

waph-kanamala

WAPH-Web Application Programming and Hacking

Instructor: Dr. Phu Phung

Student

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Short-bio: I am having interest towards data science and web development.



Figure 1: Lakshmi Narayana headshot

Repository Information

Repository's URL: <https://github.com/LakshmiNarayanaKanamarlapudi/waph-kanamala.git>

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

Labs

Hands-on exercises in lectures

- <https://github.com/LakshmiNarayanaKanamarlapudi/waph-kanamala/tree/main/labs/lab0>: Development Environment Setup

Lab 0

Part 1 Ubuntu Virtual Machine & Software Installation

- Open the sandbox environment using the specified link.
- Then login using the university credential.
- After that look the web app programming and hacking in the catalog
- Now request for the machine installation using request button and for the machine name we need to give the uc6+2-VM and submit the request. Then wait for the machine to be installed.
- After the installation process was completed check the ubuntu machine in the deployments section.

- Finally we have our ubuntu machine was deployed and ready to use.
- Now click on the machine in deployments and select the machine with our username and drag drop down.
- From the dropdown click on connect to the remote console.
- Then give the username as administrator and password as Pa\$\$w0rd. Now we will be logged into the virtual Machine.
- Now open the terminal and install the net tools using the following command “sudo apt install net-tools”.
- Then get the ip address of the machine using “ifconfig” command.
- Now install the apache webserver, Git and sublime text using the following commands “sudo apt install apache2”, “sudo apt install git”, “sudo snap install sublime-text --classic”.

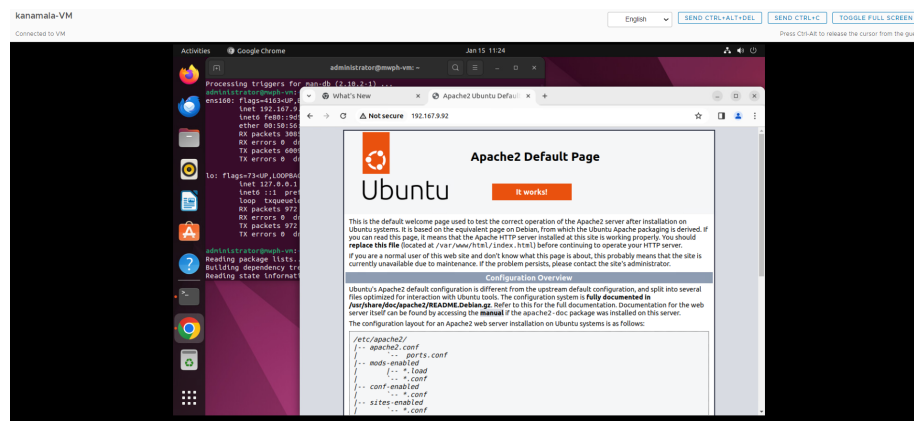


Figure 2: Apache Web Server Testing

Part 2 Git Repositories and Exercises

- The course repository
- Private Repository
- One done with creating a github account.
- Create a private repository with the following naming convention is waphuc(6+2).
- For that first open the github and login to your account.
- Then click on profile and navigate to the repositories and then create the private repository.
- And then from the collaborators section we need to add the professor to our repository.
- Private repository url : ([https://github.com/LakshmiNarayanaKanamarlappudi/waphuc\(6+2\)](https://github.com/LakshmiNarayanaKanamarlappudi/waphuc(6+2)))
- Then we need to generate the ssh key using the “ssh-keygen” command
- We need to go the ssh key location and copy the key.
- Now open the github click the profile icon and select the settings

