bpf: reject direct access to nullable PTR_TO_BUF pointers

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

Summary

CVE	CVE-2026-43333
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-08 14:16:43 UTC
Updated	2026-05-15 20:07:34 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: bpf: reject direct access to nullable PTR_TO_BUF pointer

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: 0.000240000 probability, percentile 0.070360000 (date 2026-05-12)

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 b453361384c2db1c703dacb806d5fd36aec4ceca 10bc4a4dcded509c5d5c67d497900c3922c604cd gi
CNA	Linux	Linux	affected 20b2aff4bc15bda809f994761d5719827d66c0b4 21a10c06ffae24cb01fd174a7ab7736001d2ea56 git
CNA	Linux	Linux	affected 20b2aff4bc15bda809f994761d5719827d66c0b4 8755066f7bd0f4ac46a29d1708c7b20894539252 git
CNA	Linux	Linux	affected 20b2aff4bc15bda809f994761d5719827d66c0b4 70abd9d118da2f56beb4ec22e3a29becae373535 git
CNA	Linux	Linux	affected 20b2aff4bc15bda809f994761d5719827d66c0b4 63276547debc4d8a73eefb2c5273b2a905c961b0 git
CNA	Linux	Linux	affected 20b2aff4bc15bda809f994761d5719827d66c0b4 4f6c99dc0420f1a3d671c1b8ab8a7ac84d9cba09 git
CNA	Linux	Linux	affected 20b2aff4bc15bda809f994761d5719827d66c0b4 b0db1accbc7395657c2b79db59fa9fae0d6656f3 git
CNA	Linux	Linux	affected e982070f8970bb62e69ed7c9cafff886ed200349 git
CNA	Linux	Linux	affected 5.17
CNA	Linux	Linux	unaffected 5.17 semver
CNA	Linux	Linux	unaffected 5.15.203 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.168 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.134 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.81 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.22 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.12 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/4f6c99dc0420f1a3d671c1b8ab8a7ac84d9cba09	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/21a10c06ffae24cb01fd174a7ab7736001d2ea56	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/10bc4a4dcded509c5d5c67d497900c3922c604cd	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/70abd9d118da2f56beb4ec22e3a29becae373535	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/63276547debc4d8a73eefb2c5273b2a905c961b0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/8755066f7bd0f4ac46a29d1708c7b20894539252	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/b0db1accbc7395657c2b79db59fa9fae0d6656f3	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonic

NVD vulnerability detail	NVD	nvd.nist.gov	canonic

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**