



perf/x86: Fix potential bad container_of in intel_pmu_hw_config

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

Summary

CVE	CVE-2026-31782
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:41 UTC
Updated	2026-05-03 07:16:21 UTC

Description In the Linux kernel, the following vulnerability has been resolved: perf/x86: Fix potential bad container_of in intel_pmu_hw_c

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: 0.000170000 probability, percentile 0.040880000 (date 2026-05-02)

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 ec980e4facef8110f6fce27e5b6344660117f01f e435a30ca6fe14c9611b1fc731c98a6d28410247 git
CNA	Linux	Linux	affected ec980e4facef8110f6fce27e5b6344660117f01f bfee04838f636d064bc92075c65c95f739003804 git
CNA	Linux	Linux	affected ec980e4facef8110f6fce27e5b6344660117f01f dbde07f06226438cd2cf1179745fa1bec5d8914a git
CNA	Linux	Linux	affected 6.16
CNA	Linux	Linux	unaffected 6.16 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/dbde07f06226438cd2cf1179745fa1bec5d8914a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/bfee04838f636d064bc92075c65c95f739003804	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	
git.kernel.org/stable/c/e435a30ca6fe14c9611b1fc731c98a6d28410247	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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