

Ansible Script for Firewalls

Deletes license keys, deletes logging-service certificate, re-fetches license keys

Requirements

Linux (ie VM: ESXi or Workstation) (Ubuntu, CentOS, RedHat)

*must have connectivity to firewalls via SSH

Ansible (v2.9)

Git

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

New Business

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Suspendisse scelerisque mi a mi.

Steps

1. **Update Linux**
2. **Install Ansible**
3. **Update Ansible**
4. **Install Python and Verify Directory Path**
5. **Install Git**

Detailed Steps

1. Update Linux (Ubuntu 18.04)

a. Verify version or if installed

```
~$ ansible --version
```

b. Update Ubuntu

```
~$ sudo apt-get update
```

```
~$ sudo apt-get install software-properties-common
```

2. Ansible

a. Get Ansible Repository

```
~$ sudo apt-add-repository ppa:ansible/ansible
```

Enter when prompted

b. Install Ansible (also installs Python)

```
~$ sudo apt-get install ansible -y
```

c. Verify and update Ansible

```
~$ ansible --version
```

```
~$ sudo apt-get update
```

```
~$ sudo apt-get install ansible -y
```

```
~$ ansible --version
```

d. Palo Ansible Role

```
~$ sudo ansible-galaxy collection install paloaltonetworks.panos
```

Performs the following:

- Process install dependency map
- Starting collection install process
- Installing 'paloaltonetworks.panos:2.5.0' to
'/home/ulab/.ansible/collections/ansible_collections/paloaltonetworks/panos'

```
~$ sudo ansible-galaxy install PaloAltoNetworks.paloaltonetworks
```

Performs the following:

- downloading role 'paloaltonetworks', owned by PaloAltoNetworks
- downloading role from <https://github.com/PaloAltoNetworks/ansible-pan/archive/v2.4.1.tar.gz>
- extracting PaloAltoNetworks.paloaltonetworks to /home/ulab/.ansible/roles/PaloAltoNetworks.paloaltonetworks
- PaloAltoNetworks.paloaltonetworks (v2.4.1) was installed successfully

3. Python-pip install

```
~$ sudo apt-get install python-pip -y
```

4. Git

a. Install Git

```
~$ sudo apt-get install git -y
```

```
~$ git --version
```

b. Configure Git username

```
~$ git config --global user.name "username"
```

```
~$ git config --global user.email "email"
```

```
~$ git config --list
```

Search for .gitconfig in home directory

```
~$ cd /home/<home_directory>
```

```
~$ ls -al
```

Open .gitconfig with editor (vi, gedit, etc) to view previous configs

c. Clone (download) Github repository

```
~$ mkdir git_workspace
```

```
~$ cd git_workspace
```

5. Download Script Files from Github

```
~/git_workspace$ git clone https://github.com/rafter1999/remove-fw-licenses-cert.git
```

a. Edit script files

```
~/git_workspace$ cd remove-fw-licenses-cert
```

- i. hosts (contains ip addresses for remote firewalls)
- ii. vars.yml (contains firewall credentials)

6. Run Ansible Script

```
ansible-playbook -i hosts connect-fw-to-cdl.yml
```