



bpf: Fix DEVMAP_HASH overflow check on 32-bit arches

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

Summary

CVE	CVE-2024-26885
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-04-17 11:15:10 UTC
Updated	2026-05-12 12:16:24 UTC

Description In the Linux kernel, the following vulnerability has been resolved: bpf: Fix DEVMAP_HASH overflow check on 32-bit arches

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-119

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	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 1f5e35
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 4b81a9
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 c82650
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 edf799
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 250051
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 22079b
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 e89386
CNA	Linux	Linux	affected 6f9d451ab1a33728adb72d7ff66a7b374d665176 281d46
CNA	Linux	Linux	affected 5.4
CNA	Linux	Linux	unaffected 5.4 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 5.15.153 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.83 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.23 6.6.* semver
CNA	Linux	Linux	unaffected 6.7.11 6.7.* semver
CNA	Linux	Linux	unaffected 6.8.2 6.8.* semver
CNA	Linux	Linux	unaffected 6.9 * original_commit_for_fix
ADP	Linux	Linux Kernel	affected 5.4
ADP	Linux	Linux Kernel	affected 6f9d451ab1a3
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/e89386f62ce9a9ab9a94835a9890883c23d9d52c	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
lists.debian.org/debian-lts-announce/2024/06/msg00017.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.co
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git.kernel.org/stable/c/1f5e352b9088211fa5eb4e1639cd365f4f7d2f65	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/22079b3a423382335f47d9ed32114e6c9fe88d7c	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.

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