Web Application Programming and Hacking

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Repository Information

Repository's URL: https://github.com/MahithaKalaga-cyber/waph-mahitha.git

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

Labs

Hands-on exercises in Lectures

- Lab 0: Development Environment Setup

Report

The lab's overview

This lab focused on setting up the development environment for WAPH. In Part I, I installed Ubuntu 22.04 in VirtualBox and configured the system with essential packages. In Part II, I cloned both the public course repository and my private GitHub repository, and completed git-related tasks.

Lab's URL: Lab0

Part 1 - Ubuntu Virtual Machine & Software Installation

Created a new VirtualBox VM using the Ubuntu 22.04 ISO and allocated 4 GB RAM and 2 CPUs. After the OS was installed, I set up the following:

- Installed system updates
- Installed Apache2, Git, and Sublime Text
- Installed Google Chrome manually via .deb package
- Installed Wireshark and configured non-root access

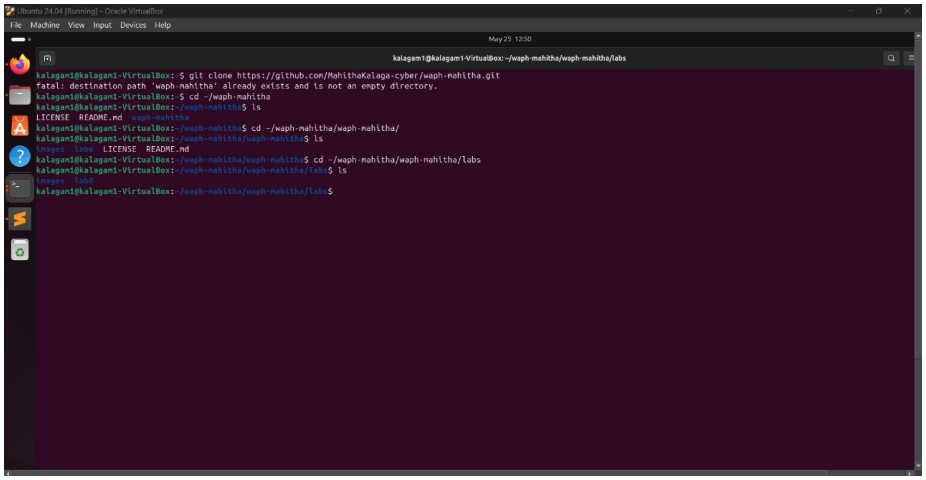
Apache Web Server Testing

Part 2 - git Repositories and Exercises

I created a private GitHub repository named waph-mahitha and shared it with the instructor by adding waph-phung as a collaborator. The repository is available at

The course repository

Repository's URL: https://github.com/MahithaKalaga-cyber/waph-mahitha.git



Private Repository

To enable secure access, I generated an SSH key pair on my Ubuntu VM and added the public key to my GitHub account. This allowed me to clone the

repository via SSH without needing a password.

After cloning, I created the labs/lab0/ directory, added the lab report in README.md, and included my headshot image using a relative path. I then committed the changes and pushed them to GitHub.

Below is a screenshot showing the successful git commit and git push from my VM: