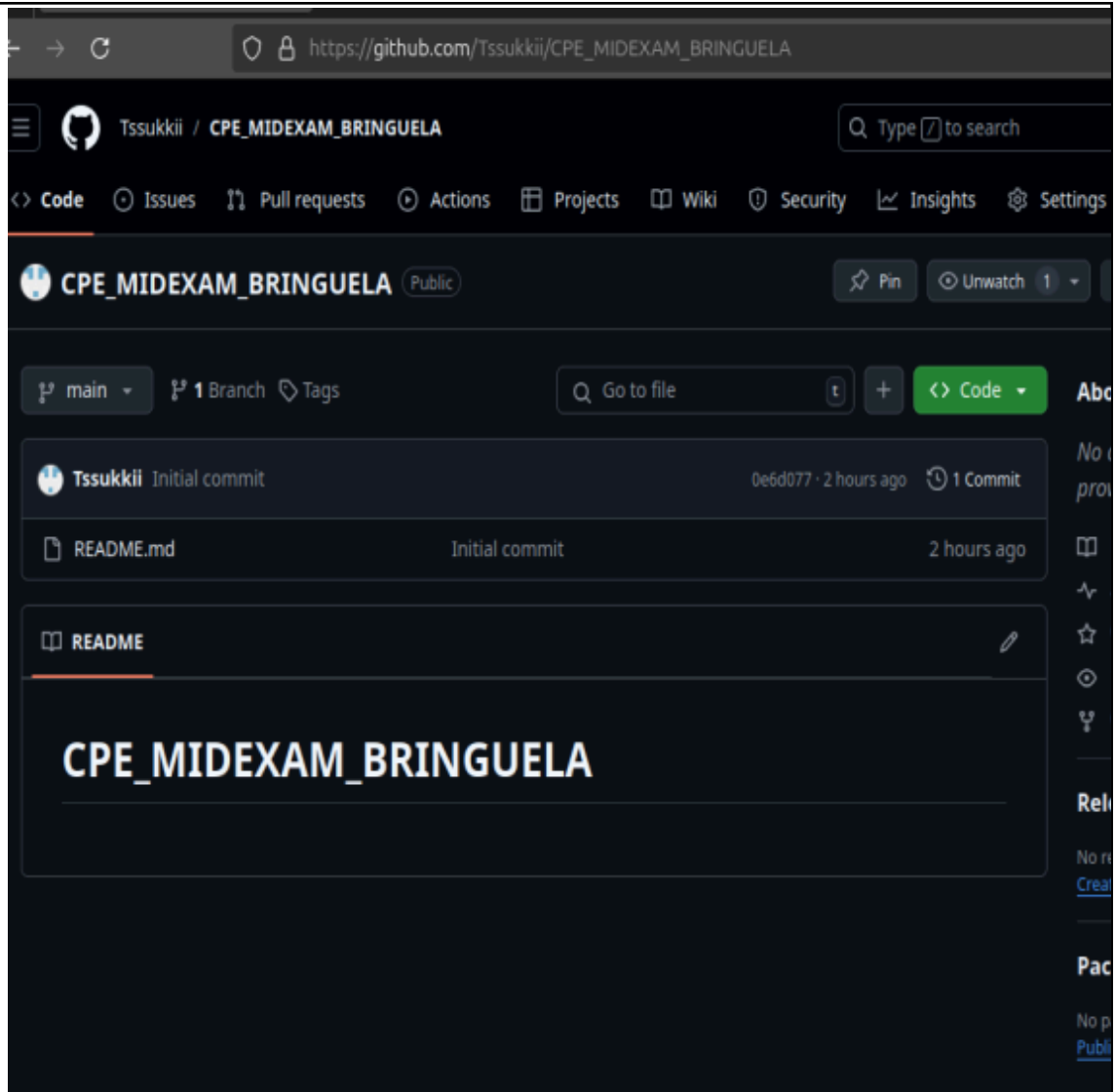


Name: Tracey dee bringuela	Date Performed:
Course/Section: cpe31s2	Date Submitted:
Instructor:	Semester and SY:
Midterm Skills Exam: Install, Configure, and Manage Log Monitoring tools	
1. Objectives	
Create and design a workflow that installs, configure and manage enterprise availability, performance and log monitoring tools using Ansible as an Infrastructure as Code (IaC) tool.	
2. Instructions	
<ol style="list-style-type: none"> 1. Create a repository in your GitHub account and label it CPE_MIDEXAM_SURNAME. 2. Clone the repository and do the following: <ol style="list-style-type: none"> 2.1. Create an Ansible playbook that does the following with an input of a config.yaml file and arranged Inventory file: 2.2. Install and configure Elastic Stack in separate hosts (Elastic Search, Kibana, Logstash) • Install Nagios in one host 2.3. Install Grafana,Prometheus and Influxdb in separate hosts (Influxdb,Grafana,Prometheus) 2.4. Install Lamp Stack in separate hosts (Httpd + Php,Mariadb) 3. Document all your tasks using this document. Provide proofs of all the ansible playbooks codes and successful installations. 4. Document the push and commit from the local repository to GitHub. 5. Finally, paste also the link of your GitHub repository in the documentation. 	
3. Output (screenshots and explanations)	



