WAPH-Web Application Programming and Hacking

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Student

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Figure 1: Grahika

Lab 0 - Development Environment Setup

Overview: For the Web Application Programming and Hacking course Lab 0, I set up an Ubuntu 22.04 virtual machine using the UC Sandbox. I installed recommended software including apache2, git, Sublime Text, Pandoc, and the Chrome browser. Following this, I created a private Git repository on GitHub, shared it with the instructor, and cloned it to my local machine. I edited the README.md and completed the Lab 0 exercises. The lab report was written in Markdown, and I used the Pandoc tool to generate a PDF for submission.

https://github.com/rampudga/waph-rampudga/blob/main/README.md

Part I : Ubuntu Virtual Machine and software Installation.

I logged into (https://sandbox02.cech.uc.edu/vcac) and submitted a request for access to the Web App Programming and Hacking EECE 4005 Virtual Machine. After the VM deployment was complete, I accessed it through components and connected to the remote console, establishing a connection to the Ubuntu 22.04 Virtual Machine.

Apache Web Server Testing

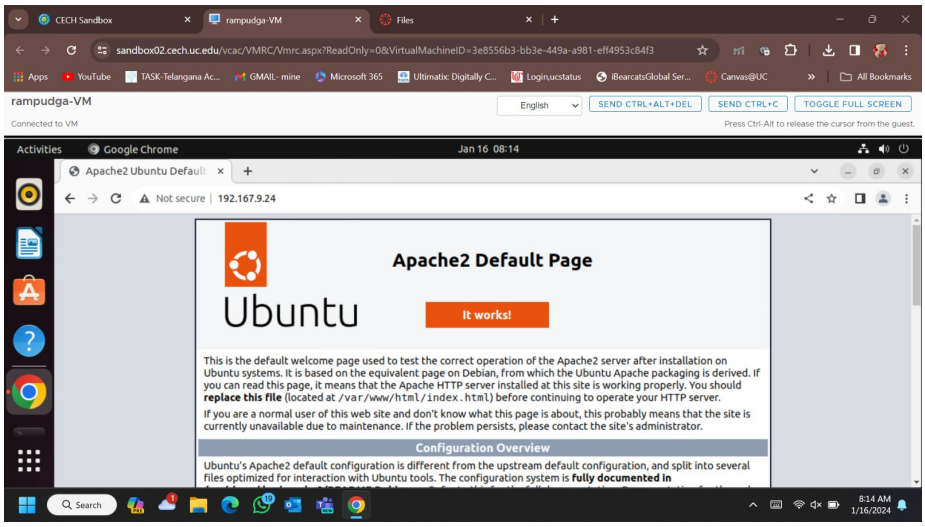

Figure 2: Apache2 in Google chrome

Part 2 - git Repositories and Exercises

The course repository

Private Repository

On GitHub.com, I initiated the creation of a new repository by selecting "create new repository" and named it as 'waph-rampudga'. I set it to private and initialized it with a README file. To include 'phung-waph' as a collaborator, I accessed the repository's settings by clicking on the settings icon. Under collaborators, I sent a collaboration request to 'phung-waph'.

https://github.com/rampudga/waph-rampudga.

To set up SSH authentication, I generated an SSH key on the local machine and added the id_rsa.pub public key to GitHub. I then cloned the repository using the SSH URL. After cloning the repository locally, I edited the README.md file following the provided template from the instructor and included a headshot image.All these modifications were staged and committed before pushing to the remote repository. Once the repository was pushed, further changes were made on GitHub by modifying the README.md file, and these changes were pulled into the local repository through the terminal.

Post this Labs/Lab0 folder was created and the README.md file was modified using Markup and genearated a PDF file utilizing Pandoc Tool

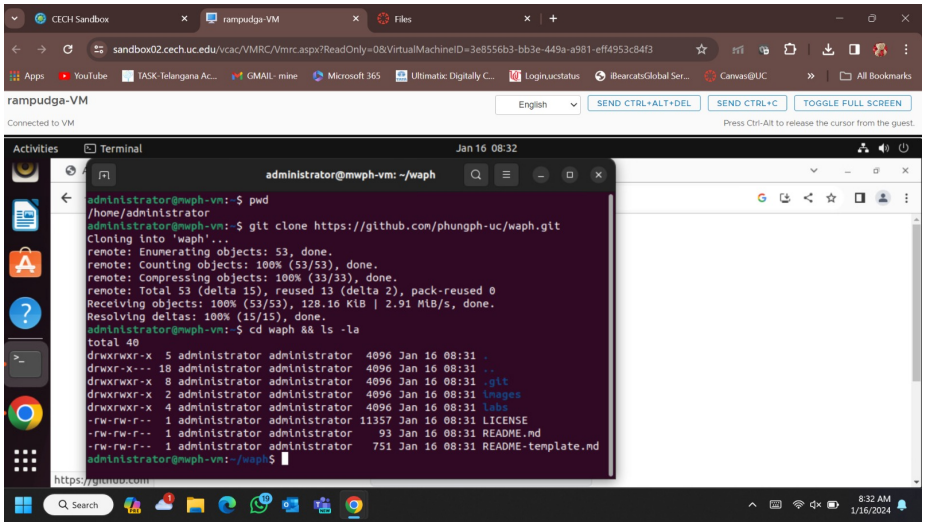

Figure 3: Github Course Repository

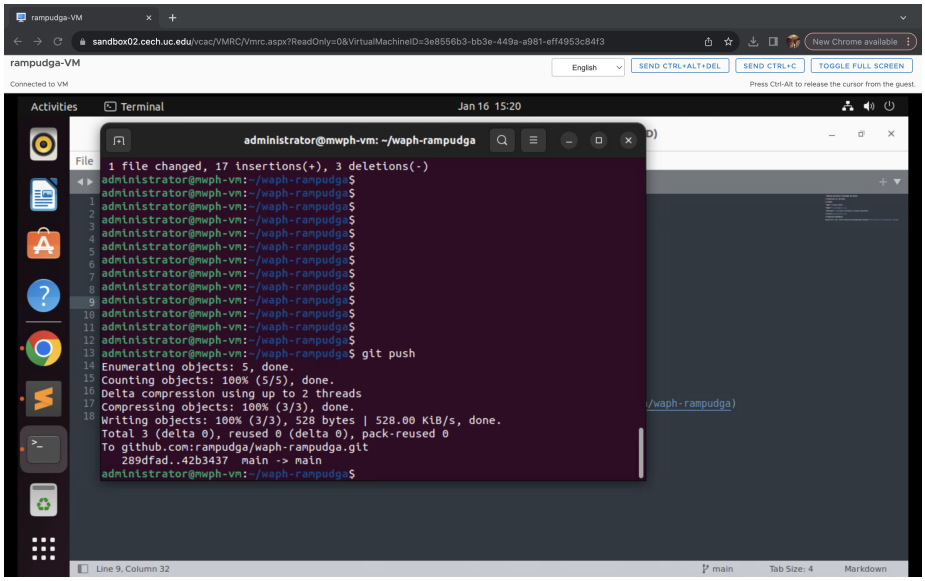

Figure 4: Repository changes pushed