# ALSA: ctxfi: Check the error for index mapping

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2026-31777 |
| **State** | PUBLISHED |
| **Assigner** | Linux |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2026-05-01 15:16:41 UTC |
| **Updated** | 2026-05-07 02:27:02 UTC |
| **Description** | In the Linux kernel, the following vulnerability has been resolved: ALSA: ctxfi: Check the error for index mapping The ctxfi d |

## 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 0.049770000 (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 |
| 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 |

## Vendor Declared Affected Products

| Source | Vendor | Product | Version |
|---|---|---|---|
| CNA | Linux | Linux | affected 8cc72361481f00253f1e468ade5795427386d593 d4d3b8cbb70a2de247cbfe99bdb232aef9ed59bc git |
| CNA | Linux | Linux | affected 8cc72361481f00253f1e468ade5795427386d593 277c6960d4ddb94d16198afd70c92c3d4593d131 gi |
| CNA | Linux | Linux | affected 2.6.31 |
| CNA | Linux | Linux | unaffected 2.6.31 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/d4d3b8cbb70a2de247cbfe99bdb232aef9ed59bc | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org | Patch |
| git.kernel.org/stable/c/277c6960d4ddb94d16198afd70c92c3d4593d131 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org | Patch |
| CVE Program record | CVE.ORG | www.cve.org | canonica |
| NVD vulnerability detail | NVD | nvd.nist.gov | canonica |

No vendor comments have been submitted for this CVE.

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

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**Free CVE JSON API** cve.report/api

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