net: fix data-races around sk->sk_forward_alloc

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Summary

CVE	CVE-2024-53124
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-12-02 14:15:13 UTC
Updated	2026-05-12 13:16:22 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: net: fix data-races around sk->sk_forward_alloc Syzkaller

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

EPSS: 0.000140000 probability, percentile 0.026520000 (date 2026-05-12)

Problem Types: CWE-362

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
Operating System	Linux	Linux Kernel	6.12	rc1	All	All
Operating System	Linux	Linux Kernel	6.12	rc2	All	All
Operating System	Linux	Linux Kernel	6.12	rc3	All	All
Operating System	Linux	Linux Kernel	6.12	rc4	All	All
Operating System	Linux	Linux Kernel	6.12	rc5	All	All
Operating System	Linux	Linux Kernel	6.12	rc6	All	All
Operating System	Linux	Linux Kernel	6.12	rc7	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 695fb0b
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 fe2c0bd
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 c3d052c
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 be7c61e
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 3f51f8c9
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 d285eb9
CNA	Linux	Linux	affected e994b2f0fb9229aeff5eea9541320bd7b2ca8714 073d898
CNA	Linux	Linux	affected 4.4
CNA	Linux	Linux	unaffected 4.4 semver
CNA	Linux	Linux	unaffected 5.4.290 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.234 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.177 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.127 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.74 6.6.* semver
CNA	Linux	Linux	unaffected 6.11.10 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - BIOS	affected * custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom

ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.0 V3.1.5 custom

References

Reference	Source	Link
cert-portal.siemens.com/productcert/html/ssa-398330.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
cert-portal.siemens.com/productcert/html/ssa-503939.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/c3d052cae566ec2285f5999958a5deb415a0f59e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/073d89808c065ac4c672c0a613a71b27a80691cb	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/be7c61ea5f816168c38955eb4e898adc8b4b32fd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/3f51f8c9d28954cf380100883a02eed35a8277e9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/d285eb9d0641c8344f2836081b4ccb7b3c5cc1b6	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/695fb0b9aecfd5dd5b2946ba8897ac2c1eef654d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/fe2c0bd6d1e29ccefdc978b9a290571c93c27473	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.