WAPH-Web Application Programming and Hacking

Instructor: Dr. Phu Phung

Student

Name: Shivani Eli **Email**: elisi@uc.mail.edu

Figure 1: Shivani Eli

Lab 0 - Development Environment Setup

Overview

In the Lab0 of WAPH course work, I have done the Ubuntu 22.04 VM setup in the sandbox of UC. Next, I have installed all the required software as given in the assignment Lab0, firstly installed apache2, next git, sublime text, and pandoc. Additionally installed a google chrome within the VM. After this, I have created a private git repository with my UC mail github account and shared the repository with the instructore and TA as mentioned. Next, cloned the repository using the git clone command, used the ssh key. Then, the README.md file was used as template and edited the details, performing the Lab0 exercises. Finally, this report was written in the Markdown, whose file was generated into PDF by using the pandoc tool.

Part I - Ubuntu Virtual Machine & Software Installation

First step I did was to open and login into my UC sandbox and then in the Web App programming and Hacking EECE 4005 VM I clicked on REQUEST for access. The VM user name elisi-VM was created. The VM deployment was completed. In the remote console, opened the terminal in the VM, using the key -tool commands for ipaddress, them apache2 installed then, installed software like git, pandoc. The Ubuntu VM was estamblished.

Apache Web Server Testing

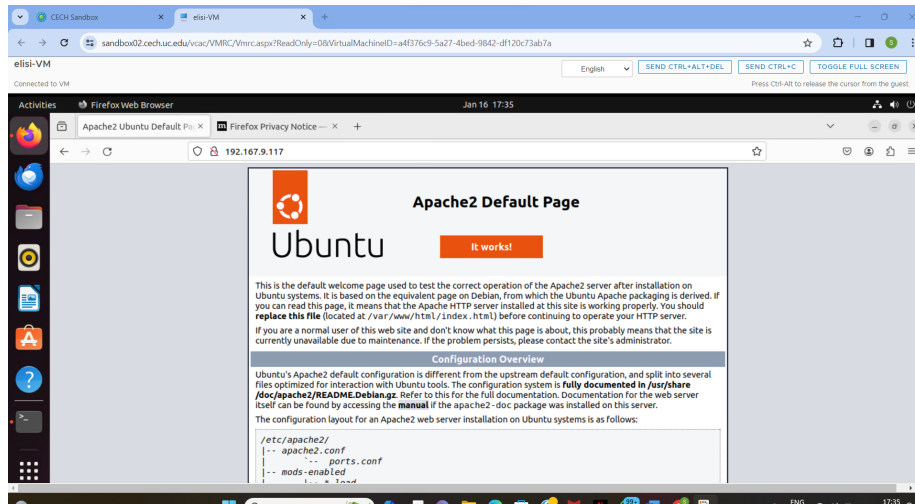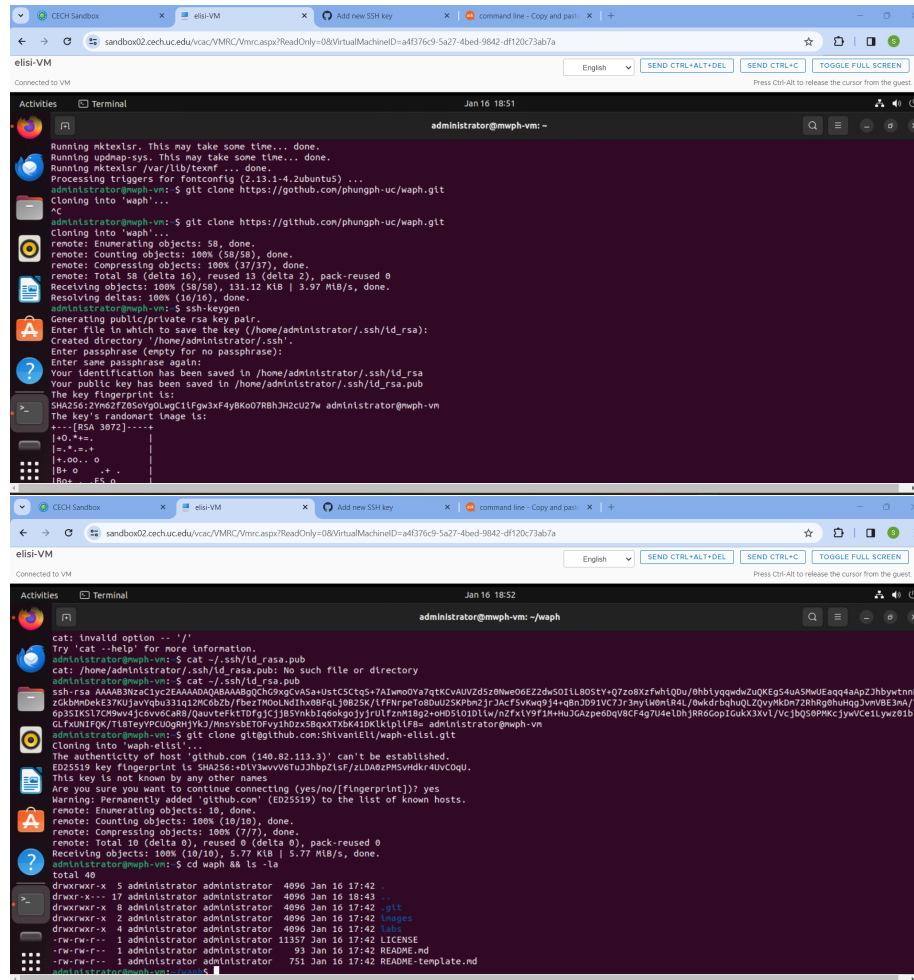The apache2 was successfully tested with the ip address

Figure 2: Apache web server testing

Part II - git Repositories and Exercises

The course repository

Private Repository

In my github account, I created a new private repository- waph-elisi, liscensed with apache2.0. Then added phungph-waph as collaborator by clicking on to settings->collaborator->requested for phungph-waph as collaborator. Then successfully added as a collaborator. https://github.com/ShivaniEli/waph-elisi

For the SSH key, initially generated a ssh key using ssh key commands in the VM, then used the id_rsa.pub, where the ssh key was copied by marking and right clicking on it and copy, then in the git account repository, under the profile; settings->SSH and GPG keys -> add new SSH, where I added

the title as waph_public_key the pasted the ssh key in the KEY, added the New SSH key. Lastly, cloned the repository with the url. Once it was cloned to the local machine, then the README.md file was updated for the submission as markdown with headshot details as per the template and requirements. The image was uploaded by creating a folder within the repository and saving the image there. Then the image path was copied and pasted.

The labs/lab0 folder and sub-folder were created, then the files were pushed after the changes.