



# usb: gadget: renesas\_usb3: validate endpoint index in standard request handlers

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

## Summary

<b>CVE</b>	CVE-2026-31615
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-24 15:16:40 UTC
<b>Updated</b>	2026-04-28 17:29:26 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: usb: gadget: renesas\_usb3: validate endpoint index in sta

## 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 0.048130000 (date 2026-04-27)

**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 746bfe63bba37ad55956b7377c9af494e7e28929 1b2bfedccc4fb8c9572e1ea464f905424c91de2a git
CNA	Linux	Linux	affected 746bfe63bba37ad55956b7377c9af494e7e28929 adb8014599df0818d3d93f1f74e06cd0bdec08d git
CNA	Linux	Linux	affected 746bfe63bba37ad55956b7377c9af494e7e28929 44216e3dd4455b798899b50eedb0ec3831dff8e0 git
CNA	Linux	Linux	affected 746bfe63bba37ad55956b7377c9af494e7e28929 37f430b2240655e6b0199a92aa1057e4d621be51 g
CNA	Linux	Linux	affected 746bfe63bba37ad55956b7377c9af494e7e28929 e3d42598f2995cdc07b7779874e7c5f8a1b773db git
CNA	Linux	Linux	affected 746bfe63bba37ad55956b7377c9af494e7e28929 f880aac8a57ebd92abfa685d45424b2998ac1059 git
CNA	Linux	Linux	affected 4.5
CNA	Linux	Linux	unaffected 4.5 semver
CNA	Linux	Linux	unaffected 6.6.136 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.83 6.12.* semver
CNA	Linux	Linux	unaffected 6.18.24 6.18.* semver
CNA	Linux	Linux	unaffected 6.19.14 6.19.* semver
CNA	Linux	Linux	unaffected 7.0.1 7.0.* semver
CNA	Linux	Linux	unaffected 7.1-rc1 * original_commit_for_fix

### References

Reference	Source	Link	Tags
git.kernel.org/stable/c/adb8014599df0818d3d93f1f74e06cd0bdec08d	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/e3d42598f2995cdc07b7779874e7c5f8a1b773db	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/37f430b2240655e6b0199a92aa1057e4d621be51	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/1b2bfedccc4fb8c9572e1ea464f905424c91de2a	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/f880aac8a57ebd92abfa685d45424b2998ac1059	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
git.kernel.org/stable/c/44216e3dd4455b798899b50eedb0ec3831dff8e0	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>	Patch
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonic
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	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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