this is the install.yaml

```
GNU nano 7.2                                install.yaml *
```

```
--
- name: Install LAMP stack
  hosts: httpd_php:mariadb
  roles:
    - { role: httpd_php, when: "'httpd_php' in group_names" }
    - { role: mariadb, when: "'mariadb' in group_names" }

- name: Install Grafana, Prometheus, and InfluxDB
  hosts: grafana:prometheus:influxdb
  roles:
    - { role: grafana, when: "'grafana' in group_names" }
    - { role: prometheus, when: "'prometheus' in group_names" }
    - { role: influxdb, when: "'influxdb' in group_names" }

- name: Install and configure Elastic Stack
  hosts: elasticsearch:kibana:logstash
  roles:
    - { role: elasticsearch, when: "'elasticsearch' in group_names" }
    - { role: kibana, when: "'kibana' in group_names" }
    - { role: logstash, when: "'logstash' in group_names" }
```

[Read 30 lines]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo
^X Exit	^R Read File	^_ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo

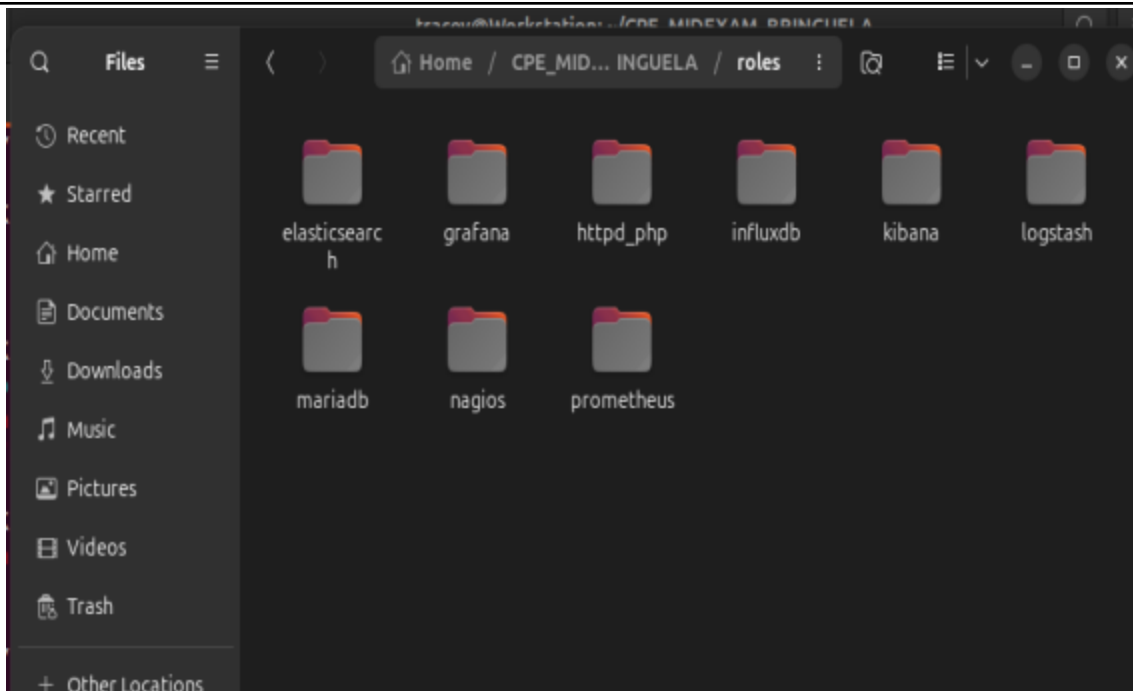
this is the inventory file

```
GNU nano 7.2                                inver
```

```
all:
  children:
    elasticsearch:
      hosts:
        192.168.56.114
        192.168.56.117
    kibana:
      hosts:
        192.168.56.114
        192.168.56.117
    logstash:
      hosts:
        192.168.56.114
        192.168.56.117
    nagios:
      hosts:
        192.168.56.114
    grafana:
      hosts:
        192.168.56.114
```

[Read 30 lines]

this is the role file



i cannot start the playbook because it has problems

```

TASK [kibana : Configure Kibana] *****
skipping: [192.168.56.117]

PLAY [Install Nagios] *****

TASK [Gathering Facts] *****
ok: [192.168.56.117]

TASK [nagios : Install Nagios on CentOS] *****
fatal: [192.168.56.117]: FAILED! => ("changed": false, "failures": ["No package nagios-4.5 available."], "msg": "Failed to install some of the specified packages", "rc": 1, "results": [])

PLAY RECAP *****
192.168.56.113      : ok=1    changed=0    unreachable=0    failed=1    skipped=1    rescued=0    ignored=0
192.168.56.114      : ok=1    changed=0    unreachable=0    failed=1    skipped=4    rescued=0    ignored=0
192.168.56.117      : ok=2    changed=0    unreachable=0    failed=1    skipped=6    rescued=0    ignored=0

```

GitHub link:

Conclusions: (link your conclusion from the objective)
https://github.com/Tssukkii/CPE_MIDEXAM_BRINGUELA

i have learned many things the only problem that the elastic search is not found when i downloaded it for some reason