wifi: mac80211: Fix deadlock in ieee80211_sta_ps_deliver_wakeup()

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

Summary

CVE	CVE-2024-40912
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-07-12 13:15:14 UTC
Updated	2026-05-12 12:16:59 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: wifi: mac80211: Fix deadlock in ieee80211_sta_ps_delive

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-667

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 1d147bfa64293b2723c4fec50922168658e61
CNA	Linux	Linux	affected 1d147bfa64293b2723c4fec50922168658e61
CNA	Linux	Linux	affected 1d147bfa64293b2723c4fec50922168658e61
CNA	Linux	Linux	affected 1d147bfa64293b2723c4fec50922168658e61
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CNA	Linux	Linux	affected 1d147bfa64293b2723c4fec50922168658e61
CNA	Linux	Linux	affected 1d147bfa64293b2723c4fec50922168658e61
CNA	Linux	Linux	affected ad64b463d919a18be70b281efb135231169c
CNA	Linux	Linux	affected 46a5a5493360f995b834eb3b828eb59da460
CNA	Linux	Linux	affected a7ee1a84a81555b19ec3d02f104bfd70cf0b6
CNA	Linux	Linux	affected 58d4310586466840dab77e56e53f4508853a
CNA	Linux	Linux	affected fcb6d3c79824d350893edfa7b50d6ba1f670c
CNA	Linux	Linux	affected 3.14
CNA	Linux	Linux	unaffected 3.14 semver
CNA	Linux	Linux	unaffected 4.19.317 4.19.* semver
CNA	Linux	Linux	unaffected 5.4.279 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.221 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.162 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.95 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.35 6.6.* semver
CNA	Linux	Linux	unaffected 6.9.6 6.9.* semver
CNA	Linux	Linux	unaffected 6.10 * 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/9c49b58b9a2bed707e7638576e54c4bccd97b9eb	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/44c06bbde6443de206b30f513100b5670b23fc5e	af854a3a-2127-422b-91ae-364da2661108	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/d90bdff79f8e40adf889b5408bfcf521528b169f	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-355557.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cc
git.kernel.org/stable/c/47d176755d5c0baf284eff039560f8c1ba0ea485	af854a3a-2127-422b-91ae-364da2661108	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/28ba44d680a30c51cf485a2f5a3b680e66ed3932	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/456bbb8a31e425177dc0e8d4f98728a560c20e81	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/e51637e0c66a6f72d134d9f95daa47ea62b43c7e	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/e7e916d693dcb5a297f40312600a82475f2e63bc	af854a3a-2127-422b-91ae-364da2661108	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.