reset: gpio: fix double free in reset_add_gpio_aux_device() error path

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2026-31745
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:37 UTC
Updated	2026-05-07 19:31:28 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: reset: gpio: fix double free in reset_add_gpio_aux_device(

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

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

EPSS: 0.000150000 probability, percentile 0.029500000 (date 2026-05-12)

Problem Types: CWE-415

CVSS v3.1 Breakdown

Attack Vector
Local

Attack Complexity
Low

Privileges Required
Low

User Interaction
None

Scope
Unchanged

Confidentiality
High

Integrity
High

Availability
High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/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
Operating System	Linux	Linux Kernel	7.0	rc1	All	All
Operating System	Linux	Linux Kernel	7.0	rc2	All	All
Operating System	Linux	Linux Kernel	7.0	rc3	All	All
Operating System	Linux	Linux Kernel	7.0	rc4	All	All
Operating System	Linux	Linux Kernel	7.0	rc5	All	All
Operating System	Linux	Linux Kernel	7.0	rc6	All	All
Operating System	Linux	Linux Kernel	7.0	rc7	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 5fc4e4cf7a2268b5f73700fd1e8d02159f2417d8 1de465753220deb41569cf2add87bbb0673731db git
CNA	Linux	Linux	affected 5fc4e4cf7a2268b5f73700fd1e8d02159f2417d8 fbffb8c7c7bb4d38e9f65e0bee446685011de5d8 git
CNA	Linux	Linux	affected 6.19
CNA	Linux	Linux	unaffected 6.19 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/1de465753220deb41569cf2add87bbb0673731db	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/fbffb8c7c7bb4d38e9f65e0bee446685011de5d8	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.

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report