



CVE-2021-29256

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

Summary

CVE	CVE-2021-29256
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-05-24 18:15:00 UTC
Updated	2022-03-22 15:00:00 UTC
Description	. The Arm Mali GPU kernel driver allows an unprivileged user to achieve access to freed memory, leading to information disclosure.

Risk And Classification

EPSS: 0.004970000 probability, percentile 0.657430000 (date 2026-04-01)

CISA KEV: Listed on 2023-07-07; due 2023-07-28; ransomware use Unknown

Problem Types: CWE-416

CISA Known Exploited Vulnerability

Vendor	Arm
Product	Mali Graphics Processing Unit (GPU)
Name	Arm Mali GPU Kernel Driver Use-After-Free Vulnerability
Required Action	Apply updates per vendor instructions or discontinue use of the product if updates are unavailable.
Notes	https://developer.arm.com/Arm%20Security%20Center/Mali%20GPU%20Driver%20Vulnerabilities ; https://nvd.nist.gov/vuln/detail/CVE-2021-29256

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Arm	Bifrost	All	All	All	All
Application	Arm	Midgard	All	All	All	All
Application	Arm	Midguard	All	All	All	All
Application	Arm	Valhall	All	All	All	All

References

Reference	Source	Link	Tags
Arm Security Updates Mali GPU Driver Vulnerabilities	Arm Developer	CONFIRM developer.arm.com	

ARM Security Updates Mail GPU Driver vulnerabilities – ARM Developer	CONFIRM	developer.arm.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis
CISA Known Exploited Vulnerabilities catalog	CISA	www.cisa.gov	kev

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[610501](#) Google Android August 2023 Security Patch Missing for Samsung

[610504](#) Google Android Devices July 2023 Security Patch Missing

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