CVE-2025-54505

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Summary

CVE	CVE-2025-54505
State	PUBLISHED
Assigner	AMD
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-27 16:16:28 UTC
Updated	2026-04-29 04:16:38 UTC
Description	A transient execution vulnerability within AMD CPUs may allow a local user-privileged attacker to leak data via the floating p

Risk And Classification

Primary CVSS: v4.0 2 LOW from psirt@amd.com

CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000110000 probability, percentile 0.014480000 (date 2026-05-05)

Problem Types: CWE-1420 CWE-1420 Exposure of Sensitive Information during Transient Execution

Version	Source	Type	Score	Severity	Vector
4.0	psirt@amd.com	Secondary	2	LOW	CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/C...
4.0	CNA	CVSS	2	LOW	CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

Low

Integrity

None

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	AMD	AMD EPYC 7001 Series Processors	unaffected OS update	Not specified
CNA	AMD	AMD EPYC Embedded 3000 Series Processors	unaffected OS Update	Not specified

References

Reference	Source	Link	Ta
xenbits.xen.org/xsa/advisory-488.html	af854a3a-2127-422b-91ae-364da2661108	xenbits.xen.org	
www.amd.com/en/resources/product-security/bulletin/AMD-SB-7053.html	psirt@amd.com	www.amd.com	
CVE Program record	CVE.ORG	www.cve.org	ca
NVD vulnerability detail	NVD	nvd.nist.gov	ca

No vendor comments have been submitted for this CVE.

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