



LoongArch: KVM: Make kvm_get_vcpu_by_cpuid() more robust

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

Summary

CVE	CVE-2026-31558
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-24 15:16:30 UTC
Updated	2026-04-27 20:13:55 UTC

Description In the Linux kernel, the following vulnerability has been resolved: LoongArch: KVM: Make kvm_get_vcpu_by_cpuid() more r

Risk And Classification

Primary CVSS: v3.1 8.8 HIGH from 416baaa9-dc9f-4396-8d5f-8c081fb06d67

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

EPSS: 0.000180000 probability, percentile 0.046080000 (date 2026-04-27)

Problem Types: CWE-125

Version	Source	Type	Score	Severity	Vector
3.1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	Secondary	8.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	DECLARED	8.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Changed

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/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 73516e9da512adc63ba3859fbd82a21f6257348f 596c3f8069c4792f22fce8c4452f44410032d910 git
CNA	Linux	Linux	affected 73516e9da512adc63ba3859fbd82a21f6257348f 878cf6acb4fd8ab4126cf9d369a5bb0e23123418 git
CNA	Linux	Linux	affected 73516e9da512adc63ba3859fbd82a21f6257348f 47857b05bd50db01e211a1b6f513d57901cd3e6b git
CNA	Linux	Linux	affected 73516e9da512adc63ba3859fbd82a21f6257348f 2db06c15d8c7a0ccb6108524e16cd9163753f354 git
CNA	Linux	Linux	affected 6.10
CNA	Linux	Linux	unaffected 6.10 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/47857b05bd50db01e211a1b6f513d57901cd3e6b	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/2db06c15d8c7a0ccb6108524e16cd9163753f354	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/878cf6acb4fd8ab4126cf9d369a5bb0e23123418	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/596c3f8069c4792f22fce8c4452f44410032d910	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.

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