PROJECT 1 - ANSIBLE YAML SCRIPTS

Install-elk.yml

```
---
- name: ELK Stack
  hosts: elkservers
  become: true
  tasks:

  - name: Change memory on host machine
          shell: sysctl -w vm.max_map_count=262144

  - name: docker.io
          apt:
          force_apt_get: yes
          name: docker.io
          state: present

- name: Install pip
          apt:
          force_apt_get: yes
          name: python-pip
          state: present

  - name: Install Docker python module
          pip:
          name: docker
          state: present

- name: download and launch docker ELK Stack
          docker_container:
          name: elkstack
          image: sebp/elk
          state: started
          published_ports: 5601:5601
          published_ports: 9200:9200
          published_ports: 5044:5044
```

Filebeat-playbook.yml text

```
---
  - name: Filebeat Installer
    hosts: webservers
    become: True
    tasks:

      - name: Download Filebeat
        shell: curl -L -O
https://artifacts.elastic.co/downloads/beats/filebeat/filebeat-7.6.1-amd64
.deb

      - name: Install Filebeat
        shell: dpkg -i filebeat-7.6.1-amd64.deb

      - name: Copy Filebeat configuration
        copy:
          src: /etc/ansible/files/filebeat-configuration.yml
          dest: /etc/filebeat/filebeat.yml
          owner: root
          group: root
          mode: '0600'
          backup: yes
      - name: Restart Filebeat
        shell: filebeat modules enable system

      - name: Filebeat setup
        shell: filebeat setup

      - name: Filebeat -e
        shell: filebeat -e &
```

metricbeat-playbook.yml text

```
---
 - name: Metricbeat Installer
        hosts: webservers
        become: True
        tasks:

        - name: Download Metricbeat
```

```
shell: curl -L -O https://artifacts.elastic.co/downloads/beats/metricbeat/metricbeat-7.6.1-amd64.deb

- name: Install Metricbeat
shell: dpkg -i metricbeat-7.6.1-amd64.deb

- name: Copy Metricbeat configuration
copy:
src: /etc/ansible/files/metricbeat-configuration.yml
dest: /etc/metricbeat/metricbeat.yml
owner: root
group: root
mode: '0600'
backup: yes
- name: Restart Metricbeat
shell: metricbeat modules enable docker

- name: Metricbeat setup
shell: metricbeat setup

- name: Metricbeat -e
shell: metricbeat -e &
```

OTHER SCRIPTS

Pentest.yml

```
---
- name: Config Web VM with Docker
  hosts: webservers
  become: true
  tasks:
  - name: docker.io
            apt:
            force_apt_get: yes
            name: docker.io
            state: present

  - name: Install pip
            apt:
            force_apt_get: yes
            name: python-pip
            state: present

- name: Install Docker python module
            pip:
            name: docker
            state: present

  - name: download and launch a docker web container
            docker_container:
            name: dvwa
            image: cyberxsecurity/dvwa
            state: started
            published_ports: 80:80
```