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- name: Configure Elk VM with Docker
  hosts: elk
  remote_user: azureuser
  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 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

```