

Control Windows m/c using ANSIBLE

Ansible for Windows

- Ansible 2.3 release includes modules for controlling Windows servers/machine
- Target Windows Machine should allow Ansible to connect
- Ansible uses Winrm – Windows Remote Management and executes Powershell to invoke various commands

Preparing Windows System

- Install & configure Winrm : <https://docs.microsoft.com/en-us/windows/desktop/winrm/installation-and-configuration-for-windows-remote-management>
- Modify Windows ExecutionPolicy to allow execution of scripts instead of commands

>powershell.exe -ExecutionPolicy Bypass -File
ConfigureRemotingForAnsible.ps1 -CertValidityDays 3650 –
Verbose

- Ansible1.ps1 link :
<https://raw.githubusercontent.com/ansible/ansible/dev/examples/scripts/ConfigureRemotingForAnsible.ps1>

Ansible Configuration

- Add windows server/machine to etc/ansible/hosts

file: hosts

[windows]

192.168.1.10

192.168.1.11

Ansible Configuration

- Provide user credentials if you want to avoid repeatedly typing it in

file: group_vars/windows.yml

ansible_user: **my_user**

ansible_password: **my_pass**

ansible_port: 5986

ansible_connection: winrm

The following is necessary for Python 2.7.9+ when using default WinRM self-signed certificates:

ansible_winrm_server_cert_validation: ignore

All Set to Control Windows m/c

```
$ ansible windows -i hosts -m win_ping
```

```
192.168.1.10 | SUCCESS => {
```

```
"changed": false,
```

```
"ping": "pong"
```

```
}
```

- Gather facts using set-up module

```
$ ansible windows -i hosts -m setup
```

All Set to Control Windows m/c

- Install Firefox using Windows Chocolatey Package Manager

```
# file: playbook-install-firefox.yml
---
- name: test chocolatey with ansible
  hosts: all
  tasks:
    - name: Install Firefox
      win_chocolatey:
        name: firefox
        state: present
```