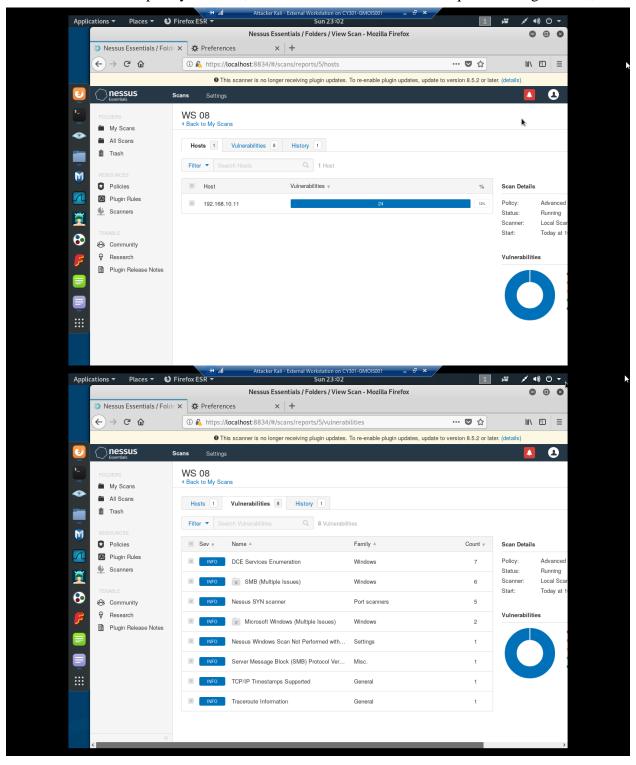
OLD DOMINION UNIVERSITY CYSE 301 CYBERSECURITY TECHNIQUES AND OPERATIONS

Assignment #4 - Ethical Hacking

Garrett Moison 11/20/2022

TASK A – SELECT YOUR EXPLOITS

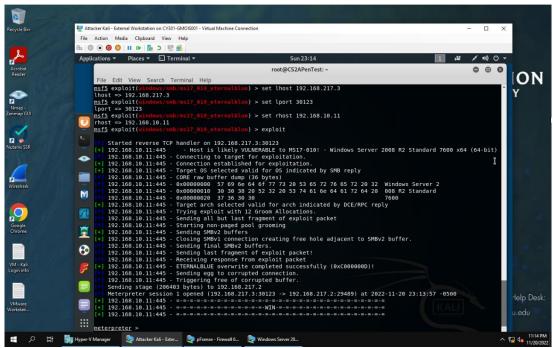
- 1. Use Nessus to find all **FIVE** critical security issues in the target Windows Server 2008
- 2. Search for an exploit that targets a security issue **other than** MS17-010
- 3. Discuss the exploit you select, such as how it works and the required configurations, etc



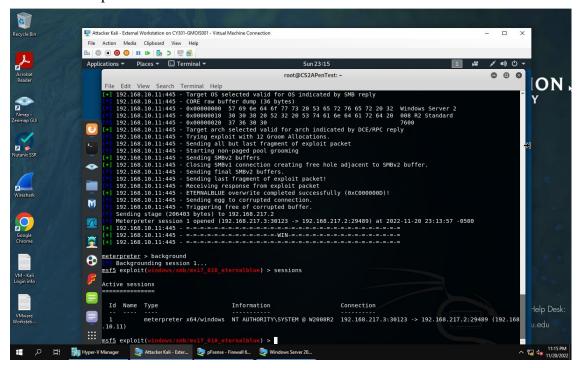
TASK B – MS17_010_ETERNALBLUE

Use **m17_010_eternalblue** and reverse_tcp as the exploit and payload to launch the attack. You need to use the following configuration for the reverse shell

1. Listening Port: Use **30123** as the listening port number



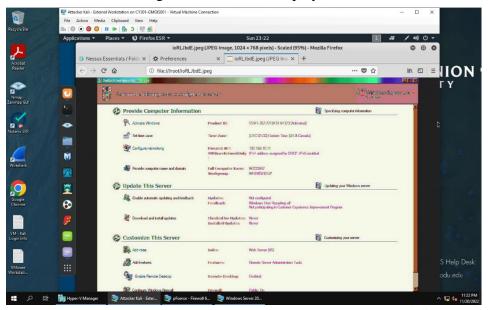
2. Background your meterpreter session. Then display the list of your active session(s) with connection peers



