bonding: fix xfrm real_dev null pointer dereference

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

Summary

CVE	CVE-2024-44989
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-09-04 20:15:08 UTC
Updated	2026-05-12 12:17:09 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: bonding: fix xfrm real_dev null pointer dereference We sho

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-476

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 18cb261afd7bf50134e5ccacc5ec91ea16efa(
CNA	Linux	Linux	affected 18cb261afd7bf50134e5ccacc5ec91ea16efa(
CNA	Linux	Linux	affected 18cb261afd7bf50134e5ccacc5ec91ea16efa(
CNA	Linux	Linux	affected 18cb261afd7bf50134e5ccacc5ec91ea16efa(
CNA	Linux	Linux	affected 18cb261afd7bf50134e5ccacc5ec91ea16efa(
CNA	Linux	Linux	affected 18cb261afd7bf50134e5ccacc5ec91ea16efa(
CNA	Linux	Linux	affected 5.9
CNA	Linux	Linux	unaffected 5.9 semver
CNA	Linux	Linux	unaffected 5.10.225 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.166 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.107 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.48 6.6.* semver
CNA	Linux	Linux	unaffected 6.10.7 6.10.* semver
CNA	Linux	Linux	unaffected 6.11 * original_commit_for_fix
ADP	Siemens	RUGGEDCOM RST2428P	affected V3.2 custom
ADP	Siemens	RUGGEDCOM RST2428P	affected V3.1 custom
ADP	Siemens	SCALANCE XC-300/XR-300/XC-400/XR-500WG/XR-500 Family	affected V3.2 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	affected V3.2 custom
ADP	Siemens	SCALANCE XCM-/XRM-/XCH-/XRH-300 Family	affected V3.1 custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/21816b696c172c19d53a30d45ee005cce246ed21	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/7fa9243391ad2afe798ef4ea2e2851947b95754f	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
cert-portal.siemens.com/productcert/html/ssa-613116.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.cc
lists.debian.org/debian-lts-announce/2024/10/msg00003.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/4582d4ff413a07d4ed8a4823c652dc5207760548	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.cc
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/2f72c6a66bcd7e0187ec085237fee5db27145294	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/f8cde9805981c50d0c029063dc7d82821806fc44	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/89fc1dca79db5c3e7a2d589ecbf8a3661c65f436	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.