



bpf: Fix undefined behavior in interpreter sdiv/smod for INT_MIN

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

Summary

CVE	CVE-2026-31525
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-22 14:16:52 UTC
Updated	2026-04-22 14:16:52 UTC

Description In the Linux kernel, the following vulnerability has been resolved: bpf: Fix undefined behavior in interpreter sdiv/smod for IN

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected ec0e2da95f72d4a46050a4d994e4fe471474fd80 694ea55f1b1c74f9942d91ec366ae9e822422e42 git
CNA	Linux	Linux	affected ec0e2da95f72d4a46050a4d994e4fe471474fd80 9ab1227765c446942f290c83382f0b19887c55cf git
CNA	Linux	Linux	affected ec0e2da95f72d4a46050a4d994e4fe471474fd80 f14ca604c0ff274fba19f73f1f0485c0047c1396 git
CNA	Linux	Linux	affected ec0e2da95f72d4a46050a4d994e4fe471474fd80 0d5d8c3ce45c734aaf3c51cbef59155a6746157d git
CNA	Linux	Linux	affected ec0e2da95f72d4a46050a4d994e4fe471474fd80 c77b30bd1dcb61f66c640ff7d2757816210c7cb0 git
CNA	Linux	Linux	affected 6.6
CNA	Linux	Linux	unaffected 6.6 semver
CNA	Linux	Linux	unaffected 6.6.131 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.80 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.21 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.11 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/f14ca604c0ff274fba19f73f1f0485c0047c1396	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/0d5d8c3ce45c734aaf3c51cbef59155a6746157d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/c77b30bd1dcb61f66c640ff7d2757816210c7cb0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/694ea55f1b1c74f9942d91ec366ae9e822422e42	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	

git.kernel.org/stable/c/9ab1227765c446942f290c83382f0b19887c55cf	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org canonical
NVD vulnerability detail	NVD	nvd.nist.gov canonical

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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