



netfilter: x_tables: guard option walkers against 1-byte tail reads

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

Summary

CVE	CVE-2026-43452
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-08 15:16:57 UTC
Updated	2026-05-11 08:16:14 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: netfilter: x_tables: guard option walkers against 1-byte tail

Risk And Classification

Primary CVSS: v3.1 8.2 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

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

EPSS: 0.000240000 probability, percentile 0.070400000 (date 2026-05-10)

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	8.2	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:H
3.1	CNA	DECLARED	8.2	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

None

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc c2a445367a496a3c25dbc940c10c8bd1cfd4c14a git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc ae1e1267650638136b84c23f2b31250f0ccb6823 git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc c39f84e4be1be63fc60ca7141ea7b76edcea5907 git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc 9b94f0e42ed248eb31929da84ed9f5310d7ff540 git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc 5b18b8b35c7cded2d17b2b2604c9b0694ff48d1c git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc bc18551c6169eac5ed813778d3e3e484002dbbe5 git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc d04800323336eebf441d153f43234eac9b833d36 git
CNA	Linux	Linux	affected 2e4e6a17af35be359cc8f1c924f8f198fbd478cc cfe770220ac2dbd3e104c6b45094037455da81d4 git
CNA	Linux	Linux	affected 2.6.16
CNA	Linux	Linux	unaffected 2.6.16 semver
CNA	Linux	Linux	unaffected 5.10.253 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.167 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.130 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.78 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.19 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.9 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/9b94f0e42ed248eb31929da84ed9f5310d7ff540	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/c2a445367a496a3c25dbc940c10c8bd1cfd4c14a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/d04800323336eebf441d153f43234eac9b833d36	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/cfe770220ac2dbd3e104c6b45094037455da81d4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
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git.kernel.org/stable/c/5b18b8b35c7cded2d17b2b2604c9b0694ff48d1c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/ae1e1267650638136b84c23f2b31250f0ccb6823	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/bc18551c6169eac5ed813778d3e3e484002dbbe5	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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