



ext4: avoid use-after-free in ext4_ext_insert_extent()

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2024-49883
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-10-21 18:15:11 UTC
Updated	2026-05-12 19:08:55 UTC

Description In the Linux kernel, the following vulnerability has been resolved: ext4: avoid use-after-free in ext4_ext_insert_extent() As C

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	Debian	Debian Linux	11.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 e17ebe4fdd7665c93ae9459ba40fcdfb76769ac1 git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 975ca06f3fd154c5f7742083e7b2574c57d1c0c3 git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 5e811066c5ab709b070659197dccb80ab650ddd git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 9df59009dfc6d9fc1bd9ddf6c5ab6e56d6ed887a git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 51db04892a993cace63415be99848970a0f15ef2 git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 8162ee5d94b8c0351be0a9321be134872a7654a1 c
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 beb7b66fb489041c50c6473100b383f7a51648fc git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 bfed082ce4b1ce6349b05c09a0fa4f3da35ecb1b git
CNA	Linux	Linux	affected 10809df84a4d868db61af621bae3658494165279 a164f3a432aae62ca23d03e6d926b122ee5b860d g
CNA	Linux	Linux	affected 3.18
CNA	Linux	Linux	unaffected 3.18 semver
CNA	Linux	Linux	unaffected 4.19.323 4.19.* semver
CNA	Linux	Linux	unaffected 5.4.285 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.227 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.168 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.113 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.55 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.14 6.10.* semver
CNA	Linux	Linux	unaffected 6.11.3 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix

References

Reference	Source	Link	Tag
git.kernel.org/stable/c/a164f3a432aae62ca23d03e6d926b122ee5b860d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/e17ebe4fdd7665c93ae9459ba40fcdfb76769ac1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/bfed082ce4b1ce6349b05c09a0fa4f3da35ecb1b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org	Mai
git.kernel.org/stable/c/975ca06f3fd154c5f7742083e7b2574c57d1c0c3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/5e811066c5ab709b070659197dccb80ab650ddd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat

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lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org	Mai
git.kernel.org/stable/c/8162ee5d94b8c0351be0a9321be134872a7654a1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
CVE Program record	CVE.ORG	www.cve.org	can
NVD vulnerability detail	NVD	nvd.nist.gov	can

No vendor comments have been submitted for this CVE.

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

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