



usb: gadget: f_ecm: Fix net_device lifecycle with device_move

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

Summary

CVE	CVE-2026-31725
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-01 15:16:34 UTC
Updated	2026-05-07 16:58:44 UTC

Description In the Linux kernel, the following vulnerability has been resolved: usb: gadget: f_ecm: Fix net_device lifecycle with device_n

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: NVD-CWE-noinfo

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 fee562a6450b7806f1fbbe1469a67b5395b5c10a 5eaeac22240d965d24c3bd0c54ded64efd8f6ca1 git
CNA	Linux	Linux	affected fee562a6450b7806f1fbbe1469a67b5395b5c10a 4e34f3f491fd731809b57ddb5329ec763bd39553 git
CNA	Linux	Linux	affected fee562a6450b7806f1fbbe1469a67b5395b5c10a 9b1e5589593293c78a2ab8bb118a41e2271a2af8 git
CNA	Linux	Linux	affected fee562a6450b7806f1fbbe1469a67b5395b5c10a b2cc4fae67a51f60d81d6af2678696accb07c656 git
CNA	Linux	Linux	affected 3.11
CNA	Linux	Linux	unaffected 3.11 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/4e34f3f491fd731809b57ddb5329ec763bd39553	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/5eaeac22240d965d24c3bd0c54ded64efd8f6ca1	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/9b1e5589593293c78a2ab8bb118a41e2271a2af8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org	Patch
git.kernel.org/stable/c/b2cc4fae67a51f60d81d6af2678696accb07c656	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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