Lab 3 - Metasploitable VM and Familiarity with Kali Seneca | school of information and communications technology

Linux

NAME – Student ID	COURSE CODE	WEIGHT
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Homework Objectives

Upon completion of this homework, you will be able to perform the following:

- Download and import Metasploitable2 Virtual Machine (VM);
- Kali Linux commands;

Lab Instructions

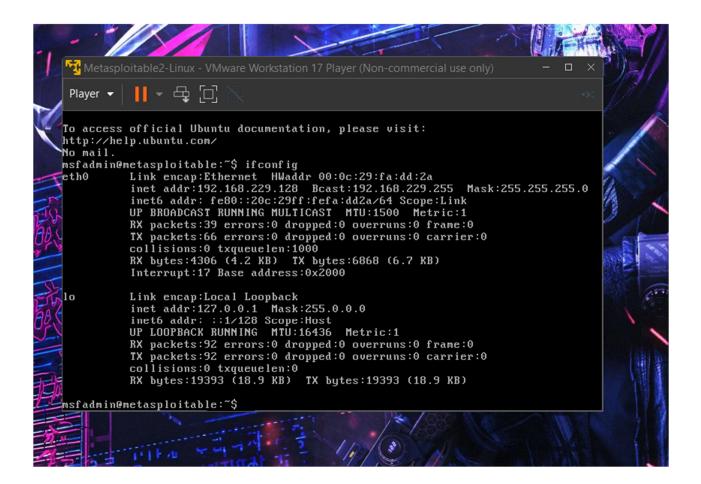
- Install Metasploitable VM;
- Enter your name and student ID above (Example: Michael Smith 3683xxxx);
- Answer questions and add screenshots into the corresponding questions;
- Save the file on your computer for future reference;
- Save this file again as a ".pdf" file;
- Submit the PDF file with <yourname> <student ID> Lab 3 for grading.

Install Metasploitable VM as per the instruction is Part 1. No need to attach anything here for Part 1.

Moving on to Part 2

1- After logging in, type the following command and attach the screenshot here:

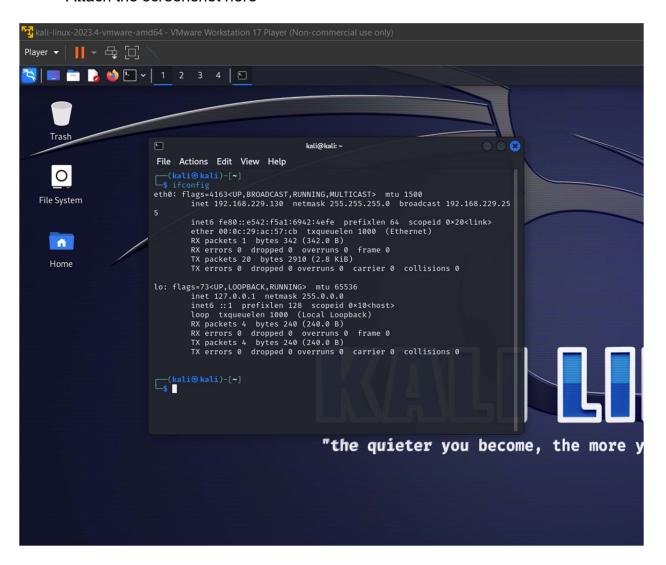
Ifconfig



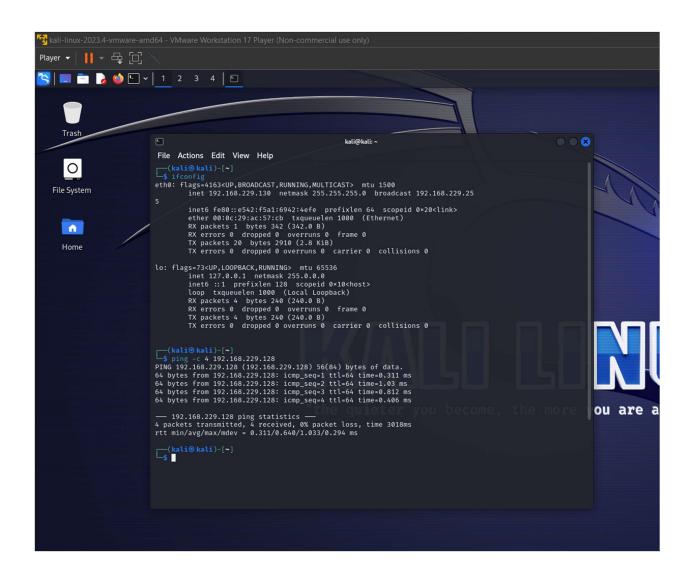
2- As per indicate in step#6 (in part 2) open Terminal Emulator and type the following command, when prompted type the root password – kali.

