Buffer Overflow and Shell Code Injection in StreamRipper32 and Frigate

# VULNERABILITY REPORT

FRIDAY, JUNE 11, 2021





### **MODIFICATIONS HISTORY**

Version	Date	Author	Description
1.0	06/11/2021	Nishit Verma	Initial Version



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## **GENERAL INFORMATION**

#### **S**COPE

VIT-AP has mandated us to perform security tests on the following scope:

- StreamRipper32
- Frigate

#### **ORGANISATION**

The testing activities were performed between 04/05/2021 and 04/21/2021.



# **EXECUTIVE SUMMARY**



## **V**ULNERABILITIES SUMMARY

Following vulnerabilities have been discovered:

Risk	ID	Vulnerability	Affected Scope
High	IDX-002	Shell Code Injection	Frigate
Medium	VULN-001	Buffer Overflow	StreamRipper 32 and Frigate

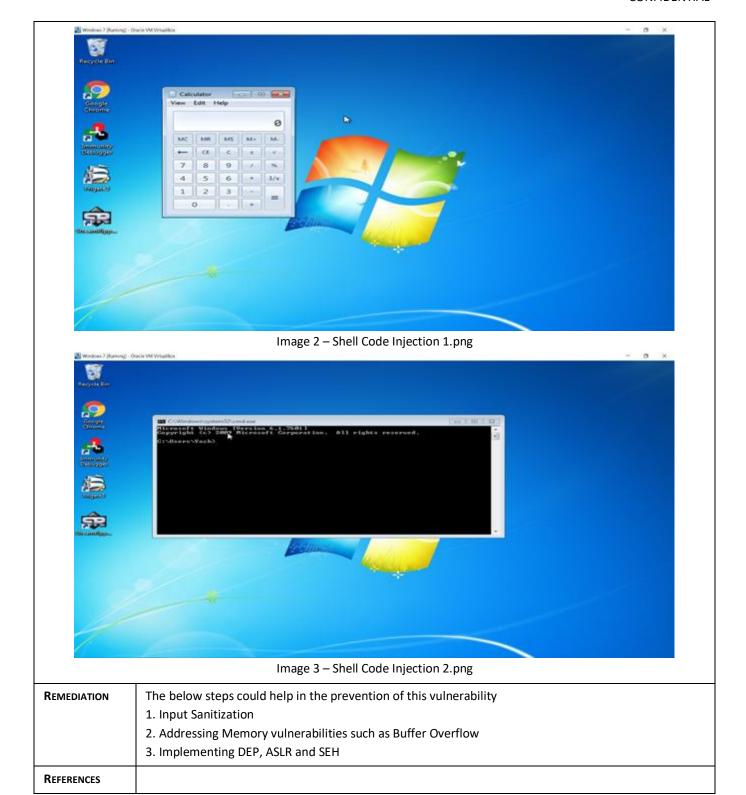


# TECHNICAL DETAILS

### SHELL CODE INJECTION

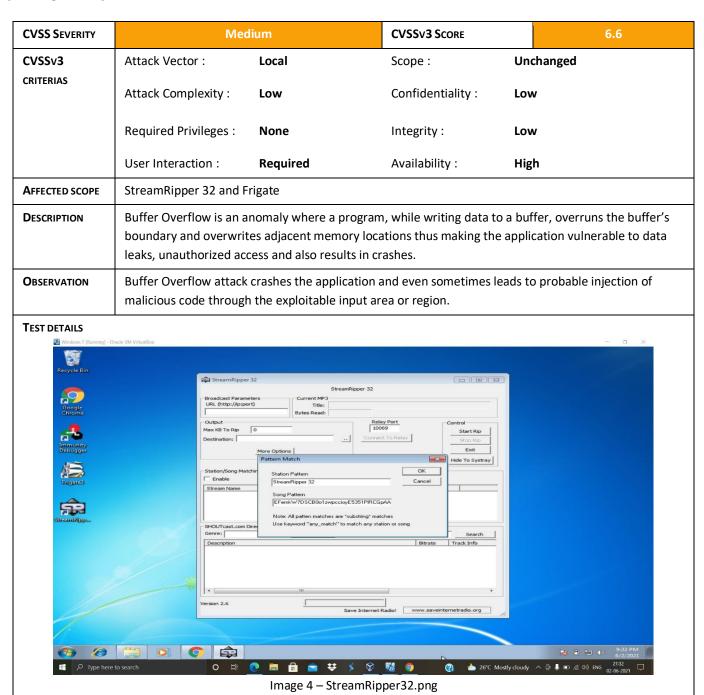
CVSS SEVERITY	Hi	igh	CVSSv3 Score	8.0
CVSSv3	Attack Vector :	Network	Scope :	Changed
CRITERIAS	Attack Complexity :	High	Confidentiality :	High
	Required Privileges :	Low	Integrity:	High
	User Interaction :	Required	Availability:	High
AFFECTED SCOPE	Frigate			
DESCRIPTION	infiltrates into the vuln	nerable programs and ecute any kind of cod	makes it execute their o	s vulnerable programs. The hacker own malicious codes. The hacker d thus leading to many major issu are attacks.
	+			
	-	any harmful unwante	ed activities such as data	gh a vulnerable user interaction loss or leak, ransomware attacks,
TEST DETAILS  Windows 7 [furning] - 0  File Command	field thus leading to maprivilege escalation and	any harmful unwante d even system take o	ed activities such as data ver.	loss or leak, ransomware attacks,
FEST DETAILS  Windows ? (Furning) - 0  Frigate 3.36  File Command  New - (A) Vi	field thus leading to ma privilege escalation and privilege escalation	any harmful unwante d even system take o	ed activities such as data ver.	loss or leak, ransomware attacks
TEST DETAILS  Windows 7 Purson() - 0  File Command  New - () Vi	field thus leading to ma privilege escalation and privilege escalation	any harmful unwante d even system take o	ed activities such as data ver.	loss or leak, ransomware attacks,
