



net: nexthop: Initialize all fields in dumped nexthops

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2024-42283
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-08-17 09:15:09 UTC
Updated	2026-05-12 12:17:05 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: net: nexthop: Initialize all fields in dumped nexthops struct

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

Problem Types: CWE-908

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 fd06cb
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 5cc4d7
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 9e8f55
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 1377d
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 77044f
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 a13d3f
CNA	Linux	Linux	affected 430a049190de3c9e219f43084de9f1122da04570 6d745c
CNA	Linux	Linux	affected 5.3
CNA	Linux	Linux	unaffected 5.3 semver
CNA	Linux	Linux	unaffected 5.4.282 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.224 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.165 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.103 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.44 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.3 6.10.* semver
CNA	Linux	Linux	unaffected 6.11 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/a13d3864b76ac87085ec530b2ff8e37482a63a96	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/1377de719652d868f5317ba8398b7e74c5f0430b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/7704460acd7f5d35eb07c52500987dc9b95313fb	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/6d745cd0e9720282cd291d36b9db528aea18add2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/5cc4d71dda2dd4f1520f40e634a527022e48ccd8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2024/10/msg00003.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/9e8f558a3afe99ce51a642ce0d3637ddc2b5d5d0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/fd06cb4a5fc7bda3dea31712618a62af72a1c6cb	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.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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