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# Ansible on RHEL 6 with Windows 10

## Install

```
yum install libcurl-devel
yum install openssl-devel
su - ansible
pip install ovirt-engine-sdk-python==4.3
```

```
subscription-manager repos --enable rhel-server-rhsc1-6-rpms
yum install rh-python36-python
useradd ansible
su - ansible
source /opt/rh/rh-python36/enable
export PATH=$PATH:$HOME/.local/bin
pip3 install --user ansible
pip3 install --user pywinrm
```

## Windows Configuration

Create a Windows user with password.

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

## Test

```
Enter-PSSession -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](https://docs.ansible.com/ansible/latest/user_guide/windows_setup.html)
- <https://access.redhat.com/solutions/92933>

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