The playbook is duplicated below.

```yaml

---

# install\_elk.yml

- name: Configure Elk VM with Docker

hosts: elkservers

remote\_user: elk

become: true

tasks:

# Use apt module

- name: Install docker.io

apt:

update\_cache: yes

name: docker.io

state: present

# Use apt module

- name: Install pip3

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 virtual memory

command: sysctl -w vm.max\_map\_count=262144

# Use sysctl module

- name: Use more memory

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:761

state: started

restart\_policy: always

published\_ports:

- 5601:5601

- 9200:9200

- 5044:5044

```