LAB - 12

VULNERABILITY REPORT

SUNDAY, JUNE 06, 2021

MODIFICATIONS HISTORY

Version	Date	Author	Description
1.0	06/06/2021	CH KARTHIKEYA VARMA	Initial Version

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GENERAL INFORMATION

SCOPE

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

- This is for secure coding lab

ORGANISATION

The testing activities were performed between 06/05/2021 and 06/05/2021.

EXECUTIVE SUMMARY

VULNERABILITIES SUMMARY

Following vulnerabilities have been discovered:

Risk	ID	Vulnerability	Affected Scope
High	IDX-002	DDOS	
High	IDX-001	Buffer overflow	
Medium	VULN-003	Ransomware	

TECHNICAL DETAILS

DDOS

CVSS SEVERITY	High		CVSSv3 SCORE		8.3
CVSSv3 CRITERIAS	Attack Vector : **Network** Attack Complexity : **High** Required Privileges : **None** User Interaction : **Required**		Scope : **Changed** Confidentiality : **High** Integrity : **High** Availability : **High**		
AFFECTED SCOPE					
DESCRIPTION	This is used to crash a website using multiple pinging				
OBSERVATION					
TEST DETAILS					
REMEDIATION					
REFERENCES					

Buffer overflow

CVSS Severity	High		CVSSv3 Score		7.6
CVSSv3 CRITERIAS	Attack Vector :	**Network**	Scope :		**Changed**
	Attack Complexity :	**High**	Confidentiality :		**High**
	Required Privileges :	**High**	Integrity :		**High**
	User Interaction :	**Required**	Availability :		**High**
AFFECTED SCOPE					
DESCRIPTION	This is a code level error normally made by humans due to the type casting errors. It lead to the crash of rocket ariane - 5.				
OBSERVATION	This is done using steam ripper				
TEST DETAILS					
REMEDIATION					
REFERENCES					

Ransomware

CVSS Severity	Medium		CVSSv3 Score		6.2
CVSSv3 CRITERIAS	Attack Vector :	**Physical**	Scope :	**Unchanged**	
	Attack Complexity :	**High**	Confidentiality :	**High**	
	Required Privileges :	**Low**	Integrity :	**High**	
	User Interaction :	**Required**	Availability :	**High**	
AFFECTED SCOPE					
DESCRIPTION	This is used to infect the naive windows to get the ransom.				
OBSERVATION					
TEST DETAILS					
REMEDIATION					
REFERENCES					