



# CVE-2022-22706

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2022-22706
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-03-03 15:15:00 UTC
<b>Updated</b>	2023-08-08 14:21:00 UTC
<b>Description</b>	Arm Mali GPU Kernel Driver allows a non-privileged user to achieve write access to read-only memory pages. This affects I

## Risk And Classification

**EPSS:** 0.000930000 probability, percentile 0.261420000 (date 2026-04-01)

**CISA KEV:** Listed on 2023-03-30; due 2023-04-20; ransomware use Unknown

**Problem Types:** CWE-119

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Arm
<b>Product</b>	Mali Graphics Processing Unit (GPU)
<b>Name</b>	Arm Mali GPU Kernel Driver Unspecified Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://developer.arm.com/Arm%20Security%20Center/Mali%20GPU%20Driver%20Vulnerabilities">https://developer.arm.com/Arm%20Security%20Center/Mali%20GPU%20Driver%20Vulnerabilities</a> ; <a href="https://nvd.nist.gov/vuln/detail/CVE-2022-22706">https://nvd.nist.gov/vuln/detail/CVE-2022-22706</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Arm</a>	<a href="#">Bifrost</a>	All	All	All	All
Application	<a href="#">Arm</a>	<a href="#">Midgard</a>	All	All	All	All
Application	<a href="#">Arm</a>	<a href="#">Valhall</a>	All	All	All	All

## References

Reference	Source	Link	Tags
Arm Security Center	MISC	<a href="https://developer.arm.com">developer.arm.com</a>	
Arm Security Updates   Mali GPU Driver Vulnerabilities	Arm Developer	<a href="https://developer.arm.com">developer.arm.com</a>	

ARM Security Updates   Mail GPU Driver vulnerabilities – ARM Developer	MISC	<a href="https://developer.arm.com">developer.arm.com</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="https://www.cisa.gov">www.cisa.gov</a>	kev

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[610485](#) Google Android May 2023 Security Patch Missing for Samsung

[610494](#) Google Android July 2023 Security Patch Missing for Samsung

[610503](#) Google Android Devices June 2023 Security Patch Missing

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