# hwmon: (powerz) Fix use-after-free on USB disconnect

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2026-31582 |
| **State** | PUBLISHED |
| **Assigner** | Linux |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2026-04-24 15:16:32 UTC |
| **Updated** | 2026-04-27 20:26:58 UTC |
| **Description** | In the Linux kernel, the following vulnerability has been resolved: hwmon: (powerz) Fix use-after-free on USB disconnect Af |

## 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:** 0.000180000 probability, percentile 0.048130000 (date 2026-04-27)

**Problem Types:** CWE-416

## 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 4381a36abdf1c5c0323c1c51f869dc000115eb20 c78e1d4e48f23792adaa7c94251e22b0d9700a39 git |
| CNA | Linux | Linux | affected 4381a36abdf1c5c0323c1c51f869dc000115eb20 9e1b798257f96d2e2a2639830eb71add545ce749 git |
| CNA | Linux | Linux | affected 4381a36abdf1c5c0323c1c51f869dc000115eb20 7003ae4810ca83f0ddca85b768500e313c4b998c git |
| CNA | Linux | Linux | affected 4381a36abdf1c5c0323c1c51f869dc000115eb20 61f2aa23b0ce8d7aa5071ed25a7471e246a4fdd4 git |
| CNA | Linux | Linux | affected 4381a36abdf1c5c0323c1c51f869dc000115eb20 08e57f5e1a9067d5fbf33993aa7f51d60b3d13a4 git |
| CNA | Linux | Linux | affected 6.7 |
| CNA | Linux | Linux | unaffected 6.7 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/08e57f5e1a9067d5fbf33993aa7f51d60b3d13a4 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org | Patch |
| git.kernel.org/stable/c/7003ae4810ca83f0ddca85b768500e313c4b998c | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org | Patch |
| git.kernel.org/stable/c/61f2aa23b0ce8d7aa5071ed25a7471e246a4fdd4 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org | Patch |
| git.kernel.org/stable/c/9e1b798257f96d2e2a2639830eb71add545ce749 | 416baaa9-dc9f-4396-8d5f-8c081fb06d67 | git.kernel.org | Patch |
| git.kernel.org/stable/c/c78e1d4e48f23792adaa7c94251e22b0d9700a39 | 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**