hi team, good afternoon

this is yamini iam working for past 6 months in hcl,

we are part of DRYICE CMA and we assigned to Hcl internal project and wriiten validation playbooks,

and here is my colleague mohan having the same background, please introduce about yourselves one by

so we can start session.

OVERVIEW OF CONNECTIVITES

linux to linux (ssh) 22

linux to windows (winrm) 5986 or 5985

ssh keygen

public key

decrypt public key --> private key

and perform on node also

IN WINDOWS(node)

windows setup

winrm enumerate

LINUX(mster - ansible isinstalled)

vi etc/hosts - nodeip

vi etc/ansible/hosts - nodeip

WINDOWS

install winrm

telnet nodeip 5986

ansible windows -m all ping

```
[windows] --groupname
272.387.1.1
_____
RAM class \rightarrow if any errors check these steps also
mkdir etc/ansible in root
chown ansadmin:ansadmin -R /etc/ansible (giving owner ship permission for user)
Is -Irt /etc/
su - ansadmin
cd /etc/ansible
ansible
cd etc/ansible
ssh ansible@nodeip(if gets error run ssh cmd in node)
exit and login with root
sshnodw
______
IN NODE
sudo su -
useradd ansible
passwd ansible -- ansible1234
passwd root
ansible1234(type the password)
vi etc/ssh/sshd_config
esc/passwd(type this)
#PasswordAuthentictaion = yes
systemctl restart sshd
systemctl status sshd
```

LINUX TO LINUX

First install the Ansible on RHEL7

liunux to linux (CENTOS8 is most preferable)

https://www.linuxtechi.com/install-ansible-centos-8-rhel-8/

visudo → Go into this file and make changes as below

ec2-user ALL=(ALL) NOPASSWD: ALL

ansadmin ALL=(ALL) NOPASSWD: ALL \rightarrow when we login as particular user perform this step

or else no need

vi /etc/ssh/sshd_config \rightarrow Go into this and perform as below

Do changes in PasswordAuthentication

service sshd restart

su – ansadmin \rightarrow If you create user then go inside and perform the steps or else be on the same terminal

NOW GENERATE THE PRIVATE KEY

ssh-keygen Is -la

cd .ssh

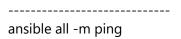
COPY THE KEY

ssh-copy-id ipaddress(private ip address by (ipconfig -a in node) sudo vi/etc/ansible/hosts

Add the host ip and inventory

Ex: [linux] 192.6.78.9

CHECK THE CONNECTION



And whatever the steps performing on controller should be done on node also

WINDOWS TO WINDOWS

RUN 4 COMMANDS ON WINDOWS NODE

\$url="https://raw.githubusercontent.com/ansible/ansible/devel/examples/scripts/ConfigureRemotingForAnsible.ps1"

\$file = "\$env:temp\ConfigureRemotingForAnsible.ps1"

(New-Object -TypeName System.Net.WebClient).DownloadFile(\$url, \$file)

powershell.exe -ExecutionPolicy ByPass -File \$file

AFTER 4 COMMANDS EXECUTION PERFORM THE BELOW STEP

winrm enumerate winrm/config/Listener \rightarrow To know the ports

AND ON CONTROLLER

telnet private_ip portno (of windows 5985 or 5986)

Ex: telnet 192.89.7.2 5986

Ansible groupname -m win_ping

Ex: ansible windows -m win_ping

Add the Private IP to the inventory

EXAMPLE OF INVENTORY

[iautomateserver]

10.5.15.87

[iautomateserver:vars]

 $ansible_user = Administrator$

ansible_password=3kxl?86x?!f5)quwg@&4-g6(YS96sVcP

ansible_port=5985

ansible_connection=winrm



PREREQUSITE

- 1. Install the Ansible
- 2. CENTOS8 or RHEL8
- 3. Use this link for Ansible installation → https://www.tecmint.com/install-ansible-on-centos-rhel-8/

https://www.linuxtechi.com/install-ansible-awx-docker-compose-centos-8/ -->centos8 –awx installation

https://howto.lintel.in/install-ansible-tower-awx-centos-7/ --> centos7

GITHUB LINK FOR AWX PLAYBOOK

https://github.com/Mohansai347/awx-new-playbook