



# net: gso: Forbid IPv6 TSO with extensions on devices with only IPV6\_CSUM

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

## Summary

<b>CVE</b>	CVE-2025-39770
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2025-09-11 17:15:42 UTC
<b>Updated</b>	2026-05-12 13:17:10 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: net: gso: Forbid IPv6 TSO with extensions on devices with

## 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:** 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 a84978a9cda68f0afe3f01d476c68db21526baf1 a0478d7e8880
CNA	Linux	Linux	affected c69bc67c1cb211aa390bea6e512bb01b1241fefb 2156d9e9f2e-
CNA	Linux	Linux	affected 04c20a9356f283da623903e81e7c6d5df7e4dc3c 041e2f945f82
CNA	Linux	Linux	affected 04c20a9356f283da623903e81e7c6d5df7e4dc3c 794ddb7b63
CNA	Linux	Linux	affected 04c20a9356f283da623903e81e7c6d5df7e4dc3c 864e3396976
CNA	Linux	Linux	affected bcefc3cd7f592a70fcbbf7ad1fbc69172ea78b git
CNA	Linux	Linux	affected 477b35d94a21530046fe91589960732fcf2b29ed git
CNA	Linux	Linux	affected a27a5c40ee4cbe00294e2c76160de5f2589061ba git
CNA	Linux	Linux	affected 9f605135a5c0fe614c2b15197b9ced1e217eca59 git
CNA	Linux	Linux	affected 705350fbd6ed4b5d89ee045fa57a0594a72b17d7 git
CNA	Linux	Linux	affected 6.12
CNA	Linux	Linux	unaffected 6.12 semver
CNA	Linux	Linux	unaffected 6.1.149 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.103 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.44 6.12.* semver
CNA	Linux	Linux	unaffected 6.16.4 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom

## References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
git.kernel.org/stable/c/041e2f945f82fdbd6fff577b79c33469430297aa	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>

<a href="https://git.kernel.org/stable/c/794ddb7b63b6828c75967b9bcd43b086716e7a1">git.kernel.org/stable/c/794ddb7b63b6828c75967b9bcd43b086716e7a1</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/864e3396976ef41de6cc7bc366276bf4e084fff2">git.kernel.org/stable/c/864e3396976ef41de6cc7bc366276bf4e084fff2</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://cert-portal.siemens.com/productcert/html/ssa-032379.html">cert-portal.siemens.com/productcert/html/ssa-032379.html</a>	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>
<a href="https://git.kernel.org/stable/c/a0478d7e888028f85fa7785ea838ce0ca09398e2">git.kernel.org/stable/c/a0478d7e888028f85fa7785ea838ce0ca09398e2</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/2156d9e9f2e483c8c3906c0ea57ea312c1424235">git.kernel.org/stable/c/2156d9e9f2e483c8c3906c0ea57ea312c1424235</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

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

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