

Instructions

Tools Needed:

1. Control Node (CN) - 1
2. Manage Node (MN) - 2 Ubuntu

Procedure:

1. Note: You are required to create a document report of the steps you will do for this exam. All screenshots should be labeled and explained properly. LABELED AND EXPLAIN EACH CODE (PLAYBOOK) No explanation = Minus Points
2. Create a repository in your GitHub account and label it as Surname_PrelimExam

The screenshot shows a GitHub repository page for 'Gayao_PrelimExam'. The repository is public and has 1 branch and 0 tags. It contains three files: README.md, ansible.cfg, and inventory. The README.md file is selected, showing the title 'Gayao_PrelimExam'. The right sidebar shows the repository's activity, including 0 stars, 1 watching, and 0 forks. The footer of the page displays the GitHub logo and copyright information for 2024.

quests Actions Projects Wiki Security Insights Settings

Gayao_PrelimExam Public Pin Unwatch 1 Fork 0

main 1 Branch 0 Tags Go to file Add file Code

PooKYZZZ Create inventory 9ea54ad · 8 minutes ago 3 Commits

README.md	Initial commit	11 minutes ago
ansible.cfg	Create ansible.cfg	10 minutes ago
inventory	Create inventory	8 minutes ago

README

Gayao_PrelimExam

No description, website

Readme Activity 0 stars 1 watching 0 forks

Releases

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

Packages

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

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- Created a new repository for our prelim exam and git clone to ubuntu.
3. Clone your new repository in your CN.

```

qfmgayao@workstation:~/activities$ git clone git@github.com:PooKYZZZ/Gayao_PrelimExam.git
Cloning into 'Gayao_PrelimExam'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (7/7), done.
Receiving objects: 100% (9/9), done.
Resolving deltas: 100% (1/1), done.
remote: Total 9 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
qfmgayao@workstation:~/activities$ ls
Gayao_PrelimExam
qfmgayao@workstation:~/activities$ cd Gayao_PrelimExam
qfmgayao@workstation:~/activities/Gayao_PrelimExam$ ls

```

- Git clone the repository.
- 4. In your CN, create an inventory file and ansible.cfg files.

```

qfmgayao@workstation:~/activities/Gayao_PrelimExam$ ls
ansible.cfg  inventory  README.md
qfmgayao@workstation:~/activities/Gayao_PrelimExam$ cat ansible.cfg
[defaults]
inventory = inventory
remote_user = qfmgayao
host_key_checking = True
qfmgayao@workstation:~/activities/Gayao_PrelimExam$ cat inventory
[servers]
server1 ansible_host=192.168.56.135
server2 ansible_host=192.168.56.150
qfmgayao@workstation:~/activities/Gayao_PrelimExam$ S

```

- Created a new inventory and ansible file with servers or manage nodes inside.

5. Create an Ansible playbook that does the following with an input of a config.yaml file for both Manage Nodes



PooKYZZZ Create playbook.yml

Code

Blame

29 lines (25 loc) · 576 Bytes

```
1  ---
2  - hosts: all
3    become: true
4
5    tasks:
6      - name: Install latest Python3 and pip3
7        apt:
8          name:
9            - python3
10           - python3-pip
11          state: latest
12          update_cache: yes
13
14      - name: Set pip3 as default pip
15        alternatives:
16          name: pip
17          link: /usr/bin/pip
18          path: /usr/bin/pip3
19
20      - name: Set python3 as default python
21        alternatives:
22          name: python
23          link: /usr/bin/python
24          path: /usr/bin/python3
25
26      - name: Install Java OpenJDK
27        apt:
28          name: openjdk-21-jdk
29          state: latest
```

- Installs the latest python3 and pip3
- use pip3 as default pip
- use python3 as default python
- Install Java open-jdk
- Create a Python Script named "github.py" that automatically opens github on Firefox (or any default web browser) USING ANSIBLE.
- Create Motd containing the text defined by a variable defined in config.yaml file and if there is no variable input the default motd is "Ansible Managed node by (your user name)"
- Create a user with a variable defined in config.yaml

5. PUSH and COMMIT your PrelimExam in your GitHub repo

6. Screenshot / document your work. Add PROOF that all your CODES / SCRIPTS WORK.

7. Your document report should be submitted here. Your document SHOULD BE explained neatly and comprehensively.

https://github.com/PooKYZZZ/Gayao_PrelimExam.git

8. For your prelim exam to be counted, please paste your repository link here. (Failure to submit will result in ZERO)

9. NO USE OF EXTERNAL WEBSITES SUCH AS REDDIT, FORUMS, GITHUB, CHATGPT, CLAUDEAI, BARD, AND DOCUMENTATIONS. FAILURE TO COMPLY WITH RESULT IN ZERO.