netfilter: ipset: Fix suspicious rcu_dereference_protected()

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

Summary

CVE	CVE-2024-40993
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-07-12 13:15:20 UTC
Updated	2026-05-12 12:17:01 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: netfilter: ipset: Fix suspicious rcu_dereference_protected()

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

EPSS: 0.000270000 probability, percentile 0.077810000 (date 2026-05-12)

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	6.1.95	All	All	All
Operating System	Linux	Linux Kernel	6.10	rc4	All	All
Operating System	Linux	Linux Kernel	6.6.35	All	All	All
Operating System	Linux	Linux Kernel	6.9.6	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected c0761d1f1ce1d5b85b5e82bbb714df12de1aa8c3 3799d0
CNA	Linux	Linux	affected 93b53c202b51a69e42ca57f5a183f7e008e19f83 72d961
CNA	Linux	Linux	affected 0f1bb77c6d837c9513943bc7c08f04c5cc5c6568 523bed
CNA	Linux	Linux	affected 390b353d1a1da3e9c6c0fd14fe650d69063c95d6 788d58
CNA	Linux	Linux	affected 2ba35b37f780c6410bb4bba9c3072596d8576702 94dd4
CNA	Linux	Linux	affected 90ae20d47de602198eb69e6cd7a3db3420abfc08 3fc09e
CNA	Linux	Linux	affected 4e7aaa6b82d63e8ddcbfb56b4fd3d014ca586f10 8ecd06
CNA	Linux	Linux	affected 6.1.95 6.1.96 semver
CNA	Linux	Linux	affected 6.6.35 6.6.36 semver
CNA	Linux	Linux	affected 6.9.6 6.9.7 semver
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/94dd411c18d7fff9e411555d5c662d29416501e4	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/8ecd06277a7664f4ef018abae3abd3451d64e7a6	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/72d9611968867cc4c5509e7708b1507d692b797a	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/3fc09e1ca854bc234e007a56e0f7431f5e2defb5	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/788d585e62f487bc4536d454937f737b70d39a33	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/3799d02ae4208af08e81310770d8754863a246a1	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
git.kernel.org/stable/c/523bed6489e089dd8040e72453fb79da47b144c2	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
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.

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**