

3.2 Install and configure one monitoring tool that can be installed in Debian and Centos servers (if it is a stack there should be option of different host)



4.4 Change Motd as "Ansible Managed by <username>"

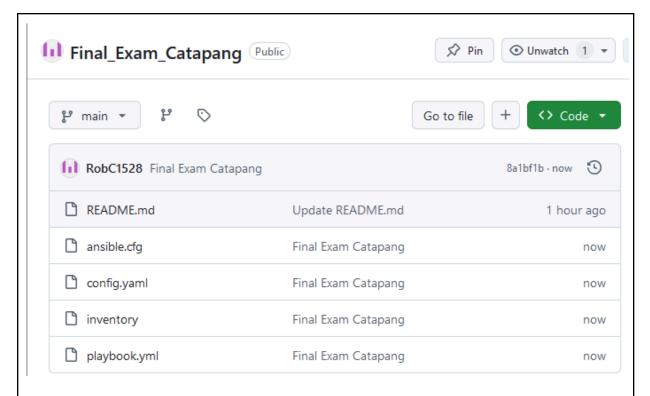
[rcatapang@localhost ~]\$ cat /etc/motd
Ansible Managed by rcatapang

catapang@server3:~\$ cat /etc/motd Ansible Managed by catapang

4. Push and commit your files in GitHub

```
catapang@localmachine:~/CPE212/Final_Exam_Catapang$ git add .
catapang@localmachine:~/CPE212/Final_Exam_Catapang$ git commit -m "Final Exam"
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 4 different commits each, respectively.
  (use "git pull" to merge the remote branch into yours)

nothing to commit, working tree clean
catapang@localmachine:~/CPE212/Final_Exam_Catapang$ git pull
Successfully rebased and updated refs/heads/main.
catapang@localmachine:~/CPE212/Final_Exam_Catapang$ ls
ansible.cfg config.yaml inventory playbook.yml README.md
catapang@localmachine:~/CPE212/Final_Exam_Catapang$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 987 bytes | 987.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:RobC1528/Final_Exam_Catapang.git
  504672e..8a1bf1b main -> main
```



5. Make sure to show evidence of input (codes) process (codes successfully running) and output (evidence of installation)

```
atapang@localmachine:~/CPE212/Final_Exam_Catapang$ cat playbook.yml
  name: Setup Apache and Netdata on CentOS and Ubuntu servers
  hosts: all
  become: true
  tasks:
    # Install Apache (for Ubuntu and CentOS)- name: Install Apache on Ubuntu and CentOS
      package:
        name: apache2
      state: present
when: ansible_facts['os_family'] == 'Debian'
    - name: Install Apache on CentOS
      package:
name: httpd
      state: present
when: ansible_facts['os_family'] == 'RedHat'
    # Start and enable Apache service (for Ubuntu and CentOS)
      name: Start and enable Apache service
      service:
        name: "{{ 'apache2' if ansible_facts['os_family'] == 'Debian' else 'http
d' }}"
        state: started
        enabled: yes
when: ansible_facts['os_family'] == 'Debian' or ansible_facts['os_family']
== 'RedHat'
    # Install Netdata (for Ubuntu and CentOS)
      name: Install dependencies for Netdata (Ubuntu and CentOS)
      package:
        name:
           - curl
           - gcc
           - make
         state: present
```

```
package:
       name: apache2
     state: present
when: ansible_facts['os_family'] == 'Debian'

    name: Install Apache on CentOS

     package:
       name: httpd
       state: present
     when: ansible_facts['os_family'] == 'RedHat'
   # Start and enable Apache service (for Ubuntu and CentOS)
     name: Start and enable Apache service
     service:
       name: "{{ 'apache2' if ansible_facts['os_family'] == 'Debian' else 'http
d' }}"
       state: started
       enabled: yes
     when: ansible_facts['os_family'] == 'Debian' or ansible_facts['os_family']
 == 'RedHat'
   # Install Netdata (for Ubuntu and CentOS)
    - name: Install dependencies for Netdata (Ubuntu and CentOS)
     package:
       name:
         - curl
         - gcc
         - make
       state: present
     when: ansible_facts['os_family'] == 'Debian' or ansible_facts['os_family']
 == 'RedHat'
   # Change MOTD message (for Ubuntu and CentOS)

    name: Change MOTD to "Ansible Managed by {{ ansible_user }}"

     lineinfile:
       path: /etc/motd
line: "Ansible Managed by {{ ansible_user }}"
       create: yes
       state: present
                                     "_Catapang$ ansible-playbook --ask-becom
e-pass playbook.yml
BECOME password:
PLAY [Setup Apache and Netdata on CentOS and Ubuntu servers] ***************
ok: [192.168.56.14]
TASK [Install Apache on Ubuntu and CentOS] *******************************
skipping: [192.168.56.17]
ok: [192.168.56.14]
skipping: [192.168.56.14]
ok: [192.168.56.17]
TASK [Start and enable Apache service] *****************************
ok: [192.168.56.17]
ok: [192.168.56.14]
TASK [Install dependencies for Netdata (Ubuntu and CentOS)] **************
TASK [Change MOTD to "Ansible Managed by {{ ansible_user }}"] *************
unreachable=0
                                                             failed=0
                      ignored=0
          rescued=0
                                 changed=0
                                             unreachable=0
                                                             failed=0
          rescued=0
                      ignored=0
kipped=1
```

5. For your final exam to be counted, please paste your repository link as an answer in this exam.

 $\underline{https://github.com/RobC1528/Final_Exam_Catapang.git}$

Note: Extra points if you will implement the said services via containerization.