptop**

**Create folder and open git bash execute following commands echo "# myAnsible\_NT\_E\_6\_18july22" >> README.md git init**

**git add README.md**

**git commit -m "first commit"**

**git config --global user.email "maha@gmail.orgg" git config --global user.name "maha"**

**git commit -m "first commit"**

**git branch -M main**

**git remote add origin** [**https://github.com/maha4ntvc/myAnsible\_NT\_E\_6\_18july22.git**](https://github.com/maha4ntvc/myAnsible_NT_E_6_18july22.git) **git push -u origin main**

**5) Upload change into remote repo ( github.com) git add -A**

**git commit -m < comment>**

**git push**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**apache2 instalation in master .yaml file**

**---**

**- hosts: all**

**become: yes**

**tasks:**

**- name: ensure apache2 is at the latest version**

**apt:**

**name: apache2**

**state: present**

**- name: start apache2**

**systemctl:**

**name: apache2**

**state: started**

**nginx instalation in master .yaml file**