Homework

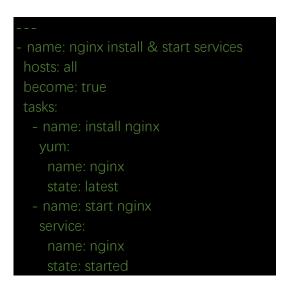## Create an Ansible playbook

1. Create a VM using virtualbox
2. Install ansible on your local machine and control the VM (perform installations of tools / libraries)
3. Create ansible inventory file
4. Create ansible playbook
5. Create public /private key pair and setup SSH authentication

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First, we are going to use this command

```
sudo vi nginx-install.yml
```

and write in the file the following

```
---
- name: nginx install & start services
  hosts: all
  become: true
  tasks:
    - name: install nginx
      yum:
        name: nginx
        state: latest
    - name: start nginx
      service:
        name: nginx
        state: started
```

to verify if this is correct, we are using this link https://www.yamllint.com/

next we must write the following commands

```
yum list installed | grep nginx
ps -ef | grep nginx
```

and finally, the results

```
PLAY [nginx install & start services] **********

TASK [Gathering Facts] **************************
ok: [172.31.29.81]

TASK [install nginx] ****************************
changed: [172.31.29.81]

TASK [start nginx] ******************************
changed: [172.31.29.81]

PLAY RECAP **************************************
172.31.29.81                : ok=3    changed=2
```