



CVE-2023-23005

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Summary

CVE	CVE-2023-23005
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-03-01 20:15:00 UTC
Updated	2023-11-07 04:07:00 UTC
Description	** DISPUTED ** In the Linux kernel before 6.2, mm/memory-tiers.c misinterprets the alloc_memory_type return value (expe

Risk And Classification

Problem Types: CWE-476

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Suse	Linux Enterprise Server	15	sp5	All	All

References

Reference

- mm/demotion: fix NULL vs IS_ERR checking in memory_tier_init · torvalds/linux@4a625ce · GitHub
- Bug 1208844 – VUL-0: CVE-2023-23005: kernel-source-azure,kernel-source-rt,kernel-source: mm/memory-tiers.c misinterprets the alloc_mer
- cdn.kernel.org/pub/linux/kernel/v6.x/ChangeLog-6.2
- CVE Program record
- NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[906722](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25619-1)

[906932](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25609-1)

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