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

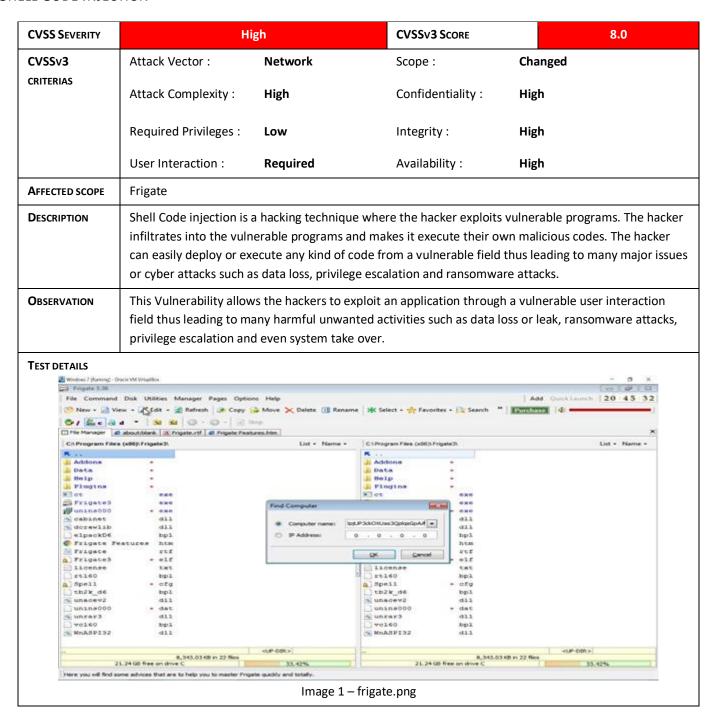
Following vulnerabilities have been discovered:

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

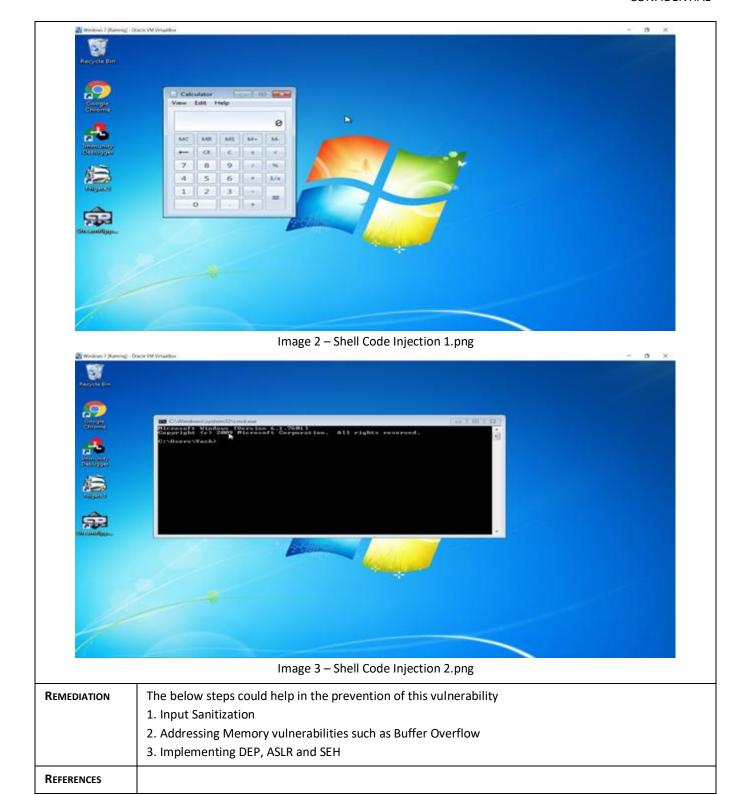


### **TECHNICAL DETAILS**

#### SHELL CODE INJECTION









### **BUFFER OVERFLOW**

CVSS SEVERITY	Medium		CVSSv3 Score	6.6		
CVSSv3	Attack Vector :	Local	Scope :	Unchanged		
CRITERIAS	Attack Complexity :	Low	Confidentiality :	Low		
	Required Privileges :	None	Integrity:	Low		
	User Interaction :	Required	Availability :	High		
AFFECTED SCOPE						
DESCRIPTION	StreamRipper32 and Frigate					
OBSERVATION	Buffer Overflow attack crashes the application and even sometimes leads to probable injection of malicious code through the exploitable input area or region.					

#### **TEST DETAILS**

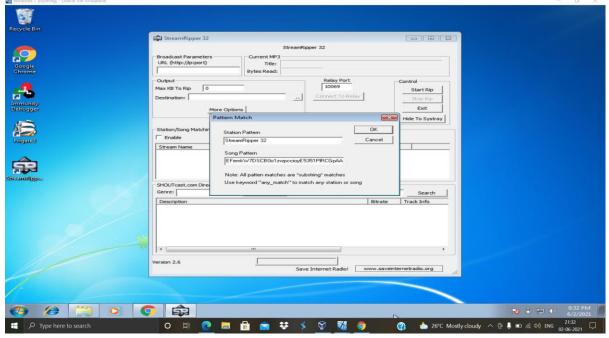
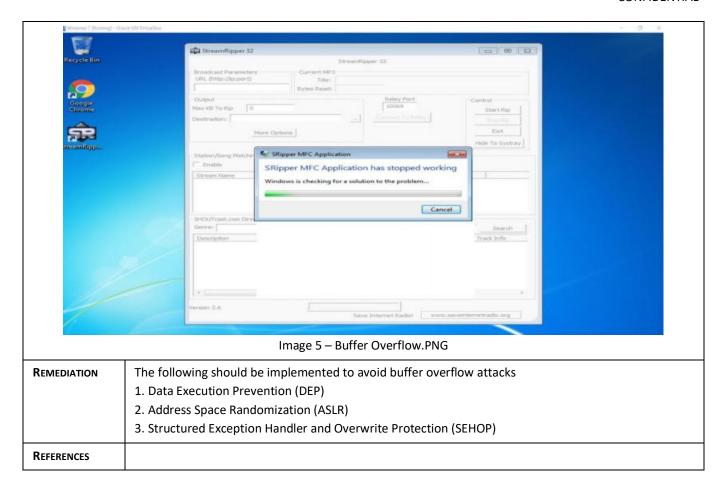


Image 4 – StreamRipper32.png







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