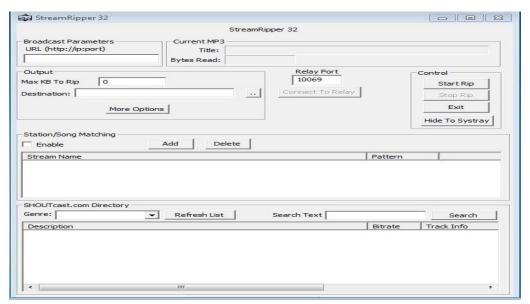
Secure Coding Lab-7

Lalitha Dandibhotla 18BCN7025

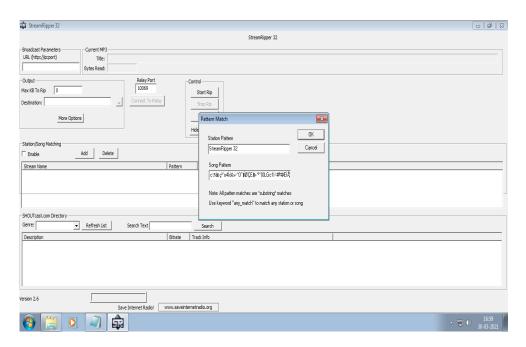
Lab experiment - Working with the memory vulnerabilities

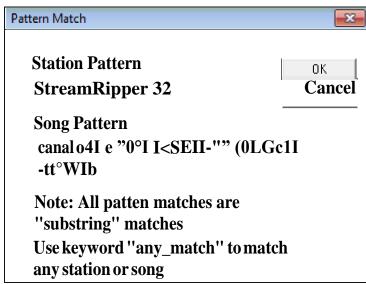
1) Crashing the StreamRipper32



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

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





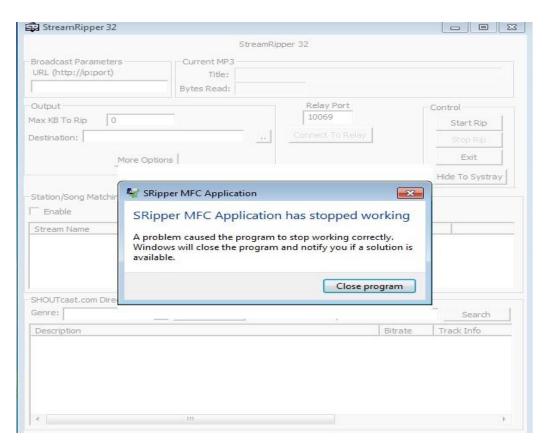
StreamRipper 32			
	StreamR	ipper 32	
roadcast Parameters JRL (http://ip:port)	Current MP3 Title: Bytes Read:		
output ax KB To Rip 0 estination:		Relay Port 10069 Connect To Relay	Control Start Rip Stop Rip
More	Options		Exit
		3.0	Hide To Systray
Stream Name	Ripper MFC Applicatio		ng
Stream Name W			
Stream Name		tion to the problem	
Stream Name W		tion to the problem	Search
Stream Name W HOUTcast.com Dire		tion to the problem Cance	Search

Here is the Exploit used above. Exploit

:

—qÛO¼U‡ÝÌmúâΣFEã°últ7¶l@Å^½úAÓ6%—m'ëŽâ(Ú²9™cY¹&¶Îé^î¯YiÚG³fw¼¬.G''KT6yŽZ9Á¼S%NÌÜËãm

ÆŽ®³åo`[fc«ÞÙ°′ôu^&"...)[Ò~E¶'"ÿ¤n@Çlµ±Æm8 ì},,©)XYg‡3ÉqÉ èfŒÂc'â‹ ç³′ o4Íó»°0^ŒÍØÇEl...÷°³°{0LGc1I#³#ÆÌ Ã



As we can see, it's crashed.

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.