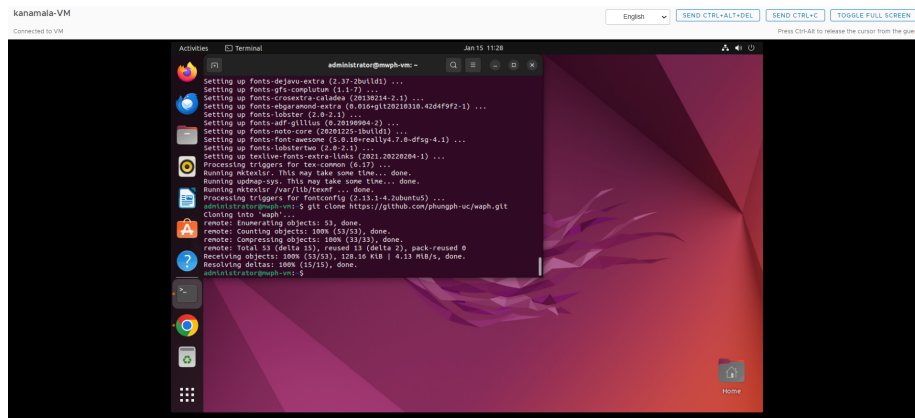
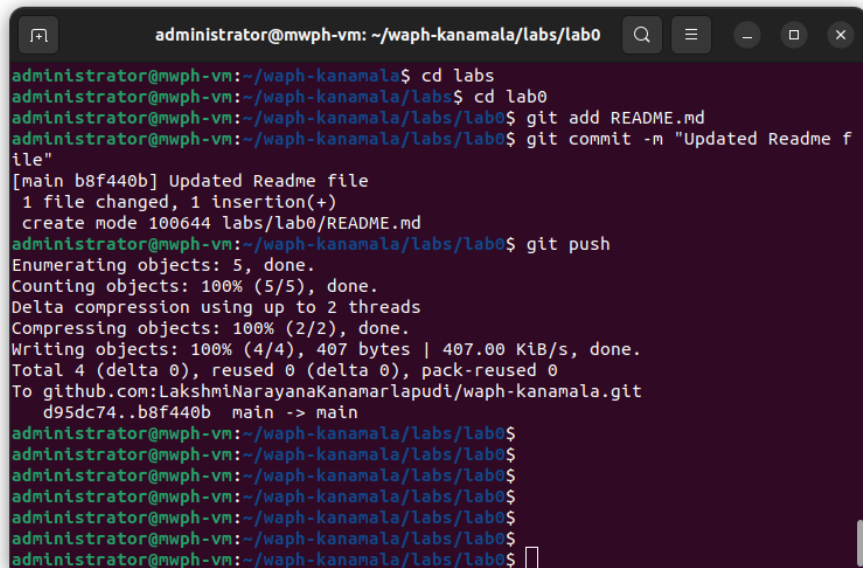


Figure 3: Course Repository

- Then select SSH and GPG keys and add the new ssh key by pasting the key copied from vm.
- Now we need to clone our repository into our VM using the following command “git clone git@github.com:LakshmiNarayanaKanamarlappudi/waph-kanamala.git”.
- Finally i have used the template in the course repository and edit the readme file in my repository.

Screenshot of Changes from VM to Repository



```
administrator@mwph-vm: ~/waph-kanamala/labs/lab0
administrator@mwph-vm:~/waph-kanamala$ cd labs
administrator@mwph-vm:~/waph-kanamala/labs$ cd lab0
administrator@mwph-vm:~/waph-kanamala/labs/lab0$ git add README.md
administrator@mwph-vm:~/waph-kanamala/labs/lab0$ git commit -m "Updated Readme file"
[main b8f440b] Updated Readme file
 1 file changed, 1 insertion(+)
 create mode 100644 labs/lab0/README.md
administrator@mwph-vm:~/waph-kanamala/labs/lab0$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 407 bytes | 407.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:LakshmiNarayanaKanamarlapudi/waph-kanamala.git
 d95dc74..b8f440b  main -> main
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
administrator@mwph-vm:~/waph-kanamala/labs/lab0$
```

Figure 4: Changes from VM to repository!