



netfilter: nf_reject_ipv6: fix nf_reject_ip6_tcphdr_put()

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

Summary

CVE	CVE-2024-47685
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-10-21 12:15:05 UTC
Updated	2026-05-12 12:17:13 UTC

Description In the Linux kernel, the following vulnerability has been resolved: netfilter: nf_reject_ipv6: fix nf_reject_ip6_tcphdr_put() syz

Risk And Classification

Primary CVSS: v3.1 9.1 CRITICAL from nvd@nist.gov

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

Problem Types: CWE-908

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	11.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected c8d7b98bec43faaa6583c3135030be5eb469
CNA	Linux	Linux	affected 3.18
CNA	Linux	Linux	unaffected 3.18 semver
CNA	Linux	Linux	unaffected 4.19.323 4.19.* semver
CNA	Linux	Linux	unaffected 5.4.285 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.227 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.168 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.113 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.54 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.13 6.10.* semver
CNA	Linux	Linux	unaffected 6.11.2 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix
ADP	Siemens	RUGGEDCOM RST2428P	affected V3.2 custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	affected V3.2 custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	affected V3.2 custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/fbff87d682e57ddb82abf6d0a1a4a36a98afcd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/7bcbc4cda777d26c88500d973fad0d497fc8a82e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

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lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/7a7b5a27c53b55e91eecf646d1b204e73fa4af93	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.com
git.kernel.org/stable/c/10210658f827ad45061581cbfc05924b723e8922	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
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git.kernel.org/stable/c/7ea2bcfd9bf4c3dbbf22546162226fd1c14d8ad2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/872eca64c3267dbc5836b715716fc6c03a18eda7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/af4b8a704f26f38310655bad67fd8096293275a2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-355557.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.com
lists.debian.org/debian-lts-announce/2025/01/msg00001.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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