



xfrm: hold dev ref until after transport_finish NF_HOOK

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

Summary

CVE CVE-2026-31663

State PUBLISHED

Assigner Linux

Source Priority CVE Program / NVD first with legacy fallback

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Description In the Linux kernel, the following vulnerability has been resolved: xfrm: hold dev ref until after transport_finish NF_HOOK Af

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

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

EPSS: 0.000170000 probability, percentile 0.040590000 (date 2026-04-27)

Problem Types: NVD-CWE-noinfo

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/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 acf568ee859f098279eadf551612f103afdacb4e 0f451b43c88bf2b9c038b414be580efee42e031b git
CNA	Linux	Linux	affected acf568ee859f098279eadf551612f103afdacb4e 5002beda5cac69d522dc54da0d5d463ed9c963d2 git
CNA	Linux	Linux	affected acf568ee859f098279eadf551612f103afdacb4e 1c428b03840094410c5fb6a5db30640486bbbfcf git
CNA	Linux	Linux	affected 69895c5ea0ca2e8d7de1e6d36965d0ab9730787f git
CNA	Linux	Linux	affected 833760100588acfb267dac4d6a02ab9931237739 git
CNA	Linux	Linux	affected e095ecaec6d94aa2156cceb98a85d409b51190f3 git
CNA	Linux	Linux	affected 4.15
CNA	Linux	Linux	unaffected 4.15 semver
CNA	Linux	Linux	unaffected 6.18.23 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.13 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/0f451b43c88bf2b9c038b414be580efee42e031b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/1c428b03840094410c5fb6a5db30640486bbbfcf	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/5002beda5cac69d522dc54da0d5d463ed9c963d2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE.

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

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