Table of Contents

Ansible on RHEL 8 with Windows 10

Install

```
sudo yum install python36
pip3 install --user ansible
pip3 install --user pywinrm
```

Windows Configuration

Create a Windows user with password.

```
# This isn't needed but is a good security practice to complete
Set-ExecutionPolicy -ExecutionPolicy Restricted -Force

$reg_winlogon_path = "HKLM:\Software\Microsoft\Windows
NT\CurrentVersion\Winlogon"
Set-ItemProperty -Path $reg_winlogon_path -Name AutoAdminLogon -Value 0
Remove-ItemProperty -Path $reg_winlogon_path -Name DefaultUserName -
ErrorAction SilentlyContinue
Remove-ItemProperty -Path $reg_winlogon_path -Name DefaultPassword -
ErrorAction SilentlyContinue
```

WinRM Setup

```
$url =
"https://raw.githubusercontent.com/ansible/ansible/devel/examples/scripts/Co
nfigureRemotingForAnsible.ps1"
$file = "$env:temp\ConfigureRemotingForAnsible.ps1"
(New-Object -TypeName System.Net.WebClient).DownloadFile($url, $file)
powershell.exe -ExecutionPolicy ByPass -File $file -EnableCredSSP
```

Test

```
Enter-PSSesion -ComputerName 192.168.122.166 -Credential ansible -UseSSL -
SessionOption New-PSSessionOption -SkipCACheck -SkipCNCheck
```

Ansible

Create inventory:

```
[windows]
DESKTOP-8KM1PCG
```

```
[windows:vars]
ansible_user=ansible
ansible_password=C00LP4SSW0RD
ansible_connection=winrm
ansible_winrm_server_cert_validation=ignore
ansible_winrm_transport=credssp
```

Run a test ping:

```
ansible windows -i /path/to/inventory/for/windows -m win_ping
```

Get IP Address via cmd:

```
ansible windows -i windows -m win_command -a "ipconfig"
```

Get list of users via powershell:

```
ansible windows -i windows -m win_shell -a "Get-LocalUser"
```

References

- https://www.ansible.com/blog/integrating-ansible-and-red-hat-enterprise-linux-8-beta
- https://docs.ansible.com/ansible/latest/user_guide/windows_setup.html

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