



# ipv6: fix possible race in \_\_fib6\_drop\_pcpu\_from()

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2024-40905
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2024-07-12 13:15:13 UTC
<b>Updated</b>	2026-05-12 12:16:59 UTC
<b>Description</b>	In the Linux kernel, the following vulnerability has been resolved: ipv6: fix possible race in __fib6_drop_pcpu_from() syzbot

## 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-476

## CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

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 d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected d52d3997f843ffefaa8d8462790ffcaca6c7419
CNA	Linux	Linux	affected 4.2
CNA	Linux	Linux	unaffected 4.2 semver
CNA	Linux	Linux	unaffected 5.4.279 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.221 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.162 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.95 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.35 6.6.* semver
CNA	Linux	Linux	unaffected 6.9.6 6.9.* semver
CNA	Linux	Linux	unaffected 6.10 * original_commit_for_fix
ADP	Siemens	RUGGEDCOM RST2428P	affected V3.1 custom
ADP	Siemens	RUGGEDCOM RST2428P	unaffected * custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	unaffected * custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	unaffected * custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	affected V3.1 custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	unaffected * custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

## References

Reference	Source	Link
git.kernel.org/stable/c/09e5a5a80e205922151136069e440477d6816914	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/a0bc020592b54a8f3fa2b7f244b6e39e526c2e12	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/b01e1c30770ff3b4fe37fc7cc6bca03f594133f	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/2498960dac9b6fc49b6d1574f7cd1a4872744adf	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>

git.kernel.org/stable/c/7e796c3fefa8b17b30e7252886ae8cffacd2b9ef	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/c693698787660c97950bc1f93a8dd19d8307153d	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
git.kernel.org/stable/c/c90af1cced2f669a7b2304584be4ada495eaa0e5	af854a3a-2127-422b-91ae-364da2661108	<a href="https://git.kernel.org">git.kernel.org</a>
cert-portal.siemens.com/productcert/html/ssa-613116.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
cert-portal.siemens.com/productcert/html/ssa-355557.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

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

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