



netlink: avoid infinite retry looping in netlink_unicast()

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

Summary

CVE	CVE-2025-38727
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-04 16:15:42 UTC
Updated	2026-05-12 13:17:02 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: netlink: avoid infinite retry looping in netlink_unicast() netli

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-835

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 9da025150b7c14a8390fc06aea314c0a4011e82c 47d49fd07f86
CNA	Linux	Linux	affected c4ceaac5c5ba0b992ee1dc88e2a02421549e5c98 6bee383ff83
CNA	Linux	Linux	affected fd69af06101090eaa60b3d216ae715f9c0a58e5b f324959ad47e
CNA	Linux	Linux	affected 76602d8e13864524382b0687dc32cd8f19164d5a d42b71a34ff
CNA	Linux	Linux	affected 55baecb9eb90238f60a8350660d6762046ebd3bd 346c820ef51
CNA	Linux	Linux	affected 4b8e18af7bea92f8b7fb92d40aae729209db250 44ddd7b1ae0
CNA	Linux	Linux	affected cd7ff61bffd7000143c42bbff85eeb792466d6 78fcd69d55c5f1
CNA	Linux	Linux	affected ae8f160e7eb24240a2a79fc4c815c6a0d4ee16cc e8edc7de688
CNA	Linux	Linux	affected ae8f160e7eb24240a2a79fc4c815c6a0d4ee16cc 759dfc7d04ba
CNA	Linux	Linux	affected 6.16
CNA	Linux	Linux	unaffected 6.16 semver
CNA	Linux	Linux	unaffected 5.4.297 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.241 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.190 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.149 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.103 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.43 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.11 6.15.* semver
CNA	Linux	Linux	unaffected 6.16.2 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom

References

Reference	Source	Link
git.kernel.org/stable/c/e8edc7de688791a337c068693f22e8d8b869df71	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/759dfc7d04bab1b0b86113f1164dc1fec192b859	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/346c820ef5135cf062fa3473da955ef8c5fb6929	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/6bee383ff83352a693d03efdf27cdd80742f71b2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/78fcd69d55c5f11d7694c547eca767a1cfd38ec4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/f324959ad47e62e3cadaffa65d3cff790fb48529	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/d42b71a34f6b8a2d5c53df81169b03b8d8b5cf4e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/47d49fd07f86d1f55ea1083287303d237e9e0922	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/10/msg00007.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/44ddd7b1ae0b7edb2c832eb16798c827a05e58f0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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