waph-atmakugh

WAPH-Web Application Programming and Hacking

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Student

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Short-bio: A masters student with communication,organizational, and technical skills seeking opportunities. A hand-working and motivated engineering student with authentic skills in user application development and design thinking,dedicated to levaraging my abilities as a capable and diligent student

Repository Information

Respository's URL: https://github.com/ATMAKURIGANESH3009/waph-atmakugh.git

This is a private repository for Atmakuri Ganesh 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

LAB 0

Part 1 - Ubuntu Virtual Machine & Software Installation

- Open Sandbox with UC credentials
- Search for the VM *web app programming* in the catalog
- Click on Request
- Enter the computer name
- Click on Submit
- After Processing, we can see the deployed VM in deployments tab
- Click on Web app programming VM and then click on settings symbol which is present after the computer name
- Click on connect to remote console to open the VM
- Login with Administration password
- After opening the ubuntu VM, search for the terminal to open
- We need to install the net-tools. In order to install that enter the command *sudo apt install net-tools*
- Type the command ifconfig to view
- Next we need to install apache web server using the command *sudo apt install apache2*
- After we need to install git using *sudo apt install git*
- Install sublime text using *sudo snap install sublime-text –classic*
- Next, a pandoc application need to be installed to convert markdown files into pdf using the command *sudo apt install pandoc*
- Pandoc requires few installations to render pdf files. We need to install them by using the commands
    - sudo apt-get install texlive-latex-base
    - sudo apt-get install texlive-fonts-recommended
    - sudo apt-get install texlive-latex-extra
    - sudo apt-get install texlive-fonts-extra
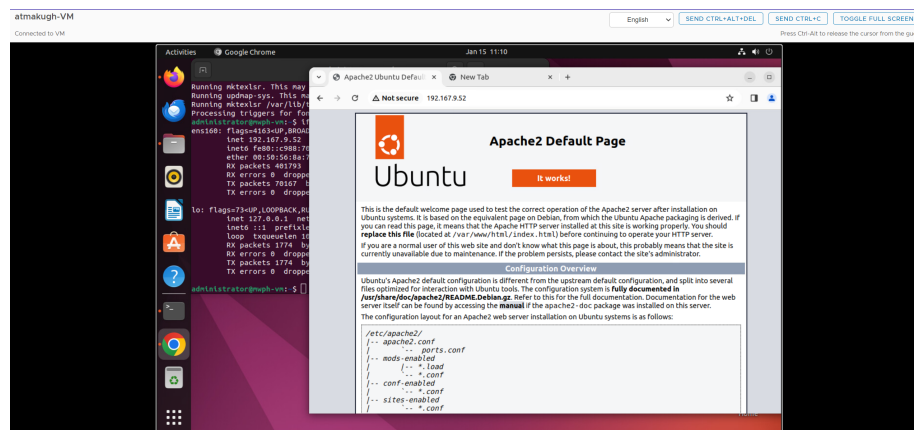- Now all the required softwares are installed properly

Apache web server Testing

Figure 1: ss1

Part 2 - git repositories and excercises
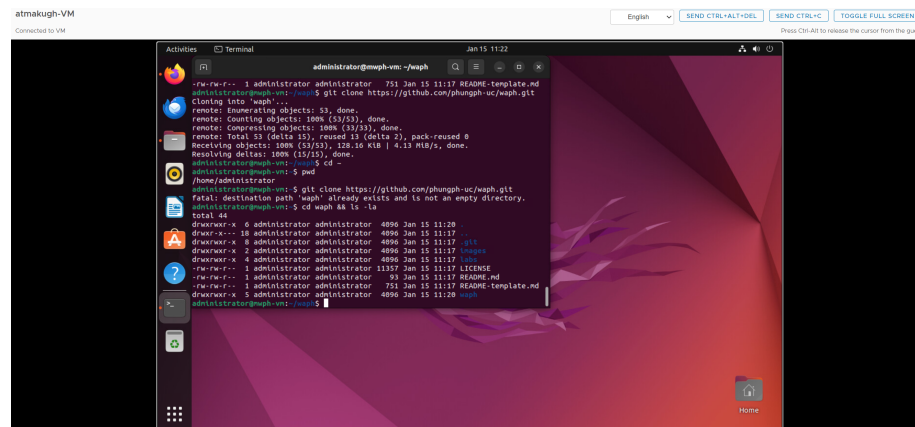
The Course repository

Figure 2: ss2

Private Repository

- To creat a new private repository on gitbub, first we need to sign in with our credentials
- Click on profile icon on right side
- Click on your repositories
- Click on new
- Give the Repository name
- Select private
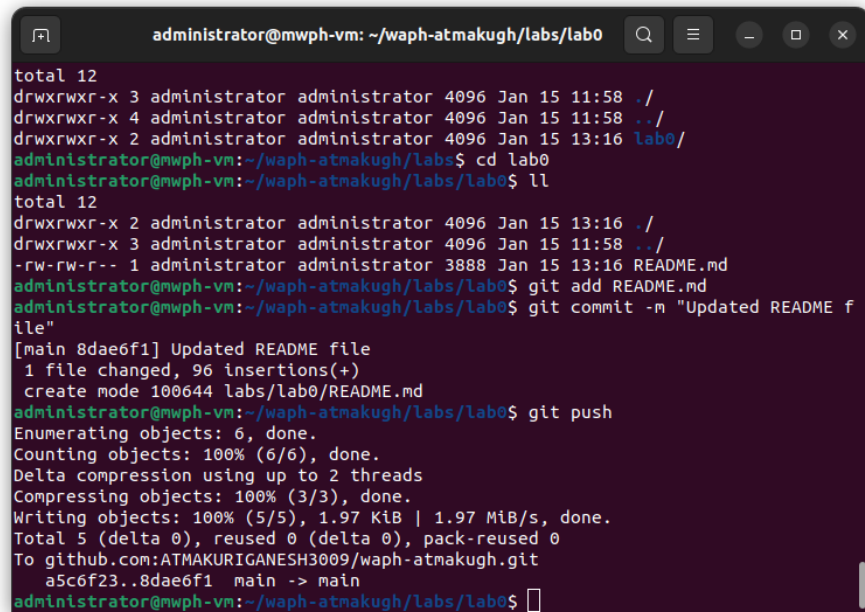- Click on create repository

Repository URL: https://github.com/ATMAKURIGANESH3009/waph-atmakugh.git

Generating and setting up ssh keys

- Type the command ssh-keygen
- Leave the blank and click enter when it asked for passphrase
- To view the file use ls ~/.ssh/
- It will list out the two files
- Use the command cat ~/.ssh/id_rsa.pub to open the file and copy the key
- Now open the github in the browser and then click on settings
- Select SSH and GPG keys
- Click on New SSH key
- Give the title and paste the key over there
- After pasting, click on add SSH key
- Now we all set to clone private repository in our local machine

- To clone the repository use the command *git clone git@github.com:ATMAKURIGANESH3009/waph-atmakugh.git*
- Now the repository is cloned into our system
- Next create a folder named labs
- Inside labs, create a subfolder lab0
- Use the template provided to establish the report for lab0

Screenshot showing commiting the changes in VM

Figure 3: ss3