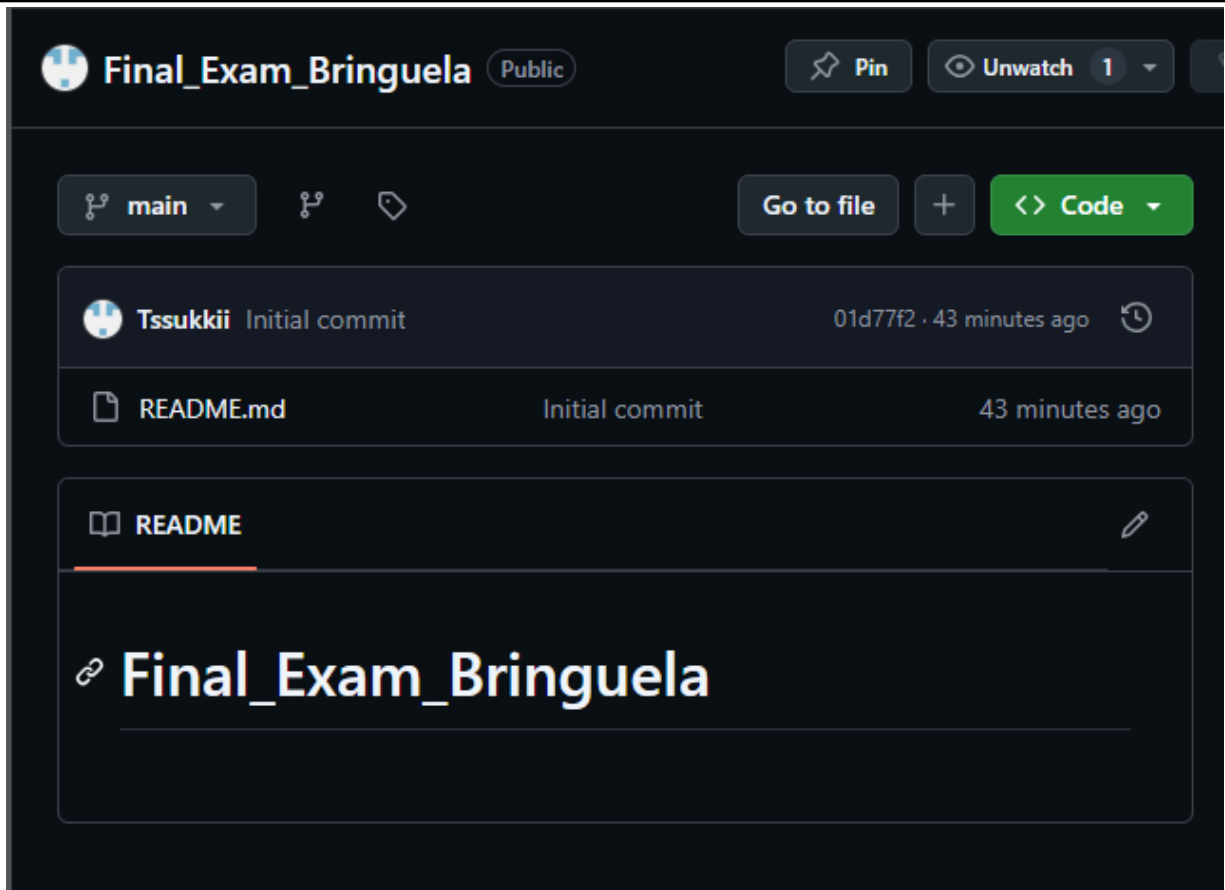


Name:Tracey Dee Bringuela	Date Performed:
Course/Section:CPE31S2	Date Submitted:
Instructor: Robin valenzuela	Semester and SY:

Final Exam

1. created the repo



2. codes in for the enterprise

```
- name: Install enterprise service (Apache)
  package:
    name: "[{'apache2' if ansible_os_family == 'Debian' else 'httpd' }]"
    state: present

- name: Configure enterprise service
  template:
    src: templates/apache2.conf.j2
    dest: "[{'/etc/apache2/apache2.conf' if ansible_os_family == 'Debian' else '/etc/httpd/conf/httpd.conf' }]"

- name: Start and enable enterprise service
  service:
    name: "[{'apache2' if ansible_os_family == 'Debian' else 'httpd' }]"
    state: started
    enabled: true
```

