



# CVE-2023-20598

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

## Summary

<b>CVE</b>	CVE-2023-20598
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@amd.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-10-17 14:15:00 UTC
<b>Updated</b>	2023-10-28 03:31:00 UTC
<b>Description</b>	An improper privilege management in the AMD Radeon™ Graphics driver may allow an authenticated attacker to craft an I/O

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W5500</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W5700</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W6300</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W6400</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W6600</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W6800</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W7500</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W7600</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W7800</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Pro W7900</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5300</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5300m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5300 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5500</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5500m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5500 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5600</a>	-	All	All	All

Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5600m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5600 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5700</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5700m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 5700 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6300m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6400</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6450m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6500m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6500 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6550m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6550s</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6600</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6600m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6600s</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6600 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6650m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6650m Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6650 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6700</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6700m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6700s</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6700 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6750 Gre 10gb</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6750 Gre 12gb</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6750 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6800</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6800s</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6800 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6900 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 6950 Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 7600</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 7600m</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 7600m Xt</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Radeon Rx 7600s</a>	-	All	All	All

Hardware	Amd	Radeon Rx 7700s	-	All	All	All
Hardware	Amd	Radeon Rx 7700 Xt	-	All	All	All
Hardware	Amd	Radeon Rx 7800 Xt	-	All	All	All
Hardware	Amd	Radeon Rx 7900m	-	All	All	All
Hardware	Amd	Radeon Rx 7900 Gre	-	All	All	All
Hardware	Amd	Radeon Rx 7900 Xt	-	All	All	All
Hardware	Amd	Radeon Rx 7900 Xtx	-	All	All	All
Application	Amd	Radeon Software	All	All	All	All
Application	Amd	Radeon Software	All	All	All	All
Hardware	Amd	Ryzen 3 7320u	-	All	All	All
Hardware	Amd	Ryzen 3 7335u	-	All	All	All
Hardware	Amd	Ryzen 3 7440u	-	All	All	All
Hardware	Amd	Ryzen 5 6600h	-	All	All	All
Hardware	Amd	Ryzen 5 6600hs	-	All	All	All
Hardware	Amd	Ryzen 5 6600u	-	All	All	All
Hardware	Amd	Ryzen 5 7500f	-	All	All	All
Hardware	Amd	Ryzen 5 7520u	-	All	All	All
Hardware	Amd	Ryzen 5 7535hs	-	All	All	All
Hardware	Amd	Ryzen 5 7535u	-	All	All	All
Hardware	Amd	Ryzen 5 7540u	-	All	All	All
Hardware	Amd	Ryzen 5 7600	-	All	All	All
Hardware	Amd	Ryzen 5 7600x	-	All	All	All
Hardware	Amd	Ryzen 5 7640h	-	All	All	All
Hardware	Amd	Ryzen 5 7640u	-	All	All	All
Hardware	Amd	Ryzen 5 7645hx	-	All	All	All
Hardware	Amd	Ryzen 5 Pro 7640hs	-	All	All	All
Hardware	Amd	Ryzen 5 Pro 7645	-	All	All	All
Hardware	Amd	Ryzen 7 6800h	-	All	All	All
Hardware	Amd	Ryzen 7 6800hs	-	All	All	All
Hardware	Amd	Ryzen 7 6800u	-	All	All	All
Hardware	Amd	Ryzen 7 7700	-	All	All	All
Hardware	Amd	Ryzen 7 7700x	-	All	All	All
Hardware	Amd	Ryzen 7 7735hs	-	All	All	All
Hardware	Amd	Ryzen 7 7735u	-	All	All	All
Hardware	Amd	Ryzen 7 7736u	-	All	All	All

Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 7745hx</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 7800x3d</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 7840h</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 7840u</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 Pro 7745</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 7 Pro 7840hs</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 6900hs</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 6900hx</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 6980hs</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 6980hx</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7845hx</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7900</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7900x</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7900x3d</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7940h</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7945hx</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7945hx3d</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7950x</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 7950x3d</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 Pro 7940hs</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 9 Pro 7945</a>	-	All	All	All

## References

Reference	Source	Link	Tags
<a href="http://www.amd.com/en/corporate/product-security/bulletin/AMD-SB-6009">www.amd.com/en/corporate/product-security/bulletin/AMD-SB-6009</a>	MISC	<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

No vendor comments have been submitted for this CVE.

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

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**CVE.report and Source URL Uptime Status [status.cve.report](#)**