



wifi: cfg80211: handle 2x996 RU allocation in cfg80211_calculate_bitrate_he()

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

Summary

CVE	CVE-2024-43879
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-08-21 01:15:12 UTC
Updated	2026-05-12 12:17:08 UTC

Description In the Linux kernel, the following vulnerability has been resolved: wifi: cfg80211: handle 2x996 RU allocation in cfg80211_calculate_bitrate_he()

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 c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected c4cbaf7973a794839af080f13748335976cf3f
CNA	Linux	Linux	affected 4.19
CNA	Linux	Linux	unaffected 4.19 semver
CNA	Linux	Linux	unaffected 4.19.320 4.19.* semver
CNA	Linux	Linux	unaffected 5.4.282 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.224 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.165 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.103 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.44 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.3 6.10.* semver
CNA	Linux	Linux	unaffected 6.11 * 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/16ad67e73309db0c20cc2a651992bd01c05e6b27	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.com
git.kernel.org/stable/c/b289ebb0516526cb4abae081b7ec29fd4fa1209d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/19eaf4f2f5a981f55a265242ada2bf92b0c742dd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org

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git.kernel.org/stable/c/576c64622649f3ec07e97bac8fec8b8a2ef4d086	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/67b5f1054197e4f5553047759c15c1d67d4c8142	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2024/10/msg00003.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/45d20a1c54be4f3173862c7b950d4468447814c9	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.com
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/2e201b3d162c6c49417c438ffb30b58c9f85769f	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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