



usb: typec: altmode should keep reference to parent

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

Summary

CVE	CVE-2024-50150
State	PUBLISHED
Assigner	Linux
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-11-07 10:15:06 UTC
Updated	2026-05-12 13:16:18 UTC
Description	In the Linux kernel, the following vulnerability has been resolved: usb: typec: altmode should keep reference to parent The

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

Problem Types: CWE-416 | CWE-416 CWE-416 Use After Free

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	ADP	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 2b0b33
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 2c15c4
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 6af43ec
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 874744
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 bee1b6
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 1ded6b
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 68a7c7
CNA	Linux	Linux	affected 8a37d87d72f0c69f837229c04d2fcd7117ea57e7 befab3e
CNA	Linux	Linux	affected 4.19
CNA	Linux	Linux	unaffected 4.19 semver
CNA	Linux	Linux	unaffected 4.19.323 4.19.* semver
CNA	Linux	Linux	unaffected 5.4.285 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.229 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.170 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.115 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.59 6.6.* semver
CNA	Linux	Linux	unaffected 6.11.6 6.11.* semver
CNA	Linux	Linux	unaffected 6.12 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

References

Reference	Source	Link
git.kernel.org/stable/c/6af43ec3bf40f8b428d9134ffa7a291aec60da8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/2b0b33e8a58388fa9078f0fbe9af1900e6b08879	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/03/msg00002.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org

cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-portal.siemens.co
git.kernel.org/stable/c/2c15c4133d00f5da632fce60ed013fc31aa9aa58	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/befab3a278c59db0cc88c8799638064f6d3fd6f8	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/87474406056891e4fdea0794e1f632b21b3dfa27	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
lists.debian.org/debian-lts-announce/2025/01/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org
git.kernel.org/stable/c/1ded6b12499e6dee9b0e1ceac633be36538f6fc2	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/68a7c7fe322546be1464174c8d85874b8161deda	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
git.kernel.org/stable/c/bee1b68cb8bcee4fd3a8bde3a4886e0b1375dc4d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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