



ipv4: nexthop: allocate skb dynamically in rtm_get_nexthop()

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

Summary

CVE	CVE-2026-31531
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-23 12:17:01 UTC
Updated	2026-04-28 17:38:49 UTC

Description In the Linux kernel, the following vulnerability has been resolved: ipv4: nexthop: allocate skb dynamically in rtm_get_nexthop

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from nvd@nist.gov

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

EPSS: 0.000100000 probability, percentile 0.011770000 (date 2026-04-26)

Problem Types: NVD-CWE-noinfo

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 615517f3f8d53b0cf41507c7599971e17adfdfa5 git
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 40bd39e383a0478fd5c221f393df05fd9d70cfbc git
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 635038fe19db391117e66b46bdc2b6e447ac801d gi
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 14cf0cd35361f4e94824bf8a42f72713d7702a73 git
CNA	Linux	Linux	affected 5.3
CNA	Linux	Linux	unaffected 5.3 semver
CNA	Linux	Linux	unaffected 6.12.83 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.24 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.14 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/615517f3f8d53b0cf41507c7599971e17adfdfa5	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/635038fe19db391117e66b46bdc2b6e447ac801d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/40bd39e383a0478fd5c221f393df05fd9d70cfbc	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/14cf0cd35361f4e94824bf8a42f72713d7702a73	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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