



mm/pagewalk: fix race between concurrent split and refault

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

Summary

CVE	CVE-2026-31456
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-22 14:16:40 UTC
Updated	2026-04-23 16:17:41 UTC

Description In the Linux kernel, the following vulnerability has been resolved: mm/pagewalk: fix race between concurrent split and refault

Risk And Classification

EPSS: 0.000170000 probability, percentile 0.040460000 (date 2026-04-23)

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected f9e54c3a2f5b79ecc57c7bc7d0d3521e461a2101 38ec58670a0c5fc1edabdecccd857e586b7b3f318 git
CNA	Linux	Linux	affected f9e54c3a2f5b79ecc57c7bc7d0d3521e461a2101 9bbbebd94dd5be25ec8c899d46ef01b33d5d22c0 git
CNA	Linux	Linux	affected f9e54c3a2f5b79ecc57c7bc7d0d3521e461a2101 3b89863c3fa482912911cd65a12a3aeef662c250 git
CNA	Linux	Linux	affected 6.12
CNA	Linux	Linux	unaffected 6.12 semver
CNA	Linux	Linux	unaffected 6.18.21 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.11 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/3b89863c3fa482912911cd65a12a3aeef662c250	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/9bbbebd94dd5be25ec8c899d46ef01b33d5d22c0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/38ec58670a0c5fc1edabdecccd857e586b7b3f318	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical

No vendor comments have been submitted for this CVE.

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

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](#)

CVE.report and Source URL Uptime Status [status.cve.report](#)