



# Glib: glib: denial of service via integer overflow in g\_buffered\_input\_stream\_peek()

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2026-0988  |
| <b>State</b>           | PUBLISHED  |
| <b>Assigner</b>        | redhat   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2026-01-21 12:15:55 UTC  |
| <b>Updated</b>         | 2026-04-24 21:16:17 UTC  |
| <b>Description</b>     | A flaw was found in glib. Missing validation of offset and count parameters in the g_buffered_input_stream_peek() function |

## Risk And Classification

**Primary CVSS:** v3.1 3.7 LOW from secalert@redhat.com

**CVSS:** 3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L

**EPSS:** 0.000680000 probability, percentile 0.208410000 (date 2026-04-24)

**Problem Types:** CWE-190 | CWE-190 Integer Overflow or Wraparound

| Version | Source              | Type      | Score | Severity | Vector                                       |
|---------|---------------------|-----------|-------|----------|--|
| 3.1     | secalert@redhat.com | Secondary | 3.7   | LOW      | CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L |
| 3.1     | CNA                 | CVSS      | 3.7   | LOW      | CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L |

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L

### Vendor Declared Affected Products

| Source | Vendor  | Product                     | Version                          | Platforms     |
|--------|---------|-----------------------------|----------------------------------|---------------|
| CNA    | Red Hat | Red Hat Hardened Images     | unaffected 2.88.0-1.1.hum1 * rpm | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 10 | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 6  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 7  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 8  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 8  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 8  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 9  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 9  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 9  | Not specified                    | Not specified |
| CNA    | Red Hat | Red Hat Enterprise Linux 9  | Not specified                    | Not specified |

### References

| Reference   | Source              | Link  | Tags                |
|---|---------------------|---|---------------------|
| <a href="https://gitlab.gnome.org/GNOME/glib/-/issues/3851">gitlab.gnome.org/GNOME/glib/-/issues/3851</a>       | secalert@redhat.com | <a href="https://gitlab.gnome.org">gitlab.gnome.org</a>       |                     |
| <a href="https://bugzilla.redhat.com/show_bug.cgi">bugzilla.redhat.com/show_bug.cgi</a>                         | secalert@redhat.com | <a href="https://bugzilla.redhat.com">bugzilla.redhat.com</a> |                     |
| <a href="https://access.redhat.com/security/cve/CVE-2026-0988">access.redhat.com/security/cve/CVE-2026-0988</a> | secalert@redhat.com | <a href="https://access.redhat.com">access.redhat.com</a>     |                     |
| <a href="https://access.redhat.com/errata/RHSA-2026:7461">access.redhat.com/errata/RHSA-2026:7461</a>           | secalert@redhat.com | <a href="https://access.redhat.com">access.redhat.com</a>     |                     |
| CVE Program record  | CVE.ORG             | <a href="https://www.cve.org">www.cve.org</a>                 | canonical           |
| NVD vulnerability detail  | NVD                 | <a href="https://nvd.nist.gov">nvd.nist.gov</a>               | canonical, analysis |

### Vendor Comments And Credit

Discovery Credit

**CNA:** Red Hat would like to thank Codean Labs for reporting this issue. (en)

#### Additional Advisory Data

| Source | Time                     | Event                |
|--------|--------------------------|----------------------|
| CNA    | 2026-01-15T11:22:30.846Z | Reported to Red Hat. |
| CNA    | 2026-01-15T00:00:00.000Z | Made public.         |

#### Workarounds

**CNA:** Mitigation for this issue is either not available or the currently available options do not meet the Red Hat Product Security criteria comprising ease of use and deployment, applicability to widespread installation base, or stability.

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

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