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6/8/22 – 6/9/22
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FINAL SKILLS EXAM

CPE31S7

Tools Needed:

1. VM with Alpine, Git, and Ansible installed
2. Web browser

Procedure:

```
ezekiel@192:~/Manuel_FinalExam$ cat ansible.cfg
[defaults]

inventory = ./inventory
remote_user = ezekiel26

[privilege_escalation]
become = True
become_method = sudo
become_user = root
become_ask_pass = False
ezekiel@192:~/Manuel_FinalExam$
```

```
ezekiel@192:~/Manuel_FinalExam$ cat config.yaml
nagios_user: ezekiel
nagios_password: ezekiel26

username: ezekiel
ezekiel@192:~/Manuel_FinalExam$
```

```
ezekiel@192:~/Manuel_FinalExam$ cat inventory
192.168.56.115
ezekiel@192:~/Manuel_FinalExam$
```

```
ezeziel@192:~/Manuel_FinalExam$ cat playbook.yaml
---
- name: Manuel Final Exam
  hosts: all
  gather_facts: True

  tasks:
    - name: Clone Prelim Exam repository
      include_role:
        name: git-clone

    - name: Install and configure one enterprise service (MariaDB)
      include_role:
        name: package-ubuntu
      vars:
        url: ""
        repo: ""
        package: mariadb-server
        service: ""
      when: ansible_facts['distribution'] == 'Ubuntu'

- name: Install and configure one monitoring tool (Nagios)
  hosts: all

  tasks:
    - name: Include variable
      include_vars:
        file: config.yaml
```

```
- name: Install nagios packages for Ubuntu
  include_role:
    name: package-ubuntu
  vars:
    url: ""
    repo: ""
    package:
      - autoconf
      - gcc
      - libc6
      - make
      - wget
      - libssl-dev
      - gawk
      - dc
      - build-essential
      - snmp
      - libnet-snmp-perl
      - gettext
      - unzip
      - apache2
      - php
      - libapache2-mod-php7.4
      - libgd-dev
      - python3
      - python3-pip
    service: ""
  when: ansible_facts['distribution'] == 'Ubuntu'
```

```
- name: Configure nagios
  include_role:
    name: nagios
  when: ansible_facts['distribution'] == 'Ubuntu'

- name: Change MOTD
  hosts: all

tasks:
  - name: Include variable
    include_vars:
      file: config.yaml

  - name: Changing MOTD on Ubuntu
    include_role:
      name: motd
    when: ansible_facts['distribution'] == 'Ubuntu'
ezeziel@192:~/Manuel_FinalExam$
```

```
ezeziel@192:~/Manuel_FinalExam$ cat README.md
# Manuel_FinalExam
ezeziel@192:~/Manuel_FinalExam$
```

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README.md

Manuel_FinalExam

About

No description, website, or topics provided.

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Releases

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Packages

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Link to the repository:

https://github.com/Ezekiel-Manuel/Manuel_FinalExam.git