xfrm: Fix work re-schedule after cancel in xfrm_nat_keepalive_net_fini()

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Summary

CVE	CVE-2026-31406
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-06 08:16:38 UTC
Updated	2026-04-27 14:16:36 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: xfrm: Fix work re-schedule after cancel in xfrm_nat_keepa

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: 0.000100000 probability, percentile 0.011130000 (date 2026-04-27)

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

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected f531d13bdfe3f4f084aaa8acae2cb0f02295f5ae 32d0f44c2f14d60fe8e920e69a28c11051543ec1 git
CNA	Linux	Linux	affected f531d13bdfe3f4f084aaa8acae2cb0f02295f5ae 2255ed6adbc3100d2c4a83abd9d0396d04b87792 git
CNA	Linux	Linux	affected f531d13bdfe3f4f084aaa8acae2cb0f02295f5ae 21f2fc49ca6faa393c31da33b8a4e6c41fc84c13 git
CNA	Linux	Linux	affected f531d13bdfe3f4f084aaa8acae2cb0f02295f5ae daf8e3b253aa760ff9e96c7768a464bc1d6b3c90 git
CNA	Linux	Linux	affected 6.11
CNA	Linux	Linux	unaffected 6.11 semver
CNA	Linux	Linux	unaffected 6.12.80 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.21 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.11 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/21f2fc49ca6faa393c31da33b8a4e6c41fc84c13	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/daf8e3b253aa760ff9e96c7768a464bc1d6b3c90	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/2255ed6adbc3100d2c4a83abd9d0396d04b87792	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/32d0f44c2f14d60fe8e920e69a28c11051543ec1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
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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Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report