



btrfs: fix use-after-free when attempting to join an aborted transaction

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

Summary

CVE	CVE-2025-21753
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-02-27 03:15:15 UTC
Updated	2026-05-12 13:16:34 UTC

Description In the Linux kernel, the following vulnerability has been resolved: btrfs: fix use-after-free when attempting to join an aborted

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from ADP

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

Problem Types: CWE-416 | CWE-416 CWE-416 Use After Free

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

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	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee cee55
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee c7a53
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee 7e954
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee 6ba46
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee 8f5cfr
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee 86d71
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee ce628
CNA	Linux	Linux	affected 871383be592ba7e819d27556591e315a0df38cee e2f09
CNA	Linux	Linux	affected 3.4
CNA	Linux	Linux	unaffected 3.4 semver
CNA	Linux	Linux	unaffected 5.4.291 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.235 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.179 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.129 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.78 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.14 6.12.* semver
CNA	Linux	Linux	unaffected 6.13.3 6.13.* semver
CNA	Linux	Linux	unaffected 6.14 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/05/msg00030.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/c7a53757717e68af94a56929d57f1e6daff220ec	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/6ba4663ada6c6315af23a6669d386146634808ec	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

git.kernel.org/stable/c/e2f0943cf37305dbdeaf9846e3c941451bcdef63	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/7e954b6bb95d67ae4d1a20e9cfd83c182cf929bc	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/86d71a026a7f63da905db9add845c8ee88801eca	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/8f5cff471039caa2b088060c074c2bf2081bcb01	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/cee55b1219568c80bf0d5dc55066e4a859baf753	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00028.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/ce628048390dad80320d5a1f74de6ca1e1be91e7	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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