



btrfs: adjust subpage bit start based on sectorsize

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

Summary

CVE	CVE-2025-37931
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-05-20 16:15:29 UTC
Updated	2026-05-12 13:16:41 UTC

Description In the Linux kernel, the following vulnerability has been resolved: btrfs: adjust subpage bit start based on sectorsize When r

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from nvd@nist.gov

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

Problem Types: NVD-CWE-noinfo

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/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 c4aec299fa8f73f0fd10bc556f936f0da50e3e83 5111b148360f50cac9abbae8fca44cc0ac4b
CNA	Linux	Linux	affected c4aec299fa8f73f0fd10bc556f936f0da50e3e83 977849e8acd2466ac3cb49e04a3ecc73837
CNA	Linux	Linux	affected c4aec299fa8f73f0fd10bc556f936f0da50e3e83 b80db09b614cb7edec5bada1bc7c7b0eb3b
CNA	Linux	Linux	affected c4aec299fa8f73f0fd10bc556f936f0da50e3e83 396f4002710030ea1cfd4c789ebaf0a6969a
CNA	Linux	Linux	affected c4aec299fa8f73f0fd10bc556f936f0da50e3e83 e08e49d986f82c30f42ad0ed43ebbede1e1e
CNA	Linux	Linux	affected 5.13
CNA	Linux	Linux	unaffected 5.13 semver
CNA	Linux	Linux	unaffected 6.1.151 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.105 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.28 6.12.* semver
CNA	Linux	Linux	unaffected 6.14.6 6.14.* semver
CNA	Linux	Linux	unaffected 6.15 * original_commit_for_fix
ADP	Siemens	SIMATIC CN 4100	affected V5.0 custom

References

Reference	Source	Link
git.kernel.org/stable/c/b80db09b614cb7edec5bada1bc7c7b0eb3b453ea	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/5111b148360f50cac9abbae8fca44cc0ac4bf9bf	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/e08e49d986f82c30f42ad0ed43ebbede1e1e3739	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/396f4002710030ea1cfd4c789ebaf0a6969ab34f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-032379.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.com
git.kernel.org/stable/c/977849e8acd2466ac3cb49e04a3ecc73837f6b90	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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