
```
- name: Configure ELK VM with Docker
  hosts: elk
  remote_user: ansible
  become: True
  tasks:
```

```
# Use apt module
```

```
- name: Install docker.io
  apt:
    update_cache: yes
    force_apt_get: yes
    name: docker.io
    state: present
```

```
# Use apt module
```

```
- name: Install python-pip
  apt:
    force_apt_get: yes
    name: python3-pip
    state: present
```

```
# Use pip module
```

```

- name: Install Docker Python module

  pip:

    name: docker

    state: present


# Use command module

- name: Increase the Virtual Memory on the ELK VM

  command: sysctl -w vm.max_map_count=262144


# Use shell module

- name: Increase the Virtual Memory on the restart

  shell: echo "vm.max_map_count=262144" >>
/etc/sysctl.conf


# Use sysctl module

- name: Use more memory

  ansible.posix.sysctl:

    name: vm.max_map_count

    value: "262144"

    state: present

    reload: yes


# Use docker_container module

- name: Download and Launch a Docker ELK Container

  docker_container:

    name: elk

    image: sebp/elk

    state: started

    restart_policy: always

    # Please list the ports that ELK runs on

    published_ports:

```

- 5601:5601
- 9200:9200
- 5044:5044

```
# Use systemd module
- name: Enable service Docker on Boot
  systemd:
    name: docker
    enabled: yes
```