



bpf, arm64: Force 8-byte alignment for JIT buffer to prevent atomic tearing

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

Summary

CVE	CVE-2026-23383
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-25 11:16:38 UTC
Updated	2026-04-02 15:16:32 UTC

Description In the Linux kernel, the following vulnerability has been resolved: bpf, arm64: Force 8-byte alignment for JIT buffer to prevent atomic tearing

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

CVSS: 3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

EPSS: 0.000130000 probability, percentile 0.022870000 (date 2026-04-04)

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected b2ad54e1533e91449cb2a371e034942bd7882b58 80ad264da02cc4aee718e799c2b79f0f834673dc g
CNA	Linux	Linux	affected b2ad54e1533e91449cb2a371e034942bd7882b58 519b1ad91de5bf7a496f2b858e9212db6328e1de c
CNA	Linux	Linux	affected b2ad54e1533e91449cb2a371e034942bd7882b58 66959ed481a474eaae278c7f6860a2a9b188a4d6 c
CNA	Linux	Linux	affected b2ad54e1533e91449cb2a371e034942bd7882b58 ef06fd16d48704eac868441d98d4ef083d8f3d07 git
CNA	Linux	Linux	affected 6.0
CNA	Linux	Linux	unaffected 6.0 semver
CNA	Linux	Linux	unaffected 6.12.77 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.17 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.7 6.19.* semver
CNA	Linux	Linux	unaffected 7.0-rc2 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/ef06fd16d48704eac868441d98d4ef083d8f3d07	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/80ad264da02cc4aee718e799c2b79f0f834673dc	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/66959ed481a474eaae278c7f6860a2a9b188a4d6	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/519b1ad91de5bf7a496f2b858e9212db6328e1de	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
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.

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