



mm: filemap: fix nr_pages calculation overflow in filemap_map_pages()

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Summary

CVE	CVE-2026-31648
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-24 15:16:44 UTC
Updated	2026-04-24 17:51:40 UTC

Description In the Linux kernel, the following vulnerability has been resolved: mm: filemap: fix nr_pages calculation overflow in filemap_

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected fe601b70eac6cd266e8d7d55030e90a73ed0e339 88591194df736a508dd5461ab2167a61e98caac1 g
CNA	Linux	Linux	affected 743a2753a02e805347969f6f89f38b736850d808 633ab680c405ac390e6bec5b74aaf46197c837b6 git
CNA	Linux	Linux	affected 743a2753a02e805347969f6f89f38b736850d808 576543bedd616254032d4ebe54a90076f9e31740 gi
CNA	Linux	Linux	affected 743a2753a02e805347969f6f89f38b736850d808 9316a820b9aae07d44469d6485376dad824c5b3f git
CNA	Linux	Linux	affected 743a2753a02e805347969f6f89f38b736850d808 f58df566524ebcdfa394329c64f47e3c9257516e git
CNA	Linux	Linux	affected 84ede15f27c06b111d1398dfa80b6fac4b135e34 git
CNA	Linux	Linux	affected 6.12
CNA	Linux	Linux	unaffected 6.12 semver
CNA	Linux	Linux	unaffected 6.6.135 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.82 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.23 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.13 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/88591194df736a508dd5461ab2167a61e98caac1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/f58df566524ebcdfa394329c64f47e3c9257516e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/9316a820b9aae07d44469d6485376dad824c5b3f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	

git.kernel.org/stable/c/576543bedd616254032d4e54a90076f9e31740	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/633ab680c405ac390e6bec5b74aaf46197c837b6	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.

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

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