drivers: media: dvb-frontends/rtl2830: fix an out-of-bounds write error

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

Summary

CVE	CVE-2024-47697
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-10-21 12:15:06 UTC
Updated	2026-05-12 12:17:13 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: drivers: media: dvb-frontends/rtl2830: 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 df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
CNA	Linux	Linux	affected df70ddad81b47c57bcccffc805fbd75f2f1b2dc
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
ADP	Siemens	RUGGEDCOM RST2428P	unaffected * custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	unaffected * custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	unaffected * custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/58f31be7dfbc0c84a6497ad51924949cf64b86a2	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
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cor
git.kernel.org/stable/c/3dba83d3c81de1368d15a39f22df7b53e306052f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/7fd6aae7e53b94f4035b1bfce28b8dfa0d0ae470	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/badbd736e6649c4e6d7b4ff7e2b9857acfa9ea94	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/46d7ebfe6a75a454a5fa28604f0ef1491f9d8d14	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/883f794c6e498ae24680aead55c16f66b06cfc30	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/042b101d7bf70616c4967c286ffa6fcca65babfb	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-355557.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cor
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/86d920d2600c3a48efc2775c1666c1017eec6956	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/8ffbe7d07b8e76193b151107878ddc1ccc94deb5	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.