



# net/sched: Abort \_\_tc\_modify\_qdisc if parent class does not exist

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

## Summary

<b>CVE</b>	CVE-2025-38457
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2025-07-25 16:15:31 UTC
<b>Updated</b>	2026-05-12 13:16:49 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: net/sched: Abort \_\_tc\_modify\_qdisc if parent class does not exist

## 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 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 923a276c74e9
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 90436e72c962
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 25452638f133
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 23c165dde88e
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 4c691d1b6b6c
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 8ecd651ef24a
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 e28a383d648f
CNA	Linux	Linux	affected 5e50da01d0ce7ef0ba3ed6cfabd62f327da0aca6 ffdde7bf5a439
CNA	Linux	Linux	affected 2.6.20
CNA	Linux	Linux	unaffected 2.6.20 semver
CNA	Linux	Linux	unaffected 5.4.296 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.240 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.189 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.146 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.99 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.39 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.7 6.15.* semver
CNA	Linux	Linux	unaffected 6.16 * original_commit_for_fix
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
git.kernel.org/stable/c/923a276c74e25073ae391e930792ac86a9f77f1e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/90436e72c9622c2f70389070088325a3232d339f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org

cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.co</a>
git.kernel.org/stable/c/4c691d1b6b6dbd73f30ed9ee7da05f037b0c49af	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/25452638f133ac19d75af3f928327d8016952c8e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/23c165dde88eac405eebb59051ea1fe139a45803	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/ffdde7bf5a439aaa1955ebd581f5c64ab1533963	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
git.kernel.org/stable/c/8ecd651ef24ab50123692a4e3e25db93cb11602a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
lists.debian.org/debian-lts-announce/2025/10/msg00007.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
git.kernel.org/stable/c/e28a383d6485c3bb51dc5953552f76c4dea33eea	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.

© [CVE.report](https://cve.report) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](https://www.mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://www.mitre.org/cve). This site includes MITRE data granted under the following [license](https://www.mitre.org/cve).

**Free CVE JSON API** [cve.report/api](https://cve.report/api)

**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)