



memcg: fix soft lockup in the OOM process

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

Summary

CVE	CVE-2024-57977
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-02-27 02:15:10 UTC
Updated	2026-05-12 13:16:24 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: memcg: fix soft lockup in the OOM process A soft lockup i

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-667

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 9cbb78bb314360a860a8b23723971cb6fcb54176 72f2cc
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 11039
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 a9042
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 0a09d
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 97248
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 c3a37
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 46576
CNA	Linux	Linux	affected 9cbb78bb314360a860a8b23723971cb6fcb54176 ade81
CNA	Linux	Linux	affected 3.6
CNA	Linux	Linux	unaffected 3.6 semver
CNA	Linux	Linux	unaffected 5.4.291 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.235 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.179 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.130 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.80 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	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * 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/2025/05/msg00030.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/a9042dbc1ed4bf25a5f5c699d10c3d676abf8ca2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/972486d37169fe85035e81b8c5dff21f70df1173	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.co
git.kernel.org/stable/c/110399858194c71f11afefad6e7be9e3876b284f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
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git.kernel.org/stable/c/ade81479c7dda1ce3eedb215c78bc615bbd04f06	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/46576834291869457d4772bb7df72d7c2bb3d57f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/c3a3741db8c1202aa959c77df3a4c361612d1eb1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/05/msg00045.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/0a09d56e1682c951046bf15542b3e9553046c9f6	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/72f2c0b7c152c2983ed51d48c3272cab4f34d965	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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