WAPH-Web Application Programming and Hacking

Instructor: Dr. Phu Phung

Student

Name: Tejeswar Reddy Nalijeni

Email: nalijety@ucmail.uc.edu

Short-bio: Currently I am pursuing Master's in Information Technology and I am interested in Cybersecurity

Repository Information

Respository's URL: https://github.com/nalijety/waph-nalijety.git (https://github.com/nalijety/waph-nalijety.git)

This is a private repository for Phu Phung to store all code from the course. The organization of this repository is as follows.

Labs

Hands-on exercises in lectures (labs)

- Lab 0 (labs/lab0): Development Environment Setup

The lab's overview

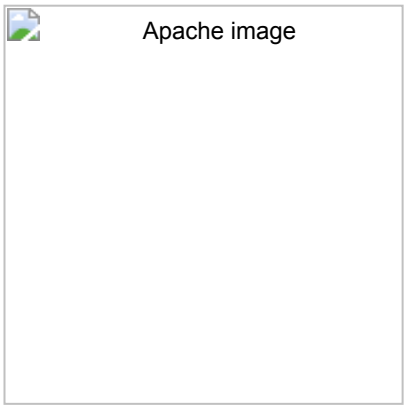
The current lab is Lab0 which is all about the Development Environment Setup given in the lecture 1 and guide is provided in lecture 2. The lab 0 is divided into parts which we need to perform the process in the sandbox. The first part is all about setting up the Ubuntu 22.04 Virtual Machine on the CECH sandbox. The second part is all about creating the Github account and using git commands to create repository.

https://github.com/nalijety/waph-nalijety/tree/main/labs/lab0 (https://github.com/nalijety/waph-nalijety/tree/main/labs/lab0).

Part I - Ubuntu Virtual Machine & Software Installation

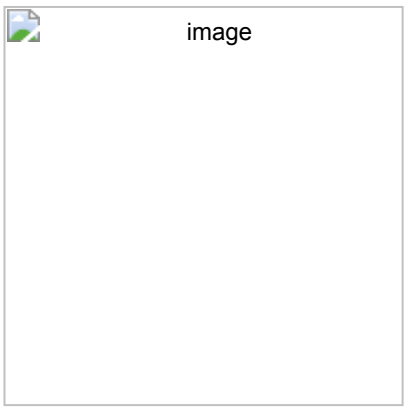
I have opened the CECH sandbox and created the VM on my UC user name. Next connected to the VM using the password provided by the instructor. Opened the terminal and using the commands installed the apache 2, sublime text editor, pandoc.

Apache Web Server Testing



Part II - git Repositories and Exercises

The course repository



Private Repository

1. To make a private space for your project on GitHub, first, sign in or create an account.
2. Then, go to your GitHub profile and click on the sign to create a new repository.
3. Give your repository a name and description, and choose the "Private" option to keep it confidential.
4. Start with a README, add a .gitignore file, and we can pick a license if needed.
5. Finally, click "Create repository" to finish.
6. Now, a private repository is created where we can collaborate on projects with instructor while keeping the work secure and private. https://github.com/nalijety/waph-nalijety.git (https://github.com/nalijety/waph-nalijety.git).

SSH key

1. To generate an SSH key from the terminal, use the command 'ssh-keygen'.
2. Accept the default location and optionally set a passphrase.
3. View the generated key files in the "~/.ssh" folder using 'ls ~/.ssh'. To add the public key to your GitHub account, use 'cat ~/.ssh/id_rsa.pub', copy the displayed content, and paste it into your GitHub account settings.
4. This key enables secure communication between the local machine and the GitHub repository.