



# CVE-2025-52532

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

## Summary

<b>CVE</b>	CVE-2025-52532
<b>State</b>	PUBLISHED
<b>Assigner</b>	AMD
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-15 05:16:32 UTC
<b>Updated</b>	2026-05-15 05:16:32 UTC
<b>Description</b>	A race condition in the MxGPU-Virtualization driver's ioctl path caused by concurrent unsynchronized access to the global v

## Risk And Classification

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

**CVSS:**4.0/AV:L/AC:H/AT:P/PR:L/UI:N/VC:N/VI:N/VA:L/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/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

**Problem Types:** CWE-367 | CWE-367 CWE-367 Time-of-check Time-of-use (TOCTOU) Race Condition

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

## CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

High

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

None

Integrity

None

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:H/AT:P/PR:L/UI:N/VC:N/VI:N/VA:L/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/MSX/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 Radeon PRO V620	unaffected Contact your AMD Customer Engineering representative	Not specified
CNA	AMD	AMD Radeon PRO V710	unaffected Contact your AMD Customer Engineering representative	Not specified
CNA	AMD	AMD Instinct MI250	unaffected GIM Driver 8.4	Not specified
CNA	AMD	AMD Instinct MI308X	unaffected GIM Driver 8.4	Not specified
CNA	AMD	AMD Instinct MI300A	unaffected GIM Driver 8.4	Not specified
CNA	AMD	AMD Instinct MI300X	unaffected GIM Driver 8.4	Not specified
CNA	AMD	AMD Instinct MI325X	unaffected GIM Driver 8.4	Not specified
CNA	AMD	AMD Instinct MI210	unaffected GIM Driver 8.4	Not specified

### References

Reference	Source	Link	Tags
www.amd.com/en/resources/product-security/bulletin/AMD-SB-6027.html	psirt@amd.com	<a href="http://www.amd.com">www.amd.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

### Vendor Comments And Credit

Discovery Credit

**CNA:** Reported through AMD Bug Bounty Program (en)

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

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