This is the code used to download the apache2 on both ubuntu and centos

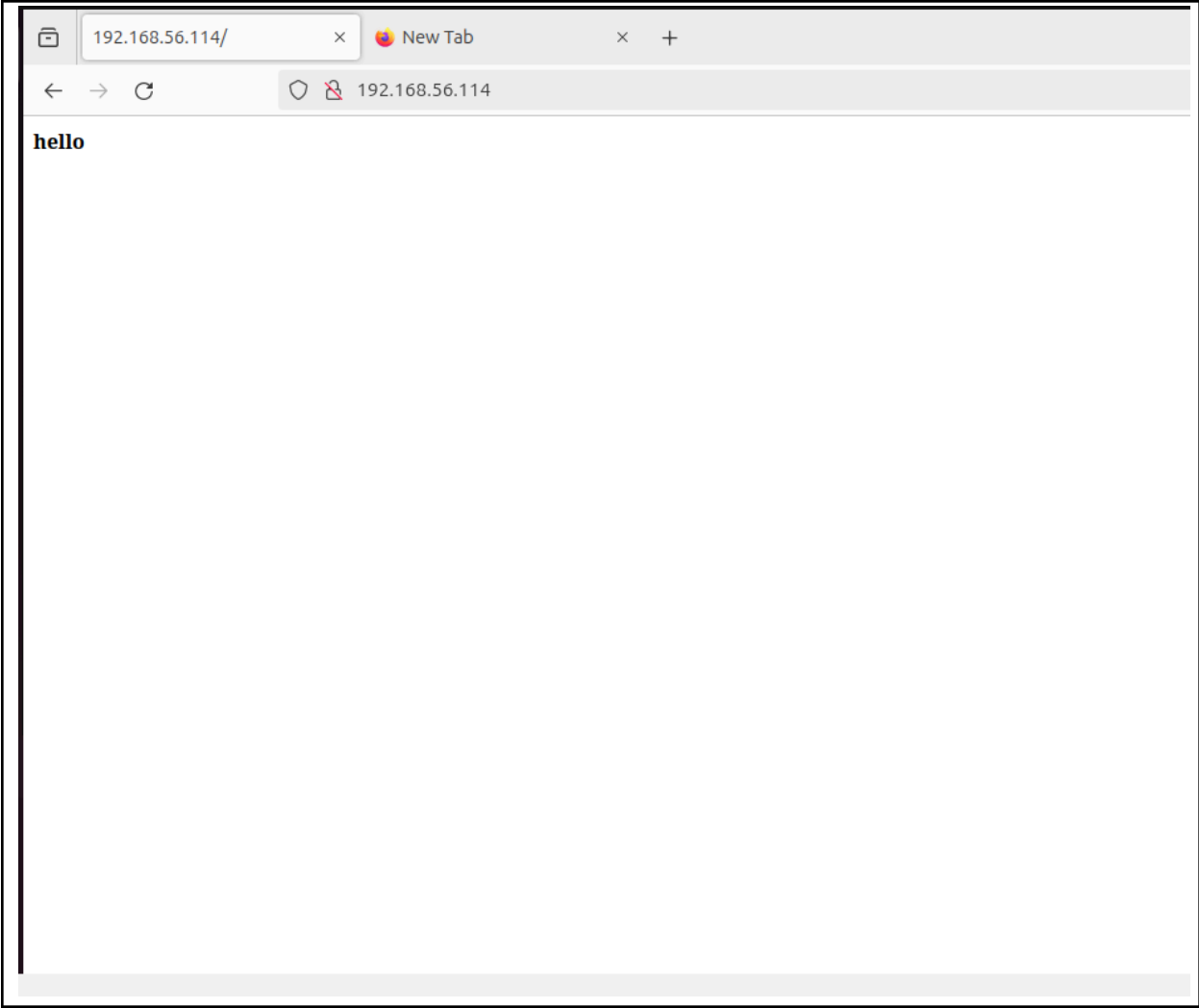
3. screenshots that shows the enterprise works on ubuntu and centos

