



KVM: x86: Use scratch field in MMIO fragment to hold small write values

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

Summary

CVE	CVE-2026-31588
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-24 15:16:33 UTC
Updated	2026-04-24 17:51:40 UTC

Description In the Linux kernel, the following vulnerability has been resolved: KVM: x86: Use scratch field in MMIO fragment to hold sm

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 b5a02d37eb0739f462fa12df449ab9b3480c783b git
CNA	Linux	Linux	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 22d2ff69d487a32a8b88f9c970120fc2daa08a77 git
CNA	Linux	Linux	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 2b83d91e9ae92fe1258d7040a32430bbb3bb7d6e git
CNA	Linux	Linux	affected 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2 3a7b6d75c8f85b09dea893f64a85a356bcf6c3fe git
CNA	Linux	Linux	unaffected 6.12.83 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.24 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.14 6.19.* semver
CNA	Linux	Linux	unaffected 7.0.1 7.0.* semver

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/22d2ff69d487a32a8b88f9c970120fc2daa08a77	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/b5a02d37eb0739f462fa12df449ab9b3480c783b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/3a7b6d75c8f85b09dea893f64a85a356bcf6c3fe	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/2b83d91e9ae92fe1258d7040a32430bbb3bb7d6e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE

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There are currently no legacy QID mappings associated with this CVE.

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