install-elk.yml

```yaml
---
- name: Configure Elk VM with Docker
  hosts: elkservers
  remote_user: azdmin
  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 python3-pip
      apt:
        force_apt_get: yes
        name: python3-pip
        state: present

    # Use pip module (It will default to pip3)
    - name: Install Docker 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
```

```yaml
docker_container:
  name: elk
  image: sebp/elk:761
  state: started
  restart_policy: always
  # Please list the ports that ELK runs on
  published_ports:
    - 5601:5601
    - 9200:9200
    - 5044:5044
```