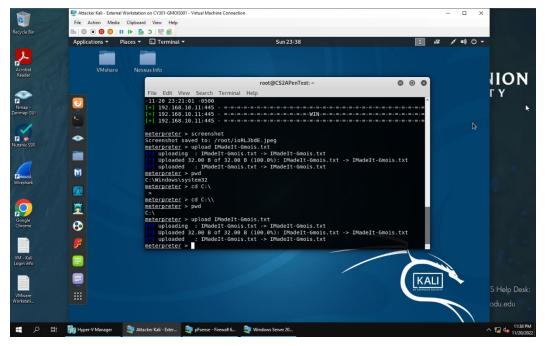
TASK C – BASIC INFORMATION HARVESTING

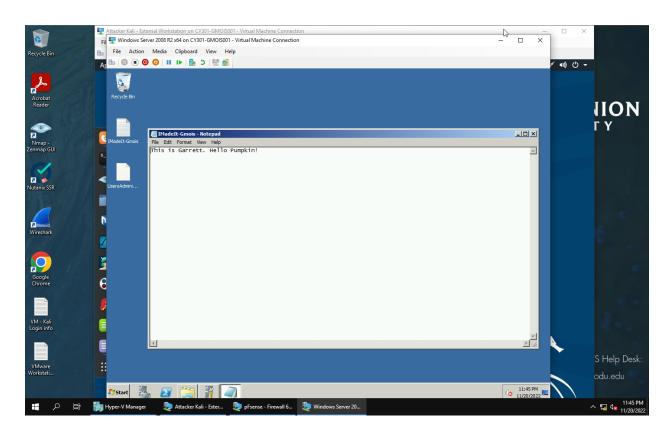
Once you have established the reverse shell connection to the target Windows Server 2008, complete the following tasks in your **meterpreter shell**:

1. Take a screenshot of the target machine, then display it

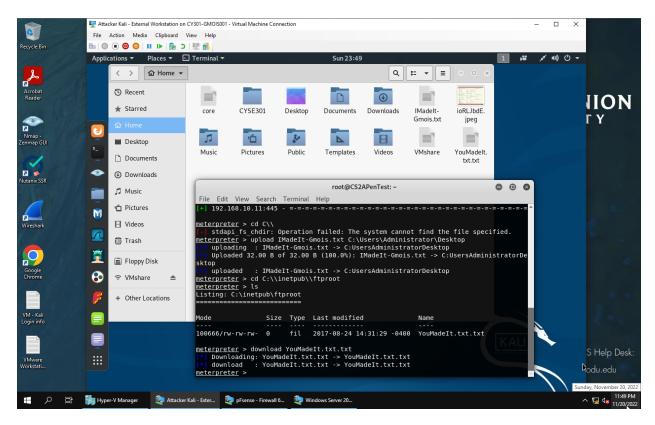


2. Create a text file on the External Kali named "IMadeIT-YourMIDAS.txt" (replace YourMIDAS with your university MIDAS ID) and put "This is XXX, hello pumpkin!" in the file. Then, upload this file to the target's desktop (Windows Server 2008). Then log in to Windows Server 2008 and check if the file exists. You need to show me the command that uploads the file.

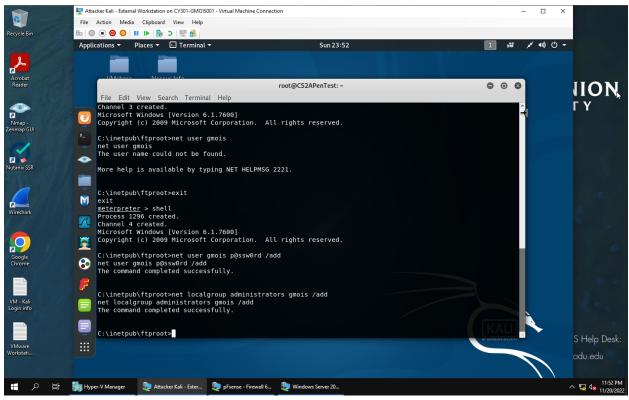




3. Steal (download) the file "YouMadeIt.txt" from "C:/inetpub/ftproot/"



4. Access the Windows Command Prompt via the meterpreter shell, then create a malicious user, <u>YourMIDAS</u>, with admin privilege in the **Windows Server 2008**. Please replace <u>XXX</u> with your MIDAS ID



5. Remote access to the malicious account created in the previous step and browse the files belonging to the other users in the RDP