TEST DETAILS  Wedness 2 Humang - 0  Friegets 3.8  File Command  New - () Vi  The Manager ()  Cit Program File  Addons  Data  Halp  Fluggins	field thus leading to ma privilege escalation and privilege escalation	any harmful unwanted even system take o	ed activities such as data ver.	loss or leak, ransomware attacks,
TEST DETAILS  Windows ? Nurseas Command  File Command  New - Will  If the Manager Le  Cri Program Files  K - Le  Addons  Data Healp  Frigates  glunnacoto cabinet derawlib elpeckbe Frigates Frigates  Frigates  Frigates	field thus leading to ma privilege escalation and privilege escalation	any harmful unwanted even system take o	ed activities such as data ver.  ** Select + ** Favorites + ** Search  ** C1Program Files (x00), Frigate(),  ** Addione ** Data ** Help ** Plugins ** exe **	loss or leak, ransomware attacks,
TEST DETAILS  Windows / Numming of Figure 1.36  File Command  New - W V  File c a  The Manager of Ct. Program Files  K -	field thus leading to ma privilege escalation and privilege escalation	any harmful unwanted deven system take o	cd activities such as data ver.  C1Program Files (x000) Frigate(3)  Addons  Plugins  C1 Plugins  C1 Plugins  C1 Plugins  C2 C2 C3 C4 C4 C4 C5 C4 C5 C4 C5 C4 C5 C4 C5 C5 C4 C5 C5 C6 C6 C6 C6 C7	loss or leak, ransomware attacks
File Command  New - [1] Vi  File Command  New - [2] Vi  File Command  New - [3] Vi  File Command  Called Command  Called Command  Called Command  Addons  Data  Help  Flugates  Gravib  elpack6  Frigates  Frigates  license  ride  Frigate  Frigates  1icense  ride  wanadev  unanecoo  unrarz	field thus leading to ma privilege escalation and privilege escalation	any harmful unwanted deven system take o	cd activities such as data ver.  CSProgram Files (x000)AFrigate(3).  Addoone Plangins October Plangins October Plangins October Plangins October Octob	loss or leak, ransomware attacks,



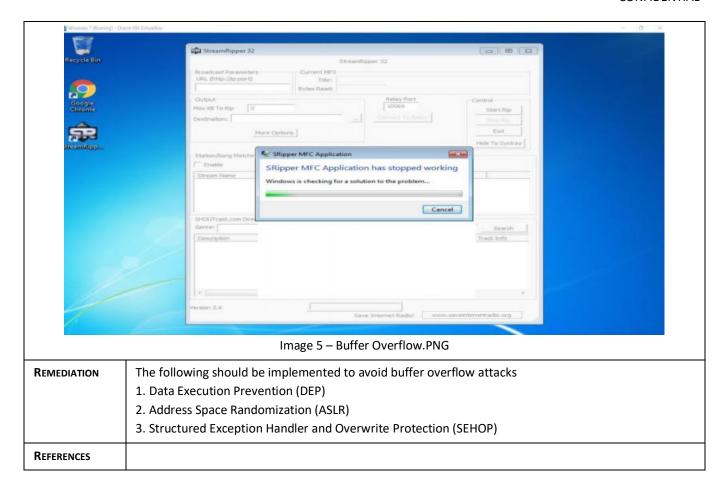




#### **BUFFER OVERFLOW**









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