



net: avoid race between device unregistration and ethnl ops

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

Summary

CVE	CVE-2025-21701
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-02-13 15:15:20 UTC
Updated	2026-05-12 13:16:32 UTC

Description In the Linux kernel, the following vulnerability has been resolved: net: avoid race between device unregistration and ethnl ops

Risk And Classification

Primary CVSS: v3.1 4.7 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-362 | CWE-362 CWE-362 Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	4.7	MEDIUM	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	ADP	DECLARED	7.4	HIGH	CVSS:3.1/AV:L/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.4	HIGH	CVSS:3.1/AV:L/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:H/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 cfd719f04267108f5f5bf802b9d7de69e99a99f9 26bc6076798ae
CNA	Linux	Linux	affected dde91ccfa25fd58f64c397d91b81a4b393100ffa b1cb37a31a48:
CNA	Linux	Linux	affected dde91ccfa25fd58f64c397d91b81a4b393100ffa 2f29127e94ae9
CNA	Linux	Linux	affected dde91ccfa25fd58f64c397d91b81a4b393100ffa b382ab9b885cl
CNA	Linux	Linux	affected dde91ccfa25fd58f64c397d91b81a4b393100ffa 4dc880245f9b5
CNA	Linux	Linux	affected dde91ccfa25fd58f64c397d91b81a4b393100ffa 12e070eb6964l
CNA	Linux	Linux	affected 7c26da3be1e9843a15b5318f90db8a564479d2ac git
CNA	Linux	Linux	affected 5.16
CNA	Linux	Linux	unaffected 5.16 semver
CNA	Linux	Linux	unaffected 5.15.179 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.129 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.76 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.13 6.12.* semver
CNA	Linux	Linux	unaffected 6.13.2 6.13.* semver
CNA	Linux	Linux	unaffected 6.14 * original_commit_for_fix
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
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git.kernel.org/stable/c/b1cb3/a31a482df3dd35a6ac166282dac4/664f4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/12e070eb6964b341b41677fd260af5a305316a1f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/2f29127e94ae9dc7497331003d6860e9551cdf3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/26bc6076798aa4dc83a07d0a386f9e57c94e8517	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/4dc880245f9b529fa8f476b5553c799d2848b47b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/b382ab9b885cbb665e0e70a727f101c981b4edf3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00028.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.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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