ifconfig

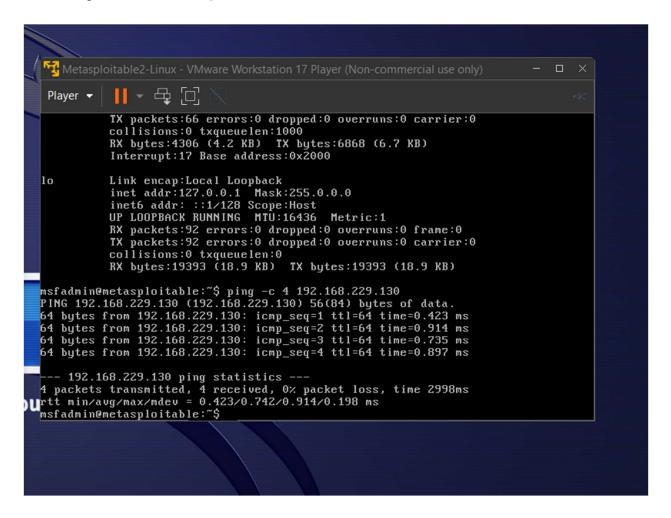
Attach the screenshot here



3- Ping Metasploitable from Kali and attach the screenshot below:

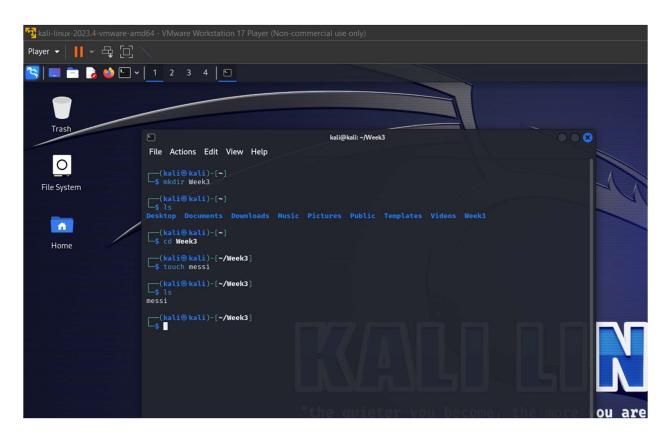


4- Ping Kali from Metasploitable and attach the screenshot below:



5- On your Kali Linux machine

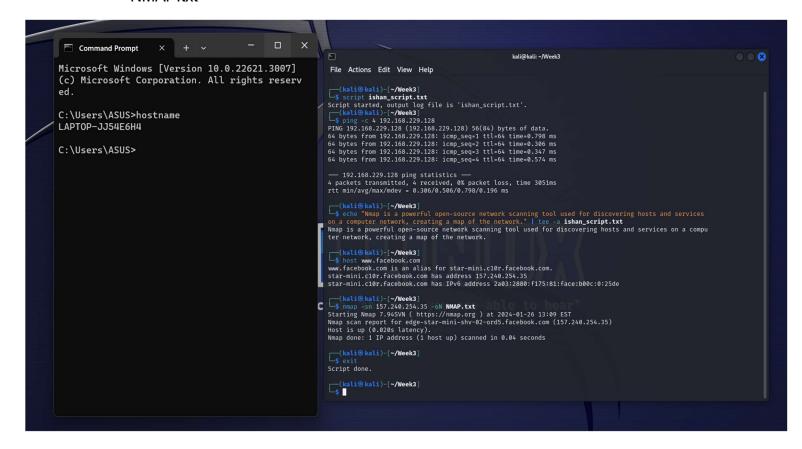
- a. Create a new directory called "Week_3"
- b. Create a new file using "touch". (take screenshot and attach here)



6- What is NMAP?

Nmap is used to scan the network. Basically, we can analyze the packets captured by Nmap and get more information. All the security professionals and experts use Nmap. Using different types of scans, we can get much more information like device discovery, Ip addresses, open ports, services & applications, version detection, etc.

7- Run NMAP (Ping scan) – Google for "Nmap ping scan" and output the result to "NMAP.txt"



Answer the following questions:

a. What is the ping command in Unix?

Ping command is simply used to test the other host's network reachability.

b. What is the ping command on Windows?

Ping works same for windows as well, as it works for unix.

c. Show the command used to ping 5 times in Unix

ping -c 5 <IP Address>

d. Show the command used to show IP address in Unix

ifconfig

Submit your Lab



- Doublecheck all your answers.
- Save the file on your computer for future reference.
 Save the file again as a ".pdf" file.

 - Submit the PDF file for grading.