mm/debug_vm_pgtable: clear page table entries at destroy_args()

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Summary

CVE	CVE-2025-39776
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-09-11 17:15:43 UTC
Updated	2026-05-12 13:17:10 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: mm/debug_vm_pgtable: clear page table entries at destro

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

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

Problem Types: CWE-416

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/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 3c9b84f044a9e54cf56d1b2c9b80a2d2ce56d70a 7bf57a0709cd7c9088cea8de023d6f4fbf2
CNA	Linux	Linux	affected 3c9b84f044a9e54cf56d1b2c9b80a2d2ce56d70a 47d2a149611b8a94d24add9868c442a4a
CNA	Linux	Linux	affected 3c9b84f044a9e54cf56d1b2c9b80a2d2ce56d70a 63962ff932ef359925b94be2a88df6b4fd4
CNA	Linux	Linux	affected 3c9b84f044a9e54cf56d1b2c9b80a2d2ce56d70a 61a9f2e5c49f05e3ea2c16674540a075a1
CNA	Linux	Linux	affected 3c9b84f044a9e54cf56d1b2c9b80a2d2ce56d70a 561171db3b3eb759ba3f284dba7a76f447
CNA	Linux	Linux	affected 3c9b84f044a9e54cf56d1b2c9b80a2d2ce56d70a dde30854bddfb5d69f30022b53c5955a41
CNA	Linux	Linux	affected 5.15
CNA	Linux	Linux	unaffected 5.15 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 6.12.44 6.12.* semver
CNA	Linux	Linux	unaffected 6.16.4 6.16.* semver
CNA	Linux	Linux	unaffected 6.17 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/561171db3b3eb759ba3f284dba7a76f4476ade03	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/63962ff932ef359925b94be2a88df6b4fd4fed0a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/7bf57a0709cd7c9088cea8de023d6f4fbf2518b0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/61a9f2e5c49f05e3ea2c16674540a075a1b4be6f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/dde30854bddfb5d69f30022b53c5955a41088b33	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/47d2a149611b8a94d24add9868c442a4af278658	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.

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**