



net: ethernet: mtk_ppe: avoid NULL deref when gmac0 is disabled

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Summary

CVE	CVE-2026-31736
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:36 UTC
Updated	2026-05-07 16:53:14 UTC

Description In the Linux kernel, the following vulnerability has been resolved: net: ethernet: mtk_ppe: avoid NULL deref when gmac0 is

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

EPSS: 0.000180000 probability, percentile 0.046430000 (date 2026-05-05)

Problem Types: CWE-476

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 73cfd947dbdb25ef9863ac49c4596a7d53ad4025 0b832aad33e6f160fda310f0306a6483d85e9d6e git
CNA	Linux	Linux	affected 73cfd947dbdb25ef9863ac49c4596a7d53ad4025 5dff799c677152dde963c3917bacd9127b03e145 git
CNA	Linux	Linux	affected 73cfd947dbdb25ef9863ac49c4596a7d53ad4025 7b2380f0a0e374010c1a4a13203511b9dee5b166 git
CNA	Linux	Linux	affected 73cfd947dbdb25ef9863ac49c4596a7d53ad4025 976ff48c2ac6e6b25b01428c9d7997bcd0fb2949 git
CNA	Linux	Linux	affected 6.11
CNA	Linux	Linux	unaffected 6.11 semver
CNA	Linux	Linux	unaffected 6.12.81 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.22 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.12 6.19.* semver
CNA	Linux	Linux	unaffected 7.0 * original_commit_for_fix

References

Reference	Source	Link	Tags
git.kernel.org/stable/c/5dff799c677152dde963c3917bacd9127b03e145	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/0b832aad33e6f160fda310f0306a6483d85e9d6e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/976ff48c2ac6e6b25b01428c9d7997bcd0fb2949	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/7b2380f0a0e374010c1a4a13203511b9dee5b166	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE.

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

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