Lab experiment - Working with the memory vulnerabilities – Part II

## Task

- Download Vulln.zip from teams.
- Deploy a virtual windows 7 instance and copy the Vulln.zip into it.
- Unzip the zip file. You will find two files named exploit.py and Vuln\_Program\_Stream.exe
- Download and install python 2.7.\* or 3.5.\*
- Run the exploit script II (exploit2.py- check today's folder) to generate the payload.
  - o Replace the shellcode in the exploit2.py
- Install Vuln\_Program\_Stream.exe and Run the same

## **Analysis**

- Try to crash the Vuln\_Program\_Stream program and exploit it.
- Change the default trigger from cmd.exe to calc.exe (Use msfvenom in Kali linux).

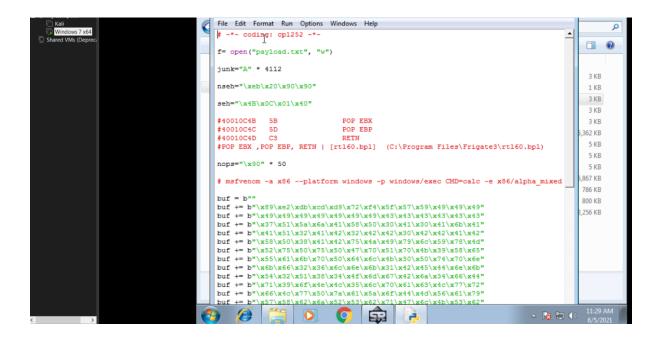
**Example:** 

msfvenom -a x86 --platform windows -p windows/exec CMD=calc -e x86/alpha\_mixed -b "\x00\x14\x09\x0a\x0d" -f python

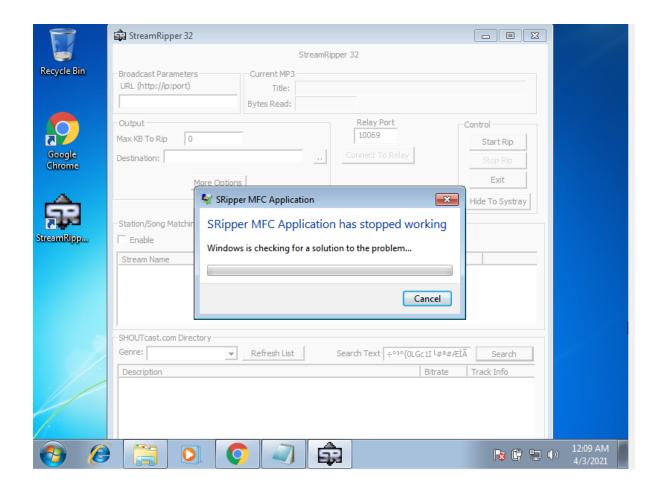
• Change the default trigger to open control panel.

Sol:

## <u>Crashing the Vuln\_Program\_Stream program and exploiting it.</u>







Change the default trigger from cmd.exe to calc.exe (Use msfvenom in Kali linux).

## After replacing the shellcode in exploit2.py with the output of the above statement:-

