



CVE-2021-28664

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

Summary

| | |
|------------------------|---|
| CVE | CVE-2021-28664 |
| State | PUBLIC |
| Assigner | cve@mitre.org |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2021-05-10 15:15:00 UTC |
| Updated | 2023-12-13 13:51:00 UTC |
| Description | The Arm Mali GPU kernel driver allows privilege escalation or a denial of service (memory corruption) because an unprivileg |

Risk And Classification

EPSS: 0.002050000 probability, percentile 0.426090000 (date 2026-04-01)

CISA KEV: Listed on 2021-11-03; due 2021-11-17; ransomware use Unknown

Problem Types: CWE-787

CISA Known Exploited Vulnerability

| | |
|------------------------|---|
| Vendor | Arm |
| Product | Mali Graphics Processing Unit (GPU) |
| Name | Arm Mali Graphics Processing Unit (GPU) Unspecified Vulnerability |
| Required Action | Apply updates per vendor instructions. |
| Notes | https://nvd.nist.gov/vuln/detail/CVE-2021-28664 |

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|-------------|---------------------|--|---------|--------|---------|----------|
| Application | Arm | Bifrost Gpu Kernel Driver | All | All | All | All |
| Application | Arm | Midgard Gpu Kernel Driver | All | All | All | All |
| Application | Arm | Midguard Gpu Kernel Driver | All | All | All | All |
| Application | Arm | Valhall Gpu Kernel Driver | All | All | All | All |

References

| Reference | Source | Link | Tags |
|---------------------|--------|---|------|
| Arm Security Center | MISC | developer.arm.com | |

| | | | |
|---|---------|---|---------------|
| developer.arm.com/Arm%20Security%20Center/Mali%20GPU%20Driver%20Vulnerabilities | MISC | developer.arm.com | |
| Arm Security Updates Mali 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, ar |
| CISA Known Exploited Vulnerabilities catalog | CISA | www.cisa.gov | kev |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[610338](#) Google Android Devices May 2021 Security Patch Missing

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

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](#)