



# Bug 2419093 (CVE-2025-14087) - CVE-2025-14087 glib: GLib: Buffer underflow in GVariant parser leads to heap corruption

**Keywords:** Security

**Reported:** 2025-12-05 08:44 UTC by OSIDB Bzimport

**Status:** NEW

**Modified:** 2026-03-10 11:52 UTC ([History](#))

**Alias:** CVE-2025-14087

**CC List:** 6 users ([show](#))

**Product:** Security Response

**Fixed In Version:**

**Component:** vulnerability

**Clone Of:**

**Environment:**

**Version:** unspecified

**Last Closed:**

**Embargoed:**

**Hardware:** All

**OS:** Linux

**Priority:** medium

**Severity:** medium

**Target Milestone:** ---

**Assignee:** Product Security DevOps Team

**QA Contact:**

**Docs Contact:**

**URL:**

**Whiteboard:**

- Depends On:**
- 2419097
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**Blocks:**

**TreeView+** [depends on](#) / [blocked](#)

**Attachments** ([Terms of Use](#))

OSIDB Bzimport	2025-12-05 08:44:36 UTC	Description

A buffer-underflow vulnerability exists in GLib's GVariant parser, specifically within `bytestring_parse()` and `string_parse()`. The parser uses signed 32-bit integers (`gint`) as loop indices (`i` and `j`). When extremely large strings are parsed, these counters overflow into negative values, causing the parser to write to memory before the start of the allocated buffer (`str[j++]`). This results in a classic out-of-bounds write condition. Because GVariant parsing is often performed on attacker-influenced data, a remote attacker can trigger heap corruption, causing a crash or potentially achieving code execution. This flaw has been confirmed by maintainers and patched upstream.

Imigso 2026-02-11 09:26:01 UTC

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The current state per RHEL's advisory for [CVE-2025-14087](#) is Fix Deferred. Is there an ETA for when this will be patched, particularly as the CVE has been rated by NVD as Critical.

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