# **SECURE CODING LAB-9** 12-04-2021

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**Lab experiment - Working with the memory vulnerabilities – Part III** 

## **QUESTION**

## 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) to generate the payload
- Install Vuln\_Program\_Stream.exe and Run the same

## **Analysis**

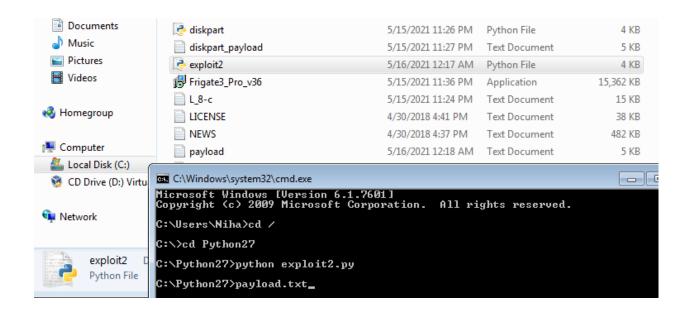
• Crash the <u>Vuln Program Stream</u> program and try to erase the <u>hdd</u>.

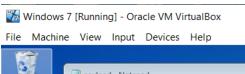
#### **OUTPUT**

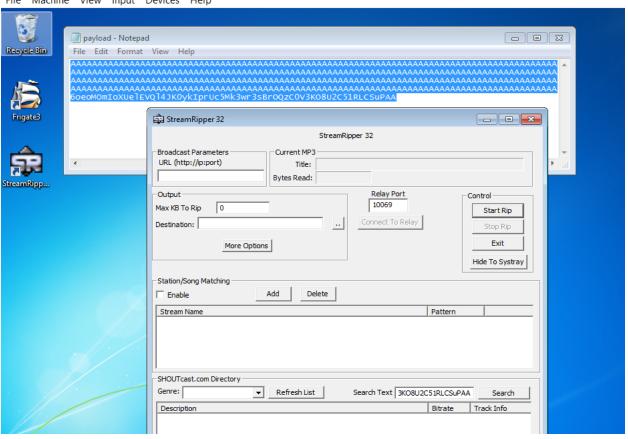
## Steps:

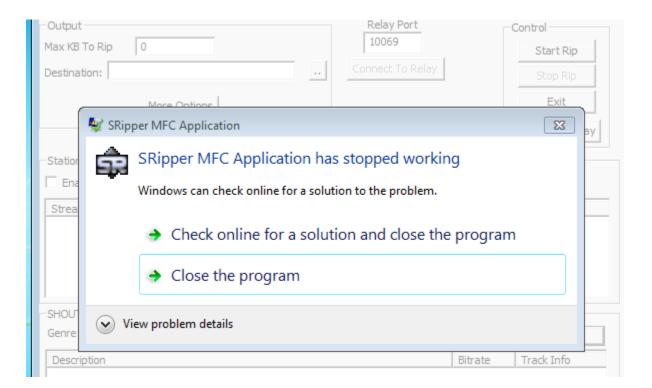
• Open vuln\_program\_stream.exe and copy the payload on any user interaction to know the application is vulnerable or not.

- Here the search box and add button in Station/Song Matching are vulnerable. Now paste the payload.
- We can see that the application crashed (close application notification).

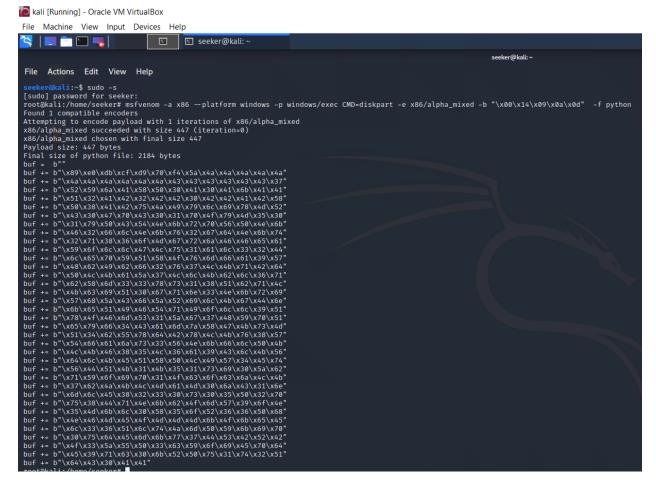




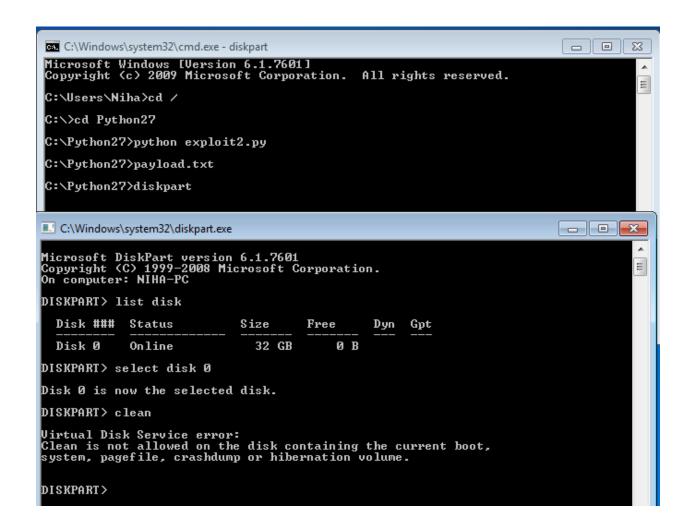




To get shell code of diskpart



Trying to erase HDD



As we can see we are getting an error message because the disk we are trying to erase is a boot disk.