

tbeu matio mat.c Mat_VarPrint heap-based overflow

MITRE

NVD

CVE.ORG

JSON API

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Summary	
CVE	CVE-2025-2337
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-03-16 10:15:25 UTC
Updated	2026-04-29 01:00:01 UTC
Description	A vulnerability, which was classified as critical, has been found in tbeu matio 1.5.28. This issue affects the function Mat_Var

Risk And Classification					
Primary CVSS: v4.0 2.1 LOW from cna@vulldb.com					
CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X					
Problem Types: CWE-119 CWE-122 CWE-122 Heap-based Buffer Overflow CWE-119 Memory Corruption					
Version	Source	Type	Score	Severity	Vector
4.0	cna@vulldb.com	Secondary	2.1	LOW	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/C...
4.0	CNA	DECLARED	5.3	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P
3.1	nvd@nist.gov	Primary	8.1	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:H
3.1	cna@vulldb.com	Secondary	6.3	MEDIUM	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:L
3.1	CNA	DECLARED	6.3	MEDIUM	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:L/E:P/RL:X/RC:R
3.0	CNA	DECLARED	6.3	MEDIUM	CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:L/E:P/RL:X/RC:R
2.0	cna@vulldb.com	Secondary	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P
2.0	CNA	DECLARED	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P/E:POC/RL:ND/RC:UR

CVSS v4.0 Breakdown	
Attack Vector	Network
Attack Complexity	Low
Attack Requirements	

Attack Requirements

None

Privileges Required

None

User Interaction

Passive

Confidentiality

Low

Integrity

Low

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX:MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X



CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:H



CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:L/E:P/RL:X/RC:R



NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Matio Project	Matio	1.5.28	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Tbeu	Matio	affected 1.5.28	Not specified

References

Reference	Source	Link	Tags
vuldb.com	cna@vuldb.com	vuldb.com	Third Party Advisory, VDB Entry
vuldb.com	cna@vuldb.com	vuldb.com	Third Party Advisory, VDB Entry
vuldb.com	cna@vuldb.com	vuldb.com	Third Party Advisory, VDB Entry
github.com/tbeu/matio/issues/267	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com	Exploit, Issue Tracking, Vendor Advisory
vuldb.com	cna@vuldb.com	vuldb.com	Permissions Required, VDB Entry
github.com/tbeu/matio/issues/267	cna@vuldb.com	github.com	Exploit, Issue Tracking, Vendor Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Chen Lihai (en)

Additional Advisory Data		
Source	Time	Event
CNA	2025-03-15T00:00:00.000Z	Advisory disclosed
CNA	2025-03-15T01:00:00.000Z	VulDB entry created
CNA	2025-07-24T11:44:37.000Z	VulDB entry last update
There are currently no legacy QID mappings associated with this CVE.		

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