drivers: media: dvb-frontends/rtl2832: fix an out-of-bounds write error

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

Summary

CVE	CVE-2024-47698
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-10-21 12:15:06 UTC
Updated	2026-05-05 15:35:05 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: drivers: media: dvb-frontends/rtl2832: fix an out-of-bounds

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-787

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 4b01e01a81b6629878344430531ced347cc2ed5b 7065c05c6d58b9b9a98127aa14e9a5ec68173918
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b 49b33c38d202d3327dcfd058e27f541dcc308b92 gi
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b 6ae3b9aee42616ee93c4585174f40c767828006d g
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b a879b6cdd48134a3d58949ea4f075c75fa2d7d71 g
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b 15bea004e939d938a6771dfcf2a26cc899ffd20a git
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b 527ab3eb3b0b4a6ee00e183c1de6a730239e2835
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b 66dbe0df6eccc7ee53a2c35016ce81e13b3ff447 git
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b bedd42e07988dbdd124b23e758ffef7a681b9c60 gi
CNA	Linux	Linux	affected 4b01e01a81b6629878344430531ced347cc2ed5b 8ae06f360cfaca2b88b98ca89144548b3186aab1 gi
CNA	Linux	Linux	affected 4.0
CNA	Linux	Linux	unaffected 4.0 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 6.6.54 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.13 6.10.* semver
CNA	Linux	Linux	unaffected 6.11.2 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix

References

Reference	Source	Link	Tag
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org	Mai
git.kernel.org/stable/c/bedd42e07988dbdd124b23e758ffef7a681b9c60	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/527ab3eb3b0b4a6ee00e183c1de6a730239e2835	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/8ae06f360cfaca2b88b98ca89144548b3186aab1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/15bea004e939d938a6771dfcf2a26cc899ffd20a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat

git.kernel.org/stable/c/6ae3b9aee42616ee93c4585174f40c767828006d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/7065c05c6d58b9b9a98127aa14e9a5ec68173918	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org	Mai
git.kernel.org/stable/c/a879b6cdd48134a3d58949ea4f075c75fa2d7d71	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/66dbe0df6eccc7ee53a2c35016ce81e13b3ff447	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Pat
git.kernel.org/stable/c/49b33c38d202d3327dcfd058e27f541dcc308b92	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.