ALSA: firewire-lib: Avoid division by zero in apply_constraint_to_size()

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2024-50205
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-11-08 06:15:16 UTC
Updated	2026-05-12 13:16:19 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: ALSA: firewire-lib: Avoid division by zero in apply_constrai

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: CWE-369 | CWE-369 CWE-369 Divide By Zero

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	ADP	DECLARED	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

ntegrity

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 826b5de90c0bca4e9de6231da9e1730480621588 d575
CNA	Linux	Linux	affected 826b5de90c0bca4e9de6231da9e1730480621588 5e43
CNA	Linux	Linux	affected 826b5de90c0bca4e9de6231da9e1730480621588 7d4e
CNA	Linux	Linux	affected 826b5de90c0bca4e9de6231da9e1730480621588 d282
CNA	Linux	Linux	affected 826b5de90c0bca4e9de6231da9e1730480621588 4bdc
CNA	Linux	Linux	affected 826b5de90c0bca4e9de6231da9e1730480621588 3452
CNA	Linux	Linux	affected 826b5de90c0bca4e9de6231da9e1730480621588 72caf
CNA	Linux	Linux	affected 4.20
CNA	Linux	Linux	unaffected 4.20 semver
CNA	Linux	Linux	unaffected 5.4.285 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.229 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.170 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.115 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.59 6.6.* semver
CNA	Linux	Linux	unaffected 6.11.6 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/d2826873db70a6719cdd9212a6739f3e6234cfc4	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/d575414361630b8b0523912532fcd7c79e43468c	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/72cafe63b35d06b5cfbaf807e90ae657907858da	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.cc
git.kernel.org/stable/c/4bdc21506f12b2d432b1f2667e5ff4c75eee58e3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/5e431f85c87bbffd93a9830d5a576586f9855291	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/3452d39c4704aa12504e4190298c721fb01083c3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/7d4eb9e22131ec154e638cbd56629195c9bcbe9a	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.