



tcpreplay tcppprep cidr.c mask_cidr6 heap-based overflow

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2025-9019
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-08-15 07:15:29 UTC
Updated	2026-04-29 01:00:01 UTC
Description	A vulnerability has been found in tcpreplay 4.5.1. This vulnerability affects the function mask_cidr6 of the file cidr.c of the co

Risk And Classification

Primary CVSS: v4.0 1.3 LOW from cna@vulldb.com

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:P/VC:N/VI:N/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

Problem Types: CWE-119 | CWE-122 | CWE-787 | CWE-122 Heap-based Buffer Overflow | CWE-119 Memory Corruption

Version	Source	Type	Score	Severity	Vector
4.0	cna@vulldb.com	Secondary	1.3	LOW	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:P/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:P/C..
4.0	CNA	DECLARED	2.3	LOW	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:P/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:P
3.1	nvd@nist.gov	Primary	5.9	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	cna@vulldb.com	Secondary	3.1	LOW	CVSS:3.1/AV:N/AC:H/PR:N/UI:R/S:U/C:N/I:N/A:L
3.1	CNA	DECLARED	3.1	LOW	CVSS:3.1/AV:N/AC:H/PR:N/UI:R/S:U/C:N/I:N/A:L/E:P/RL:X/RC:C
3.0	CNA	DECLARED	3.1	LOW	CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:N/I:N/A:L/E:P/RL:X/RC:C
2.0	cna@vulldb.com	Secondary	2.6		AV:N/AC:H/Au:N/C:N/I:N/A:P
2.0	CNA	DECLARED	2.6		AV:N/AC:H/Au:N/C:N/I:N/A:P/E:POC/RL:ND/RC:C

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

None

Privileges Required

None

User Interaction

Passive

Confidentiality

None

Integrity

None

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:P/VC:N/VI:N/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

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

CVSS v3.0 Breakdown

Attack Vector

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Broadcom	Tcpreplay	4.5.1	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	Tcpreplay	affected 4.5.1	Not specified

References

Reference	Source	Link	Tags
drive.google.com/file/d/13SQYVlb_YQoRfaJaaLf6iLtMiCRCHIBc/view	cna@vuldb.com	drive.google.com	Explic
vuldb.com	cna@vuldb.com	vuldb.com	Perm
vuldb.com	cna@vuldb.com	vuldb.com	Third
github.com/appneta/tcpreplay/issues/958	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com	Explic
vuldb.com	cna@vuldb.com	vuldb.com	Explic
vuldb.com	134c704f-9b21-4f2e-91b3-4a467353bcc0	vuldb.com	Explic
github.com/appneta/tcpreplay/issues/959	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com	Explic
vuldb.com	cna@vuldb.com	vuldb.com	Explic
vuldb.com	cna@vuldb.com	vuldb.com	Explic
github.com/appneta/tcpreplay/issues/958	cna@vuldb.com	github.com	Explic
vuldb.com	cna@vuldb.com	vuldb.com	Explic
CVE Program record	CVE ORG	www.cve.org	cano

CVE Program Record	CVE ID	www.cve.org	Canon
NVD vulnerability detail	NVD	nvd.nist.gov	Canon

Vendor Comments And Credit

Discovery Credit
CNA: nipc-cxd (VulDB User) (en)

Additional Advisory Data

Source	Time	Event
CNA	2025-08-14T00:00:00.000Z	Advisory disclosed
CNA	2025-08-14T02:00:00.000Z	VulDB entry created
CNA	2025-08-14T07:55:48.000Z	VulDB entry last update

There are currently no legacy QID mappings associated with this CVE.

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