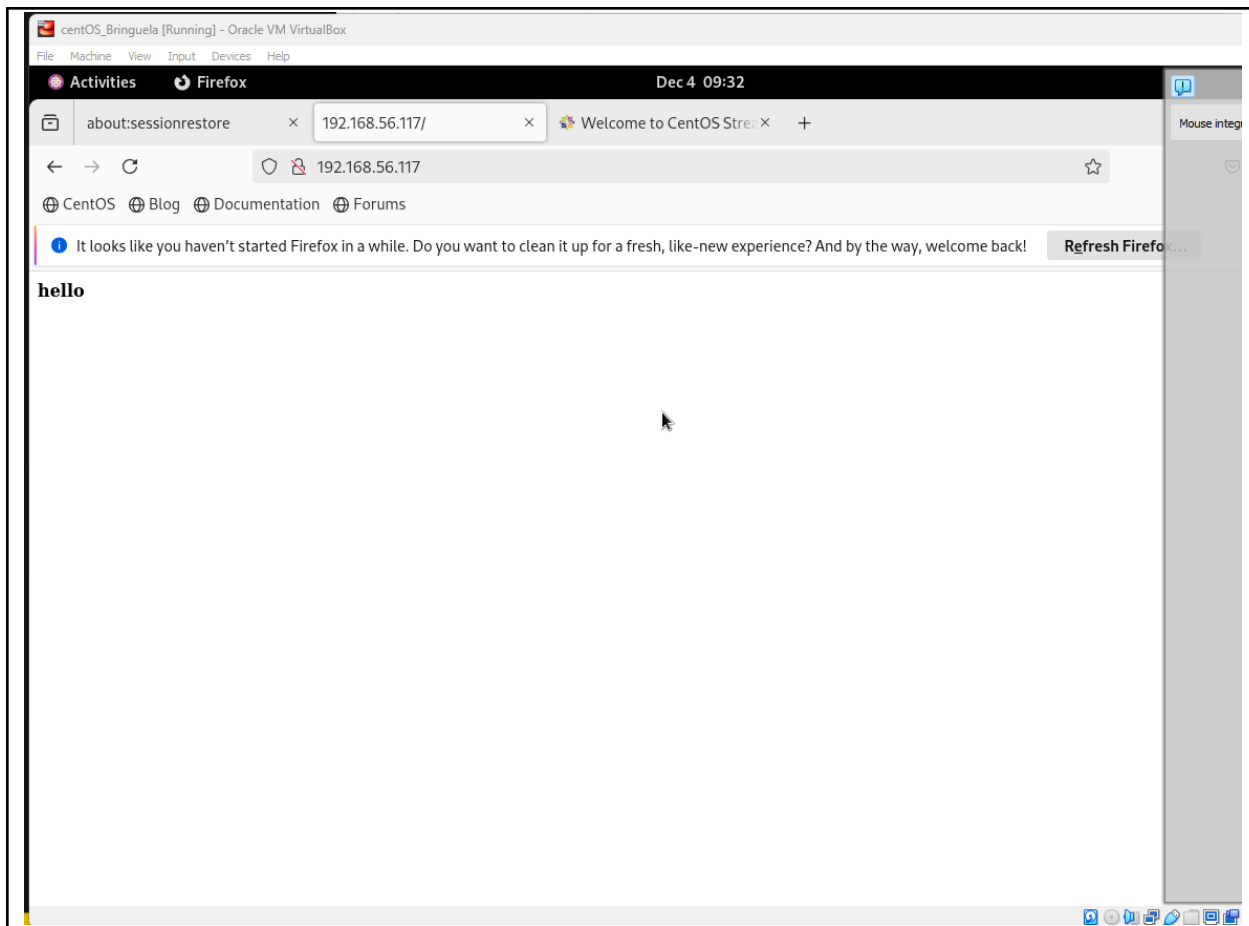
```
trancey@Server1:~$ systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-12-04 07:55:47 PST; 1h 2min ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 1444 (apache2)
      Tasks: 6 (limit: 2305)
   Memory: 4.4M (peak: 18.2M swap: 7.8M swap peak: 7.8M)
      CPU: 313ms
   CGroup: /system.slice/apache2.service
           └─1444 /usr/sbin/apache2 -k start
             └─1461 /usr/sbin/apache2 -k start
               └─1462 /usr/sbin/apache2 -k start
                 └─1463 /usr/sbin/apache2 -k start
                   └─1464 /usr/sbin/apache2 -k start
                     └─1465 /usr/sbin/apache2 -k start

Dec 04 07:55:36 Server1 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Dec 04 07:55:47 Server1 apachectl[1289]: AH00558: apache2: Could not reliably determine the server>
Dec 04 07:55:47 Server1 systemd[1]: Started apache2.service - The Apache HTTP Server.
lines 1-19/19 (END)
```

```
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Drop-In: /usr/lib/systemd/system/httpd.service.d
            └─php-fpm.conf
   Active: active (running) since Wed 2024-12-04 07:52:38 PST; 1h 7min ago
     Docs: man:httpd.service(8)
  Main PID: 896 (httpd)
    Status: "Total requests: 14; Idle/Busy workers 100/0;Requests/sec: 0.00344"
      Tasks: 177 (limit: 10948)
   Memory: 14.5M
      CPU: 6.501s
   CGroup: /system.slice/httpd.service
           └─ 896 /usr/sbin/httpd -DFOREGROUND
             └─1037 /usr/sbin/httpd -DFOREGROUND
               └─1038 /usr/sbin/httpd -DFOREGROUND
                 └─1039 /usr/sbin/httpd -DFOREGROUND
                   └─1040 /usr/sbin/httpd -DFOREGROUND

Dec 04 07:52:33 localhost.localdomain systemd[1]: Starting The Apache HTTP Serv>
Dec 04 07:52:38 localhost.localdomain httpd[896]: AH00558: httpd: Could not rel>
Dec 04 07:52:38 localhost.localdomain systemd[1]: Started The Apache HTTP Serve>
Dec 04 07:52:38 localhost.localdomain httpd[896]: Server configured, listening >
lines 1-22/22 (END)
```





