WAPH-jaindy Web Application Programming and Hacking

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Student

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Short-bio: Work experience of more than 6 years in IT Industry. Specialize in Analysis, Development, Design, Testing, Debugging and Implementation of Web

Applications.



Figure 1: Divyani Headshot!

Repository Information

Respository's URL: https://github.com/jaindy/waph-jaindy.git

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

Lab 0 - Development Environment Setup

The lab's overview

In this Lab0, we have nstalled Virtual machine and created a private git repository which has shared with instructor. Also, we learned GIT operation such as git pull, add, commit and push the changes. In the main README.md file we have updated instructor and student detail and provided path to Lab0 assignment. We have also created another folder under labs/lab0/README.md. This file

has all the information covered in lecture 1 and lecture 2 along with screenshot. Lab0 folder link: https://github.com/jaindy/waph-jaindy/tree/main/labs/lab0.

Part I - Ubuntu Virtual Machine & Software Installation

Below are the steps perfored to install Ubuntu virtual machine.

- 1. Open google Chrome and enter the URL : [https://sandbox02.cech.uc.edu/vcac]
- 2. Select the domain ad.uc.edu and click on next.
- 3. Enter your UC username and password and click next.
- Click on Request link under the course name web application and hacking to create VM.
- 5. Click on Ubantu icon and provide machine name and click Submit.
- 6. Under the deployment tab, your VM is created.
- 7. Click on setting icon and connect to remote console.
- 8. Provide administrator password and press Enter.
- 9. Open Terminal and check the directory path using command pwd.

Below are the commands used to install softwares.

- 1. Installed net-tools and run command if config.
- 2. Installed apache web server using sudo apt install apache2
- 3. Installed Git using sudo apt install git
- 4. Installed git editor using sudo snap install sublime-text -classic
- 5. Installed pandoc to convert markdown files to pdf. Installed pdflatex.
- 6. Installed google chrome using sudo apt install ./google-chrome-stable_current_amd64.deb

Apache Web Server Testing

Apache Web Server is running properly in google chrome.

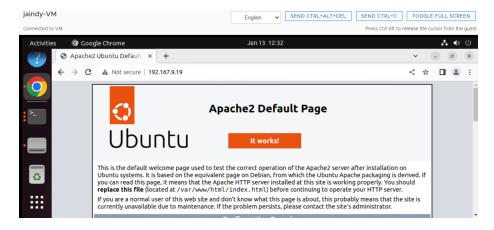


Figure 2: Apache2



Figure 3: IPAddress

Part II - git Repositories and Exercises

Installed Git and modified the README.md file and perform git operation such as git pull, git add, git commit and push.

The course repository

Cloned the course repository into the home directory:

Private Repository

Full URL of private repository: [https://github.com/jaindy/waph-jaindy.git] (https://github.com/jaindy/waph-jaindy.git).

Below are the steps performed to create Private Repository. 1. Open chrome and create a new account in GIT with your university email and create a private repository. 2. Share private repository with your instructor.

Generated SSH key and added in github.

```
Jan 14 12:37
                             administrator@mwph-vm: ~/waph-jaindy
                                                                     Q ≡
administrator@mwph-vm:~$ sudo apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb
  git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 13 not upgraded.
Need to get 4,147 kB of archives.
After this operation, 21.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.1
7029-1 [26.5 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1
```

Figure 4: GitInstall

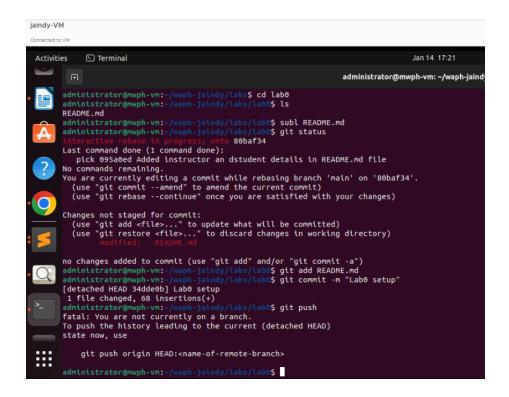


Figure 5: Modify Readme

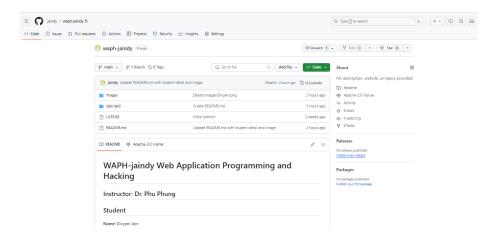


Figure 6: Update Readme

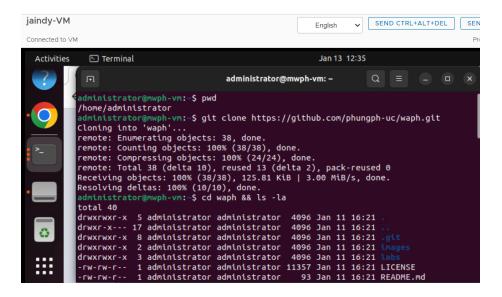


Figure 7: Gitclone

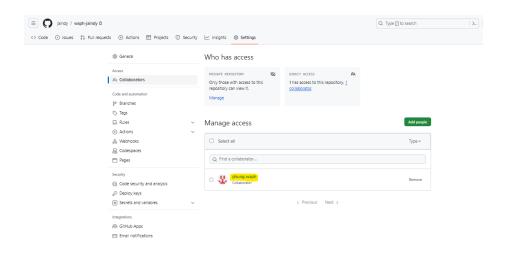


Figure 8: PrivateRepository

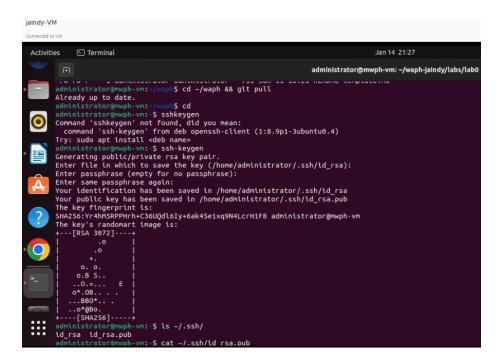


Figure 9: SShKey

Figure 10: SSH key generate

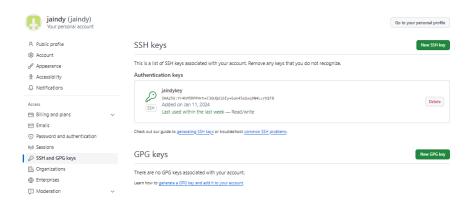


Figure 11: add ssh key

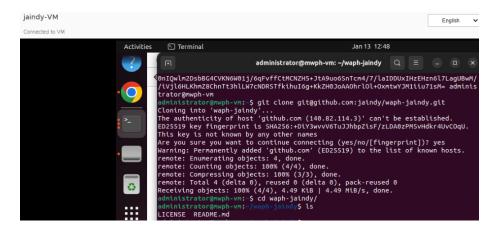


Figure 12: Private Repository

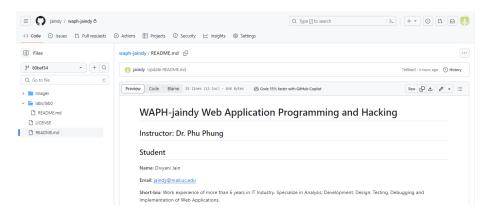


Figure 13: Update Readme



Figure 14: Update Readme