



fs: Prevent file descriptor table allocations exceeding INT_MAX

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

Summary

CVE	CVE-2025-39756
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-11 17:15:39 UTC
Updated	2026-05-12 13:17:09 UTC

Description In the Linux kernel, the following vulnerability has been resolved: fs: Prevent file descriptor table allocations exceeding INT_

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-401

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 9cfe015aa424b3c003baba3841a60dd9b5ad319b b4159c5a90c
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b f95638a8f22
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b 7495280866
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b 628fc28f42d
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b 237e416eb6
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b d4f9351243c
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b 9f61fa6a2a8
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b dfd1f4ea98c
CNA	Linux	Linux	affected 9cfe015aa424b3c003baba3841a60dd9b5ad319b 04a2c4b451
CNA	Linux	Linux	affected 2.6.25
CNA	Linux	Linux	unaffected 2.6.25 semver
CNA	Linux	Linux	unaffected 5.4.297 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.241 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.190 5.15.* 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 6.12.43 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.11 6.15.* semver
CNA	Linux	Linux	unaffected 6.16.2 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
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git.kernel.org/stable/c/237e416eb62101f21b28c9e6e564d10efe1ecc6f	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
git.kernel.org/stable/c/628fc28f42d979f36dbf75a6129ac7730e30c04e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
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lists.debian.org/debian-lts-announce/2025/10/msg00007.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/b4159c5a90c03f8acd3de345a7f5fc63b0909818	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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