Homework Extra - Exploiting Samba, CVE20072447: Remote Command

- This is an optional assignment that provides an extra credit of 10 points.
- The due date is Thursday, October 21, 2:30 (Sec 01) / 5:30 (Sec 76).
- Please zoom in on the outcomes.
- Follow the naming convention.
- You should not run Metasploit against a live system.
- YOU ARE NOT ALLOWED TO DO THIS DURING THE CLASS. IT'S ILLEGAL!!

Preparation

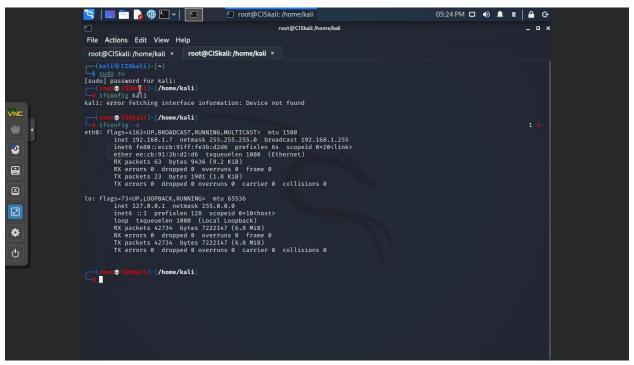
- Please watch the following video to learn about Metasploit.
 - Metasploit for Beginners Modules, Exploits, Payloads And Shells: https://www.youtube.com/watch?v=TieUDcbk-bg&ab_channel=LoiLiangYang

How to use Metasploit

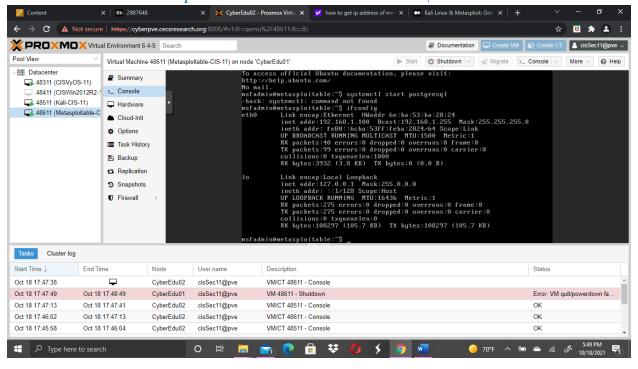
- First, you need to start the databases service to store all the results. Use this command: systemctl start postgresql.
- Second, if you're running Metasploit for the first time, you need to create a database schema. Use this command: <u>msfdb init</u>.
- Next, you start the Metasploit by running this command: <u>msfconsole</u>.

Task 1. (2 points)

1) Get the IP address of Kali. Provide a screenshot for it.



2) Get the IP address of Metasploitable. Provide a screenshot for it. \



Task 2. (1 point)

1) Explain Samba and the vulnerability associated with CVE 2007-2447.

Samba allows remote hackers to execute commands via shell metacharacters to attack the system.

Task 3 (7 points).

- Refer to the attached file for the instructions: MP_L3_Exploiting Samba, CVE-2007-2447_ Remote Command Injection.pdf. Start from p. 19.
- When you select **exploit** and **payload**, you can select the <u>number</u> on the left side instead of the full directory.
- Perform the tasks listed on p. 19 25. On p.25, perform the tasks 1-4 and stop. Take a screenshot after completing the four tasks on that page.

