

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 one

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** → if any errors check these steps also

-----

mkdir etc/ansible in root

chown ansadmin:ansadmin -R /etc/ansible (giving ownership permission for user)

ls -lrt /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)

#PasswordAuthentication = 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 → when we login as particular user perform this step
or else no need
```

vi /etc/ssh/sshd\_config → Go into this and perform as below

Do changes in PasswordAuthentication

service sshd restart

su – ansadmin → 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
ls -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

-----  
ansible all -m ping

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 → 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=3kx!786x?!f5)quwg@&4-g6(YS96sVcP

ansible\_port=5985

ansible\_connection=winrm

-----

## AWX

---

### PREREQUISITE

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>