4.codes for the prometheus

```
- name: Download Prometheus binary
App Center url:
  url: "https://github.com/prometheus/prometheus/releases/download/v{{ monitoring_tool.version }}/prometheus-{{ monitoring_tool.version }}.linux-amd64.tar.gz"
  dest: /tmp/prometheus-{{ monitoring_tool.version }}.linux-amd64.tar.gz

- name: Extract Prometheus binary
unarchive:
  src: /tmp/prometheus-{{ monitoring_tool.version }}.linux-amd64.tar.gz
  dest: /usr/local/bin/
  remote_src: yes

- name: Move Prometheus binaries to /usr/local/bin
command: >
  mv /usr/local/bin/prometheus-{{ monitoring_tool.version }}.linux-amd64/prometheus /usr/local/bin/
  mv /usr/local/bin/prometheus-{{ monitoring_tool.version }}.linux-amd64/promtool /usr/local/bin/
args:
  removes: /usr/local/bin/prometheus
  removes: /usr/local/bin/promtool

- name: Create Prometheus user
user:
  name: prometheus
  shell: /sbin/nologin

- name: Create Prometheus directories
```

This is the code for my prometheus for centos and ubuntu i do like this because the centos cant recognise the prometheus on by it self i have to manually do this

5. screenshots for the prometheus

```
tracey@Server1:~$ sudo systemctl status prometheus
* prometheus.service - Prometheus
   Loaded: loaded (/etc/systemd/system/prometheus.service; enabled; preset: enabled)
   Active: failed (Result: exit-code) since Wed 2024-12-04 09:26:23 PST; 26s ago
     Docs: man:prometheus.service(8)
           https://prometheus.io/docs/operating/collector/
   Main PID: 1000
   Subprocesses: 0
   CGroup: /systemd/system/prometheus.service
           └─
```

```
* prometheus.service - Prometheus
   Loaded: loaded (/etc/systemd/system/prometheus.service; enabled; preset: d>
   Active: failed (Result: exit-code) since Wed 2024-12-04 09:20:43 PST; 2s a>
     Docs: man:prometheus.service(8)
           https://prometheus.io/docs/operating/collector/
   Main PID: 1000
   Subprocesses: 0
   CGroup: /systemd/system/prometheus.service
           └─
```

Duration: 2ms

6. codes for the changing the motd

```
- name: Ensure MOTD file exists
  file:
    path: /etc/motd
    state: touch

- name: Change MOTD
  lineinfile:
    path: /etc/motd
    line: "Ansible Managed by {{ username }}"
    state: present

- name: Ensure MOTD file has the correct permissions
  file:
    path: /etc/motd
    owner: root
    group: root
    mode: '0644'
```

7. screenshots for the changing the motd

```
tracey@Workstation:~/Final_Exam_Bringuela$ ssh 192.168.56.114
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-48-generic x86_64)
```

```
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro
```

Expanded Security Maintenance for Applications is not enabled.

120 updates can be applied immediately.

42 of these updates are standard security updates.

To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

*** System restart required ***

Ansible Managed by Tracey

Last login: Wed Dec 4 09:26:24 2024 from 192.168.56.111

```
tracey@Workstation:~/Final_Exam_Bringuela$ ssh 192.168.56.117
Ansible Managed by Tracey
Activate the web console with: systemctl enable --now cockpit.socket

Last login: Wed Dec 4 09:26:25 2024 from 192.168.56.111
[tracey@localhost ~]$
```