mm: swap: fix race between free_swap_and_cache() and swapoff()

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2024-26960
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-05-01 06:15:12 UTC
Updated	2026-05-12 12:16:28 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: mm: swap: fix race between free_swap_and_cache() and

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from ADP

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

Problem Types: CWE-362 | CWE-362 CWE-362 Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

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 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e d85c11
CNA	Linux	Linux	affected 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e 2da556
CNA	Linux	Linux	affected 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e 1ede7f
CNA	Linux	Linux	affected 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e 0f98f6d
CNA	Linux	Linux	affected 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e 3ce4c4
CNA	Linux	Linux	affected 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e 363d17
CNA	Linux	Linux	affected 7c00bafee87c7bac7ed9eced7c161f8e5332cb4e 82b1c0
CNA	Linux	Linux	affected 4.11
CNA	Linux	Linux	unaffected 4.11 semver
CNA	Linux	Linux	unaffected 5.10.215 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.154 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.84 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.24 6.6.* semver
CNA	Linux	Linux	unaffected 6.7.12 6.7.* semver
CNA	Linux	Linux	unaffected 6.8.3 6.8.* semver
CNA	Linux	Linux	unaffected 6.9 * original_commit_for_fix
ADP	Linux	Linux Kernel	affected 7c00bafee87c d85c11c97ecf custom
ADP	Linux	Linux Kernel	affected 7c00bafee87c 2da5568ee222 custom
ADP	Linux	Linux Kernel	affected 7c00bafee87c 1ede7f1d7eed custom
ADP	Linux	Linux Kernel	affected 7c00bafee87c 0f98f6d2fb5f custom
ADP	Linux	Linux Kernel	affected 7c00bafee87c 3ce4c4c653e4 custom
ADP	Linux	Linux Kernel	affected 7c00bafee87c 363d17e7f790 custom
ADP	Linux	Linux Kernel	affected 7c00bafee87c 82b1c07a0af6 custom
ADP	Linux	Linux Kernel	unaffected 5.10.215 5.11 custom

ADP	Linux	Linux Kernel	unaffected 6.1.84 6.2 custom
ADP	Linux	Linux Kernel	unaffected 6.6.24 6.7 custom
ADP	Linux	Linux Kernel	unaffected 6.8.3 6.9 custom
ADP	Linux	Linux Kernel	unaffected 6.9
ADP	Linux	Linux Kernel	unaffected 4.11 custom
ADP	Linux	Linux Kernel	affected 4.11
ADP	Linux	Linux Kernel	unaffected 5.15.154 5.16 custom
ADP	Linux	Linux Kernel	unaffected 6.7.12 6.8 custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/82b1c07a0af603e3c47b906c8e991dc96f01688e	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
lists.debian.org/debian-lts-announce/2024/06/msg00017.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/0f98f6d2fb5fad00f8299b84b85b6bc1b6d7d19a	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cor
git.kernel.org/stable/c/2da5568ee222ce0541bfe446a07998f92ed1643e	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/3ce4c4c653e4e478ecb15d3c88e690f12cbf6b39	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/d85c11c97ecf92d47a4b29e3faca714dc1f18d0d	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/363d17e7f7907c8e27a9e86968af0eaa2301787b	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/1ede7f1d7eed1738d1b9333fd1e152ccb450b86a	af854a3a-2127-422b-91ae-364da2661108	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.