



net_sched: sch_sfq: don't allow 1 packet limit

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2024-57996 |
| State | PUBLISHED |
| Assigner | Linux |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2025-02-27 02:15:13 UTC |
| Updated | 2026-05-12 13:16:25 UTC |

Description In the Linux kernel, the following vulnerability has been resolved: net_sched: sch_sfq: don't allow 1 packet limit The current

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-129

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 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 e12f6013d0a6 |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 1e6d9d87626c |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 1b562b7f9231 |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 35d0137305ae |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 833e9a1c27b6 |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 7d8947f2153e |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 7f7fc294204f1 |
| CNA | Linux | Linux | affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 10685681bafc |
| CNA | Linux | Linux | affected 2.6.12 |
| CNA | Linux | Linux | unaffected 2.6.12 semver |
| CNA | Linux | Linux | unaffected 5.4.297 5.4.* semver |
| CNA | Linux | Linux | unaffected 5.10.239 5.10.* semver |
| CNA | Linux | Linux | unaffected 5.15.186 5.15.* semver |
| CNA | Linux | Linux | unaffected 6.1.129 6.1.* semver |
| CNA | Linux | Linux | unaffected 6.6.76 6.6.* semver |
| CNA | Linux | Linux | unaffected 6.12.13 6.12.* semver |
| CNA | Linux | Linux | unaffected 6.13.2 6.13.* semver |
| CNA | Linux | Linux | unaffected 6.14 * 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/35d0137305ae2f97260a9047f445bd4434bd6cc7 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |
| git.kernel.org/stable/c/1e6d9d87626cf89eeffb4d943db12cb5b10bf961 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |
| cert-portal.siemens.com/productcert/html/ssa-082556.html | 0b142b55-0307-4c5a-b3c9-f314f3fb7c5e | cert-portal.siemens.com |
| git.kernel.org/stable/c/e12f6013d0a69660e8b99bfe381b9546ae667328 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |

| | | |
|---|--------------------------------------|---|
| git.kernel.org/stable/c/833e9a1c27b82024db7ff5038a51651f48f05e5e | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |
| git.kernel.org/stable/c/10685681bafce6febb39770f3387621bf5d67d0b | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |
| git.kernel.org/stable/c/1b562b7f9231432da40d12e19786c1bd7df653a7 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |
| git.kernel.org/stable/c/7fefc294204f10a3405f175f4ac2be16d63f135e | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org |
| lists.debian.org/debian-lts-announce/2025/03/msg00028.html | af854a3a-2127-422b-91ae-364da2661108 | lists.debian.org |
| lists.debian.org/debian-lts-announce/2025/10/msg00007.html | af854a3a-2127-422b-91ae-364da2661108 | lists.debian.org |
| git.kernel.org/stable/c/7d8947f2153ee9c5ab4cb17861a11cc45f30e8c4 | 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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