**ANSIBLE\_SETUP**

I had to manage Windows servers, and then we required the Ubuntu server which is the master node, and also Windows a worker node

Prequiestes are

On worker's node windows

1. winrm (required)

Installation of Winrm as per the below note: the system is required within the network

Run this on the PowerShell administrator

# Ensure WinRM is enabled and properly configured

Enable-PSRemoting -Force

# Set WinRM to allow unencrypted traffic (for testing only; use HTTPS in production)

winrm set winrm/config/client @{AllowUnencrypted="true"}

winrm set winrm/config/service @{AllowUnencrypted="true"}

# Allow basic authentication (for testing only; use secure methods in production)

winrm set winrm/config/service/auth @{Basic="true"}

# Ensure the WinRM service is set to start automatically and is running

Set-Service -Name WinRM -StartupType Automatic

Start-Service -Name WinRM

2**. Configure Firewall Rules**

**# Allow WinRM traffic on HTTP port 5985**

**New-NetFirewallRule -Name "WinRM HTTP" -DisplayName "Allow WinRM HTTP" -Enabled True -Direction Inbound -Protocol TCP -LocalPort 5985 -Action Allow**

**# (Optional) Allow WinRM traffic on HTTPS port 5986 if using HTTPS**

**New-NetFirewallRule -Name "WinRM HTTPS" -DisplayName "Allow WinRM HTTPS" -Enabled True -Direction Inbound -Protocol TCP -LocalPort 5986 -Action Allow**

3. Verify WinRM Configuration

winrm quickconfig

4. **Test WinRM Connectivity**

ansible windows -m win\_ping

**5.To stop and start Winrm**

net start winrm

net stop winrm

**2nd step to Install Ansible on Ubuntu Server**

sudo apt update

sudo apt install ansible

ansible –version

sudo mkdir -p /etc/ansible/

ls -ld /etc/ansible

sudo chmod 755 /etc/ansible

sudo touch /etc/ansible/hosts

sudo chmod 644 /etc/ansible/hosts

ls -ld /etc/ansible

sudo chown root:root /etc/ansible/hosts

ls -ld /etc/ansible

sudo nano /etc/ansible/hosts

ansible windows -m win\_ping

sudo nano /etc/ansible/hosts

ansible windows -m win\_ping

If system under the domain then properlly mention domain/user

sudo nano /etc/ansible/hosts

ansible windows -m win\_ping

history

Below are the host file

[windows]

172.30.4.99

[windows:vars]

ansible\_user=MYDOMAIN\administrator

ansible\_password=your\_password

ansible\_connection=winrm

ansible\_winrm\_transport=ntlm

ansible\_winrm\_server\_cert\_validation=ignore

ansible\_winrm\_port=5985

---

- name: Create a text file on Windows Desktop

hosts: windows # This should match the group or host in your Ansible inventory

tasks:

- name: Create a directory if it does not exist

win\_file:

path: C:\Users\administrator\Desktop\test

state: directory

- name: Create a text file with specific content

win\_copy:

content: |

This is a sample text file created by Ansible.

dest: C:\Users\administrator\Desktop\test\example.txt