

Name: Onod, Earel John E.	Date Performed: 10/10/25
Course/Section: CPE232 - CPE31S4	Date Submitted: 10/10/25
Instructor: Sir Robin Valenzuela	Semester and SY: 1st Sem 25-26
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)	
1.	

EareJohnOnod/CPE_MIDEXAM_ONOD

EareJohnOnod / CPE_MIDEXAM_ONOD

CPE_MIDEXAM_ONOD Public

main · 1 Branch · 0 Tags

Go to file

EareJohnOnod Initial commit d71f0ad · 19 minutes ago 1 Commit

README.md Initial commit 19 minutes ago

README

CPE_MIDEXAM_ONOD

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published [Create a new release](#)

Packages

No packages published [Publish your first package](#)

2.

```
GNU nano 7.2
hosts: all
become: true
tasks:
- name: elasticsearch
  apt:
    name: elasticsearch
- name: kibana
  apt:
    name: kibana
- name: logstash
  apt:
    name: logstash
- name: grafana
  apt:
    name: grafana
- name: prometheus
  apt:
    name: prometheus
- name: lampstack
  apt:
    name: lampstack
```

controller@workstation:~/CPE_MIDEXAM_ONOD

install.yml

File Edit Insert View Search Help

^G Help ^Q Write Out ^W Where Is ^K Cut ^T Execute M-U Undo
^X Exit ^R Read File ^V Replace ^U Paste ^J Justify ^C Location M-E Redo
^I Go To Line M-A Set Mark M-G Copy

```
- name: httpd
  apt:
    name: httpd

- name: php
  apt:
    name: php
```

█ ^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
█ ^X Exit ^R Read File ^V Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo
█ M-A Set Mark
█ M-6 Copy

3.

```
controller@workstation:~/CPE_MIDEXAM_ONOD$ ansible-playbook --ask-become-pass install.yml
BECOME password:

PLAY [all] ****
TASK [Gathering Facts] ****
fatal: [192.168.56.126]: UNREACHABLE! => {"changed": false, "msg": "Failed to connect to the host via ssh: ssh: connect to host 192.168.56.126 port 22: No route to host", "unreachable": true}

PLAY RECAP ****
192.168.56.126 : ok=0    changed=0    unreachable=1    failed=0    skipped=0    rescued=0    ignored=0
```

4.

```
controller@workstation:~/CPE_MIDEXAM_ONOD$ git push origin main
Username for 'https://github.com': EarelJohnOnod
Password for 'https://EarelJohnOnod@github.com':
remote: Invalid username or token. Password authentication is not supported for Git operations.
fatal: Authentication failed for 'https://github.com/EarelJohnOnod/CPE_MIDEXAM_ONOD.git/'
```

GitHub link:

https://github.com/EarelJohnOnod/CPE_MIDEXAM_ONOD

Conclusions: (link your conclusion from the objective)